



## SAR EVALUATION REPORT

**Applicant Name:**  
Samsung Electronics Co., Ltd.  
129, Samsung-ro, Maetan dong,  
Yeongtong-gu, Suwon-si  
Gyeonggi-do, 16677, Korea

**Date of Testing:**  
04/08/21 – 06/03/21  
**Test Site/Location:**  
PCTEST, Columbia, MD, USA  
**Document Serial No.:**  
1M2104070032-01.A3L (Rev1)

**FCC ID:** A3LSMF711U

**APPLICANT:** SAMSUNG ELECTRONICS CO., LTD.

**DUT Type:** Portable Handset  
**Application Type:** Certification  
**FCC Rule Part(s):** CFR §2.1093  
**Model:** SM-F711U  
**Additional Models:** SM-F711U1

| Equipment Class                            | Band & Mode        | Tx Frequency          | SAR            |                |                   |                   |
|--------------------------------------------|--------------------|-----------------------|----------------|----------------|-------------------|-------------------|
|                                            |                    |                       | 1g Head (W/kg) | 1g Body (W/kg) | 1g Hotspot (W/kg) | 1g Phablet (W/kg) |
| PCE                                        | Cell, CDMA/EVDO    | 824.70 - 848.31 MHz   | 0.24           | 0.47           | 1.08              | N/A               |
| PCE                                        | PCS CDMA/EVDO      | 1851.25 - 1908.75 MHz | 0.10           | 1.02           | 1.04              | 1.27              |
| PCE                                        | GSM/GPRS/EDGE 850  | 824.20 - 848.80 MHz   | 0.13           | 0.34           | 0.95              | N/A               |
| PCE                                        | GSM/GPRS/EDGE 1900 | 1850.20 - 1909.80 MHz | < 0.1          | 0.33           | 1.13              | 1.91              |
| PCE                                        | UMTS 850           | 824.40 - 848.60 MHz   | 0.21           | 0.42           | 1.03              | N/A               |
| PCE                                        | UMTS 1755          | 1712.4 - 1752.6 MHz   | < 0.1          | 0.56           | 1.16              | 2.41              |
| PCE                                        | UMTS 1900          | 1852.4 - 1907.6 MHz   | < 0.1          | 0.46           | 1.01              | 2.93              |
| PCE                                        | LTE Band 71        | 665.5 - 695.5 MHz     | 0.22           | 0.37           | 0.65              | N/A               |
| PCE                                        | LTE Band 12        | 699.7 - 715.3 MHz     | 0.26           | 0.33           | 0.74              | N/A               |
| PCE                                        | LTE Band 13        | 776.5 - 784.5 MHz     | 0.29           | 0.28           | 0.73              | N/A               |
| PCE                                        | LTE Band 14        | 790.5 - 795.5 MHz     | 0.28           | 0.28           | 0.86              | N/A               |
| PCE                                        | LTE Band 28 (Cell) | 814.7 - 848.3 MHz     | 0.31           | 0.45           | 0.74              | N/A               |
| PCE                                        | LTE Band 5 (Cell)  | 824.7 - 848.3 MHz     | 0.27           | 0.44           | 0.95              | N/A               |
| PCE                                        | LTE Band 66 (AWS)  | 1710.7 - 1775.3 MHz   | 0.15           | 1.08           | 1.16              | 3.37              |
| PCE                                        | LTE Band 4 (AWS)   | 1710.7 - 1754.3 MHz   | N/A            | N/A            | N/A               | N/A               |
| PCE                                        | LTE Band 25 (PCS)  | 1850.7 - 1914.3 MHz   | 0.12           | 1.02           | 1.16              | 2.98              |
| PCE                                        | LTE Band 2 (PCS)   | 1850.7 - 1909.3 MHz   | N/A            | N/A            | N/A               | N/A               |
| PCE                                        | LTE Band 30        | 2307.5 - 2312.5 MHz   | < 0.1          | 0.47           | 0.98              | 1.81              |
| PCE                                        | LTE Band 7         | 2502.5 - 2567.5 MHz   | < 0.1          | 0.57           | 1.11              | 1.90              |
| CBS                                        | LTE Band 40        | 2552.5 - 2607.5 MHz   | 0.81           | 0.19           | 0.90              | N/A               |
| PCE                                        | LTE Band 41        | 2498.5 - 2567.5 MHz   | 0.12           | 0.45           | 1.11              | 2.60              |
| PCE                                        | LTE Band 38        | 2672.5 - 2617.5 MHz   | N/A            | N/A            | N/A               | N/A               |
| PCE                                        | NR Band n71        | 665.5 - 695.5 MHz     | 0.28           | 0.37           | 0.68              | N/A               |
| PCE                                        | NR Band n12        | 701.5 - 713.5 MHz     | 0.34           | 0.43           | 0.75              | N/A               |
| PCE                                        | NR Band n5 (Cell)  | 826.5 - 846.5 MHz     | 0.32           | 0.50           | 0.99              | N/A               |
| PCE                                        | NR Band n68 (AWS)  | 1712.5 - 1777.5 MHz   | 1.02           | 0.86           | 1.24              | 2.98              |
| PCE                                        | NR Band n28 (PCS)  | 1852.5 - 1912.5 MHz   | 0.98           | 0.72           | 0.84              | 2.97              |
| PCE                                        | NR Band n2 (PCS)   | 1852.5 - 1907.5 MHz   | N/A            | N/A            | N/A               | N/A               |
| PCE                                        | NR Band n30        | 2307.5 - 2312.5 MHz   | < 0.1          | 0.58           | 1.20              | 1.82              |
| PCE                                        | NR Band n41        | 2506.02 - 2679.99 MHz | 0.86           | 0.23           | 1.10              | 2.24              |
| PCE                                        | NR Band n77 CoD    | 3480.02 - 3540 MHz    | 0.66           | 0.21           | 0.80              | 2.75              |
| PCE                                        | NR Band n77        | 3710.01 - 3869.99 MHz | 0.75           | 0.26           | 0.89              | 2.74              |
| DTIS                                       | 2.4 GHz WLAN       | 2412 - 2482 MHz       | 0.51           | < 0.1          | 0.93              | N/A               |
| NI                                         | U-NB-1             | 5180 - 5240 MHz       | N/A            | N/A            | N/A               | N/A               |
| NI                                         | U-NB-2A            | 5260 - 5320 MHz       | 0.15           | < 0.1          | N/A               | 0.76              |
| NI                                         | U-NB-2C            | 5500 - 5720 MHz       | 0.10           | 0.13           | N/A               | 0.36              |
| NI                                         | U-NB-3             | 6745 - 6825 MHz       | 0.11           | 0.12           | 0.23              | N/A               |
| DSS/DTIS                                   | Bluetooth          | 2402 - 2480 MHz       | 0.21           | < 0.1          | 0.29              | N/A               |
| Simultaneous SAR per KDB 690783 D01v91r03: |                    |                       | 1.59           | 1.48           | 1.59              | 3.97              |

Note: This revised Test Report supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement procedures specified in Section 1.9 of this report; for North American frequency bands only.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them. Test results reported herein relate only to the item(s) tested.

  
Randy Ortanez  
President



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|                                                    |                                                                                     |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| <b>FCC ID:</b> A3LSMF711U                          |  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                           | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 1 of 337                          |

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## 1.1 Device Overview

| Band & Mode        | Operating Modes | Tx Frequency          |
|--------------------|-----------------|-----------------------|
| Cell. CDMA/EVDO    | Voice/Data      | 824.70 - 848.31 MHz   |
| PCS CDMA/EVDO      | Voice/Data      | 1851.25 - 1908.75 MHz |
| GSM/GPRS/EDGE 850  | Voice/Data      | 824.20 - 848.80 MHz   |
| GSM/GPRS/EDGE 1900 | Voice/Data      | 1850.20 - 1909.80 MHz |
| UMTS 850           | Voice/Data      | 826.40 - 846.60 MHz   |
| UMTS 1750          | Voice/Data      | 1712.4 - 1752.6 MHz   |
| UMTS 1900          | Voice/Data      | 1852.4 - 1907.6 MHz   |
| LTE Band 71        | Voice/Data      | 665.5 - 695.5 MHz     |
| LTE Band 12        | Voice/Data      | 699.7 - 715.3 MHz     |
| LTE Band 13        | Voice/Data      | 779.5 - 784.5 MHz     |
| LTE Band 14        | Voice/Data      | 790.5 - 795.5 MHz     |
| LTE Band 26 (Cell) | Voice/Data      | 814.7 - 848.3 MHz     |
| LTE Band 5 (Cell)  | Voice/Data      | 824.7 - 848.3 MHz     |
| LTE Band 66 (AWS)  | Voice/Data      | 1710.7 - 1779.3 MHz   |
| LTE Band 4 (AWS)   | Voice/Data      | 1710.7 - 1754.3 MHz   |
| LTE Band 25 (PCS)  | Voice/Data      | 1850.7 - 1914.3 MHz   |
| LTE Band 2 (PCS)   | Voice/Data      | 1850.7 - 1909.3 MHz   |
| LTE Band 30        | Voice/Data      | 2307.5 - 2312.5 MHz   |
| LTE Band 7         | Voice/Data      | 2502.5 - 2567.5 MHz   |
| LTE Band 48        | Voice/Data      | 3552.5 - 3697.5 MHz   |
| LTE Band 41        | Voice/Data      | 2498.5 - 2687.5 MHz   |
| LTE Band 38        | Voice/Data      | 2572.5 - 2617.5 MHz   |
| NR Band n71        | Data            | 665.5 - 695.5 MHz     |
| NR Band n12        | Data            | 701.5 - 713.5 MHz     |
| NR Band n5 (Cell)  | Data            | 826.5 - 846.5 MHz     |
| NR Band n66 (AWS)  | Data            | 1712.5 - 1777.5 MHz   |
| NR Band n25 (PCS)  | Data            | 1852.5 - 1912.5 MHz   |
| NR Band n2 (PCS)   | Data            | 1852.5 - 1907.5 MHz   |
| NR Band n30        | Data            | 2307.5 - 2312.5 MHz   |
| NR Band n41        | Data            | 2506.02 - 2679.99 MHz |
| NR Band n77 DoD    | Data            | 3460.02 - 3540 MHz    |
| NR Band n77        | Data            | 3710.01 - 3969.99 MHz |
| 2.4 GHz WLAN       | Voice/Data      | 2412 - 2462 MHz       |
| U-NII-1            | Voice/Data      | 5180 - 5240 MHz       |
| U-NII-2A           | Voice/Data      | 5260 - 5320 MHz       |
| U-NII-2C           | Voice/Data      | 5500 - 5720 MHz       |
| U-NII-3            | Voice/Data      | 5745 - 5825 MHz       |
| Bluetooth          | Data            | 2402 - 2480 MHz       |
| NR Band n260       | Data            | 37000 - 40000 MHz     |
| NR Band n261       | Data            | 27500 - 28350 MHz     |
| NFC                | Data            | 13.56 MHz             |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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## 1.2 Time-Averaging Algorithm for RF Exposure Compliance

This Device is enabled with the Qualcomm® Smart Transmit feature. This feature performs time averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time. Refer to Compliance Summary document for detailed description of Qualcomm® Smart Transmit feature (report SN could be found in Section 1.11 – Bibliography).

Note that WLAN operations are not enabled with Smart Transmit.

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of *SAR\_design\_target*, below the predefined time-averaged power limit (i.e.,  $P_{limit}$  for sub-6 radio), for each characterized technology and band (see RF Exposure Part 0 Test Report, report SN could be found in Section 1.11 - Bibliography).

Smart Transmit allows the device to transmit at higher power instantaneously, as high as  $P_{max}$ , when needed, but enforces power limiting to maintain time-averaged transmit power to  $P_{limit}$ . Below table shows  $P_{limit}$  EFS settings and maximum tune up output power  $P_{max}$  configured for this EUT for various transmit conditions (Device State Index DSI). Note that the device uncertainty for sub-6GHz WWAN is 1.0dB for this EUT.

| Exposure Scenario:     |   | Body-Worn | Phablet     | Phablet | Head | Hotspot     | Earjack | Maximum Tune-up Output Power* |
|------------------------|---|-----------|-------------|---------|------|-------------|---------|-------------------------------|
| Averaging Volume:      |   | 1g        | 10g         | 10g     | 1g   | 1g          | 10g     |                               |
| Spacing:               |   | 15 mm     | 8, 6, 11 mm | 0 mm    | 0 mm | 10 mm, 5 mm | 0 mm    |                               |
| DSI:                   |   | 0         | 0           | 1       | 2    | 3           | 4       |                               |
| Technology/Band        |   |           |             |         |      |             |         | Pmax                          |
| CDMA BC0               | A | 28.3      | 27.9        | 31.2    | 23.0 | 27.9        |         | 24.0                          |
| EVDO BC0               | A | 28.3      | 27.9        | 31.2    | 23.0 | 27.9        |         | 23.5                          |
| CDMA/EVDO BC1          | A | 23.9      | 21.0        | 34.1    | 18.0 | 21.0        |         | 23.0                          |
| GSM/GPRS/EDGE 850 MHz  | A | 28.5      | 27.9        | 32.6    | 21.8 | 27.9        |         | 24.3                          |
| GSM/GPRS/EDGE 1900 MHz | A | 25.6      | 18.8        | 34.0    | 18.8 | 18.8        |         | 21.3                          |
| UMTS B5                | A | 28.8      | 27.7        | 31.8    | 23.0 | 27.7        |         | 24.0                          |
| UMTS B4                | A | 26.5      | 20.0        | 34.3    | 18.0 | 20.0        |         | 23.0                          |
| UMTS B2                | A | 27.4      | 21.0        | 34.3    | 18.0 | 21.0        |         | 23.0                          |
| LTE FDD B71            | A | 29.7      | 28.1        | 32.0    | 23.0 | 28.1        |         | 24.5                          |
| LTE FDD B12            | A | 29.7      | 28.7        | 31.4    | 23.0 | 28.7        |         | 24.5                          |
| LTE FDD B13            | A | 30.6      | 28.0        | 30.9    | 23.0 | 28.0        |         | 24.5                          |
| LTE FDD B14            | A | 30.5      | 27.5        | 31.0    | 23.0 | 27.5        |         | 24.5                          |
| LTE FDD B26            | A | 28.8      | 26.8        | 30.4    | 23.0 | 26.8        |         | 24.3                          |
| LTE FDD B5             | A | 28.7      | 26.3        | 30.8    | 23.0 | 26.3        |         | 24.3                          |
| LTE FDD B66/4          | A | 25.2      | 20.4        | 33.0    | 18.0 | 20.4        |         | 24.0                          |
| LTE FDD B25/2          | A | 24.9      | 21.0        | 34.1    | 18.0 | 21.0        |         | 24.0                          |
| LTE FDD B30            | A | 27.3      | 21.0        | 37.7    | 17.5 | 21.0        |         | 23.0                          |
| LTE FDD B7             | B | 27.4      | 21.0        | 37.5    | 17.5 | 21.0        |         | 24.0                          |
| LTE TDD B48            | F | 19.5      | 19.5        | 15.0    | 15.0 | 19.5        |         | 21.5                          |
| LTE TDD B41/38         | B | 26.5      | 21.0        | 32.8    | 17.5 | 21.0        |         | 22.5                          |
| LTE TDD B41 (PC2)      | B | 26.5      | 21.0        | 32.8    | 17.5 | 21.0        |         | 23.4                          |
| NR FDD n71             | A | 28.6      | 28.6        | 31.0    | 23.0 | 28.6        |         | 24.5                          |
| NR FDD n12             | A | 29.1      | 27.8        | 30.2    | 23.0 | 27.8        |         | 24.5                          |
| NR FDD n5              | A | 28.3      | 28.3        | 30.2    | 23.0 | 28.3        |         | 24.3                          |
| NR FDD n66 Ant A       | A | 25.1      | 19.5        | 33.0    | 17.5 | 19.5        |         | 23.5                          |
| NR FDD n25/2 Ant A     | A | 25.4      | 21.0        | 34.2    | 17.5 | 21.0        |         | 23.5                          |
| NR FDD n30             | A | 25.9      | 21.0        | 34.3    | 17.5 | 21.0        |         | 22.5                          |
| NR TDD n41             | I | 21.0      | 21.0        | 15.0    | 19.0 | 21.0        |         | 24.3                          |
| NR TDD n41 (PC2)       | I | 21.0      | 21.0        | 15.0    | 19.0 | 21.0        |         | 26.8                          |
| NR TDD n77 Ant F       | F | 18.5      | 18.5        | 15.0    | 17.5 | 18.5        |         | 24.0                          |
| NR TDD n77 (PC2) Ant F | F | 18.5      | 18.5        | 15.0    | 17.5 | 18.5        |         | 25.5                          |
| NR FDD n66 Ant I       | I | 21.0      | 21.0        | 17.0    | 18.0 | 21.0        |         | 23.5                          |
| NR FDD n25/2 Ant I     | I | 24.2      | 24.2        | 18.0    | 18.0 | 24.2        |         | 23.5                          |
| NR TDD n77 Ant I       | I | 16.5      | 16.5        | 13.0    | 15.5 | 16.5        |         | 20.0                          |
| NR TDD n77 (PC2) Ant I | I | 16.5      | 16.5        | 13.0    | 15.5 | 16.5        |         | 21.5                          |
| NR TDD n77 Ant E       | E | 16.5      | 16.5        | 13.0    | 15.5 | 16.5        |         | 20.0                          |
| NR TDD n77 (PC2) Ant E | E | 16.5      | 16.5        | 13.0    | 15.5 | 16.5        |         | 21.5                          |
| NR TDD n77 Ant C       | C | 12.5      | 12.5        | 9.0     | 11.0 | 12.5        |         | 16.0                          |
| NR TDD n77 (PC2) Ant C | C | 12.5      | 12.5        | 9.0     | 11.0 | 12.5        |         | 17.5                          |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
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**Notes:**

\*Note all  $P_{limit}$  EFS and maximum tune up output power  $P_{max}$  levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (e.g. GSM and LTE TDD).

\*Maximum tune up output power  $P_{max}$  is used to configure EUT during RF tune up procedure. The maximum allowed output power is equal to maximum Tune up output power + 1dB device design uncertainty.

The maximum time-averaged output power (dBm) for any 2G/3G/4G/5G Sub6 WWAN technology, band, and DSI = minimum of " $P_{limit}$  EFS" and "Maximum tune up output power  $P_{max}$ " + 1dB device uncertainty. SAR values in this report were scaled to this maximum time-averaged output power to determine compliance per KDB Publication 447498 D01v06.

The purpose of this report (Part 1 test) is to demonstrate that the EUT meets FCC SAR limits when transmitting in static transmission scenario at maximum allowable time-averaged power levels.

**Measurement Condition: All conducted power and SAR measurements in this report (Part 1 test) were performed by setting *Reserve\_power\_margin* (Smart Transmit EFS entry) to 0dB.**

### 1.3 Power Reduction for SAR

This device used an independent fixed level power reduction mechanism for WLAN when 5G NR is active and also for WLAN/BT during all voice or VoIP held to ear scenarios. Per FCC Guidance, the held-to-ear exposure conditions were evaluated at reduced power according to the head SAR positions described in IEEE 1528-2013. Detailed descriptions of the power reduction mechanism are included in the operational description.

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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## 1.4 Nominal and Maximum Output Power Specifications

This device operates using the following maximum and nominal output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB Publication 447498 D01v06.

### 1.4.1 2G/3G/4G/5G Output Power

| CDMA BC0 (835 MHz)                 |                   |                                         |            |            |  |
|------------------------------------|-------------------|-----------------------------------------|------------|------------|--|
| Power Level                        |                   | Modulated Average Output Power (in dBm) |            |            |  |
|                                    |                   | 1x-RTT                                  | EVDO Rev 0 | EVDO Rev A |  |
| DSI = 0 (Body-Worn or Phablet Max) | Max allowed power | 25.0                                    | 24.5       | 24.5       |  |
|                                    | Nominal           | 24.0                                    | 23.5       | 23.5       |  |
| DSI = 1 (Phablet Reduced)          | Max allowed power | 25.0                                    | 24.5       | 24.5       |  |
|                                    | Nominal           | 24.0                                    | 23.5       | 23.5       |  |
| DSI = 2 (Head)                     | Max allowed power | 25.0                                    | 24.5       | 24.5       |  |
|                                    | Nominal           | 24.0                                    | 23.5       | 23.5       |  |
| DSI = 3 (Hotspot)                  | Max allowed power | 24.0                                    | 24.0       | 24.0       |  |
|                                    | Nominal           | 23.0                                    | 23.0       | 23.0       |  |
| DSI = 4 (Earjack)                  | Max allowed power | 25.0                                    | 24.5       | 24.5       |  |
|                                    | Nominal           | 24.0                                    | 23.5       | 23.5       |  |
| CDMA BC1 (1900 MHz)                |                   |                                         |            |            |  |
| Power Level                        |                   | Modulated Average Output Power (in dBm) |            |            |  |
|                                    |                   | 1x-RTT                                  | EVDO Rev 0 | EVDO Rev A |  |
| DSI = 0 (Body-Worn or Phablet Max) | Max allowed power | 24.0                                    | 24.0       | 24.0       |  |
|                                    | Nominal           | 23.0                                    | 23.0       | 23.0       |  |
| DSI = 1 (Phablet Reduced)          | Max allowed power | 22.0                                    | 22.0       | 22.0       |  |
|                                    | Nominal           | 21.0                                    | 21.0       | 21.0       |  |
| DSI = 2 (Head)                     | Max allowed power | 24.0                                    | 24.0       | 24.0       |  |
|                                    | Nominal           | 23.0                                    | 23.0       | 23.0       |  |
| DSI = 3 (Hotspot)                  | Max allowed power | 19.0                                    | 19.0       | 19.0       |  |
|                                    | Nominal           | 18.0                                    | 18.0       | 18.0       |  |
| DSI = 4 (Earjack)                  | Max allowed power | 22.0                                    | 22.0       | 22.0       |  |
|                                    | Nominal           | 21.0                                    | 21.0       | 21.0       |  |

| GSM/GPRS/EDGE 850                  |                   |                |                                    |            |            |            |                                     |            |            |            |
|------------------------------------|-------------------|----------------|------------------------------------|------------|------------|------------|-------------------------------------|------------|------------|------------|
| Power Level                        |                   | Voice (in dBm) | Data - Burst Average GMSK (in dBm) |            |            |            | Data - Burst Average 8-PSK (in dBm) |            |            |            |
|                                    |                   | 1 TX Slot      | 1 TX Slots                         | 2 TX Slots | 3 TX Slots | 4 TX Slots | 1 TX Slots                          | 2 TX Slots | 3 TX Slots | 4 TX Slots |
| DSI = 0 (Body-Worn or Phablet Max) | Max allowed power | 33.0           | 33.0                               | 31.5       | 29.5       | 27.5       | 27.0                                | 25.0       | 23.0       | 22.0       |
|                                    | Nominal           | 32.0           | 32.0                               | 30.5       | 28.5       | 26.5       | 26.0                                | 24.0       | 22.0       | 21.0       |
| DSI = 1 (Phablet Reduced)          | Max allowed power | 33.0           | 33.0                               | 31.5       | 29.5       | 27.5       | 27.0                                | 25.0       | 23.0       | 22.0       |
|                                    | Nominal           | 32.0           | 32.0                               | 30.5       | 28.5       | 26.5       | 26.0                                | 24.0       | 22.0       | 21.0       |
| DSI = 2 (Head)                     | Max allowed power | 33.0           | 33.0                               | 31.5       | 29.5       | 27.5       | 27.0                                | 25.0       | 23.0       | 22.0       |
|                                    | Nominal           | 32.0           | 32.0                               | 30.5       | 28.5       | 26.5       | 26.0                                | 24.0       | 22.0       | 21.0       |
| DSI = 3 (Hotspot)                  | Max allowed power | N/A            | 32.0                               | 29.0       | 27.2       | 26.0       | 27.0                                | 25.0       | 23.0       | 22.0       |
|                                    | Nominal           | N/A            | 31.0                               | 28.0       | 26.2       | 25.0       | 26.0                                | 24.0       | 22.0       | 21.0       |
| DSI = 4 (Earjack)                  | Max allowed power | 33.0           | 33.0                               | 31.5       | 29.5       | 27.5       | 27.0                                | 25.0       | 23.0       | 22.0       |
|                                    | Nominal           | 32.0           | 32.0                               | 30.5       | 28.5       | 26.5       | 26.0                                | 24.0       | 22.0       | 21.0       |

| GSM/GPRS/EDGE 1900                 |                   |                |                                    |            |            |            |                                     |            |            |            |
|------------------------------------|-------------------|----------------|------------------------------------|------------|------------|------------|-------------------------------------|------------|------------|------------|
| Power Level                        |                   | Voice (in dBm) | Data - Burst Average GMSK (in dBm) |            |            |            | Data - Burst Average 8-PSK (in dBm) |            |            |            |
|                                    |                   | 1 TX Slot      | 1 TX Slots                         | 2 TX Slots | 3 TX Slots | 4 TX Slots | 1 TX Slots                          | 2 TX Slots | 3 TX Slots | 4 TX Slots |
| DSI = 0 (Body-Worn or Phablet Max) | Max allowed power | 30.0           | 30.0                               | 28.5       | 26.5       | 24.5       | 26.5                                | 24.0       | 22.0       | 21.0       |
|                                    | Nominal           | 29.0           | 29.0                               | 27.5       | 25.5       | 23.5       | 25.5                                | 23.0       | 21.0       | 20.0       |
| DSI = 1 (Phablet Reduced)          | Max allowed power | 29.0           | 29.0                               | 26.0       | 24.2       | 23.0       | 26.5                                | 24.0       | 22.0       | 21.0       |
|                                    | Nominal           | 28.0           | 28.0                               | 25.0       | 23.2       | 22.0       | 25.5                                | 23.0       | 21.0       | 20.0       |
| DSI = 2 (Head)                     | Max allowed power | 30.0           | 30.0                               | 28.5       | 26.5       | 24.5       | 26.5                                | 24.0       | 22.0       | 21.0       |
|                                    | Nominal           | 29.0           | 29.0                               | 27.5       | 25.5       | 23.5       | 25.5                                | 23.0       | 21.0       | 20.0       |
| DSI = 3 (Hotspot)                  | Max allowed power | N/A            | 29.0                               | 26.0       | 24.2       | 23.0       | 26.5                                | 24.0       | 22.0       | 21.0       |
|                                    | Nominal           | N/A            | 28.0                               | 25.0       | 23.2       | 22.0       | 25.5                                | 23.0       | 21.0       | 20.0       |
| DSI = 4 (Earjack)                  | Max allowed power | 29.0           | 29.0                               | 26.0       | 24.2       | 23.0       | 26.5                                | 24.0       | 22.0       | 21.0       |
|                                    | Nominal           | 28.0           | 28.0                               | 25.0       | 23.2       | 22.0       | 25.5                                | 23.0       | 21.0       | 20.0       |

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of element | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                        | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 6 of 337                          |

| UMTS Band 5 (850 MHz)              |                   |                                            |                     |                     |                           |
|------------------------------------|-------------------|--------------------------------------------|---------------------|---------------------|---------------------------|
| Power Level                        |                   | Modulated Average Output Power<br>(in dBm) |                     |                     |                           |
|                                    |                   | 3GPP WCDMA<br>Rel 99                       | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 | 3GPP<br>DC-HSDPA<br>Rel 8 |
| DSI = 0 (Body-Worn or Phablet Max) | Max allowed power | 25.0                                       | 24.0                | 24.0                | 24.0                      |
|                                    | Nominal           | 24.0                                       | 23.0                | 23.0                | 23.0                      |
| DSI = 1 (Phablet Reduced)          | Max allowed power | 25.0                                       | 24.0                | 24.0                | 24.0                      |
|                                    | Nominal           | 24.0                                       | 23.0                | 23.0                | 23.0                      |
| DSI = 2 (Head)                     | Max allowed power | 25.0                                       | 24.0                | 24.0                | 24.0                      |
|                                    | Nominal           | 24.0                                       | 23.0                | 23.0                | 23.0                      |
| DSI = 3 (Hotspot)                  | Max allowed power | 24.0                                       | 23.0                | 23.0                | 23.0                      |
|                                    | Nominal           | 23.0                                       | 22.0                | 22.0                | 22.0                      |
| DSI = 4 (Earjack)                  | Max allowed power | 25.0                                       | 24.0                | 24.0                | 24.0                      |
|                                    | Nominal           | 24.0                                       | 23.0                | 23.0                | 23.0                      |
| UMTS Band 4 (1750 MHz)             |                   |                                            |                     |                     |                           |
| Power Level                        |                   | Modulated Average Output Power<br>(in dBm) |                     |                     |                           |
|                                    |                   | 3GPP WCDMA<br>Rel 99                       | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 | 3GPP<br>DC-HSDPA<br>Rel 8 |
| DSI = 0 (Body-Worn or Phablet Max) | Max allowed power | 24.0                                       | 23.0                | 23.0                | 23.0                      |
|                                    | Nominal           | 23.0                                       | 22.0                | 22.0                | 22.0                      |
| DSI = 1 (Phablet Reduced)          | Max allowed power | 21.0                                       | 20.0                | 20.0                | 20.0                      |
|                                    | Nominal           | 20.0                                       | 19.0                | 19.0                | 19.0                      |
| DSI = 2 (Head)                     | Max allowed power | 24.0                                       | 23.0                | 23.0                | 23.0                      |
|                                    | Nominal           | 23.0                                       | 22.0                | 22.0                | 22.0                      |
| DSI = 3 (Hotspot)                  | Max allowed power | 19.0                                       | 18.0                | 18.0                | 18.0                      |
|                                    | Nominal           | 18.0                                       | 17.0                | 17.0                | 17.0                      |
| DSI = 4 (Earjack)                  | Max allowed power | 21.0                                       | 20.0                | 20.0                | 20.0                      |
|                                    | Nominal           | 20.0                                       | 19.0                | 19.0                | 19.0                      |
| UMTS Band 2 (1900 MHz)             |                   |                                            |                     |                     |                           |
| Power Level                        |                   | Modulated Average Output Power<br>(in dBm) |                     |                     |                           |
|                                    |                   | 3GPP WCDMA<br>Rel 99                       | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 | 3GPP<br>DC-HSDPA<br>Rel 8 |
| DSI = 0 (Body-Worn or Phablet Max) | Max allowed power | 24.0                                       | 23.0                | 23.0                | 23.0                      |
|                                    | Nominal           | 23.0                                       | 22.0                | 22.0                | 22.0                      |
| DSI = 1 (Phablet Reduced)          | Max allowed power | 22.0                                       | 21.0                | 21.0                | 21.0                      |
|                                    | Nominal           | 21.0                                       | 20.0                | 20.0                | 20.0                      |
| DSI = 2 (Head)                     | Max allowed power | 24.0                                       | 23.0                | 23.0                | 23.0                      |
|                                    | Nominal           | 23.0                                       | 22.0                | 22.0                | 22.0                      |
| DSI = 3 (Hotspot)                  | Max allowed power | 19.0                                       | 18.0                | 18.0                | 18.0                      |
|                                    | Nominal           | 18.0                                       | 17.0                | 17.0                | 17.0                      |
| DSI = 4 (Earjack)                  | Max allowed power | 22.0                                       | 21.0                | 21.0                | 21.0                      |
|                                    | Nominal           | 21.0                                       | 20.0                | 20.0                | 20.0                      |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 7 of 337                                                                         |                                        |

| Mode / Band           |             | Modulated Average Output Power (in dBm) |                           |                |                   |                   |
|-----------------------|-------------|-----------------------------------------|---------------------------|----------------|-------------------|-------------------|
|                       |             | DSI = 0 (Body-Worn or Phablet Max)      | DSI = 1 (Phablet Reduced) | DSI = 2 (Head) | DSI = 3 (Hotspot) | DSI = 4 (Earjack) |
| LTE FDD Band 71       | Max allowed | 25.5                                    | 25.5                      | 25.5           | 24.0              | 25.5              |
|                       | Nominal     | 24.5                                    | 24.5                      | 24.5           | 23.0              | 24.5              |
| LTE FDD Band 12       | Max allowed | 25.5                                    | 25.5                      | 25.5           | 24.0              | 25.5              |
|                       | Nominal     | 24.5                                    | 24.5                      | 24.5           | 23.0              | 24.5              |
| LTE FDD Band 13       | Max allowed | 25.5                                    | 25.5                      | 25.5           | 24.0              | 25.5              |
|                       | Nominal     | 24.5                                    | 24.5                      | 24.5           | 23.0              | 24.5              |
| LTE FDD Band 14       | Max allowed | 25.5                                    | 25.5                      | 25.5           | 24.0              | 25.5              |
|                       | Nominal     | 24.5                                    | 24.5                      | 24.5           | 23.0              | 24.5              |
| LTE FDD Band 26       | Max allowed | 25.3                                    | 25.3                      | 25.3           | 24.0              | 25.3              |
|                       | Nominal     | 24.3                                    | 24.3                      | 24.3           | 23.0              | 24.3              |
| LTE FDD Band 5        | Max allowed | 25.3                                    | 25.3                      | 25.3           | 24.0              | 25.3              |
|                       | Nominal     | 24.3                                    | 24.3                      | 24.3           | 23.0              | 24.3              |
| LTE FDD Band 66       | Max allowed | 25.0                                    | 21.4                      | 25.0           | 19.0              | 21.4              |
|                       | Nominal     | 24.0                                    | 20.4                      | 24.0           | 18.0              | 20.4              |
| LTE FDD Band 4        | Max allowed | 25.0                                    | 21.4                      | 25.0           | 19.0              | 21.4              |
|                       | Nominal     | 24.0                                    | 20.4                      | 24.0           | 18.0              | 20.4              |
| LTE FDD Band 25       | Max allowed | 25.0                                    | 22.0                      | 25.0           | 19.0              | 22.0              |
|                       | Nominal     | 24.0                                    | 21.0                      | 24.0           | 18.0              | 21.0              |
| LTE FDD Band 2        | Max allowed | 25.0                                    | 22.0                      | 25.0           | 19.0              | 22.0              |
|                       | Nominal     | 24.0                                    | 21.0                      | 24.0           | 18.0              | 21.0              |
| LTE FDD Band 30       | Max allowed | 24.0                                    | 22.0                      | 24.0           | 18.5              | 22.0              |
|                       | Nominal     | 23.0                                    | 21.0                      | 23.0           | 17.5              | 21.0              |
| LTE FDD Band 7        | Max allowed | 25.0                                    | 22.0                      | 25.0           | 18.5              | 22.0              |
|                       | Nominal     | 24.0                                    | 21.0                      | 24.0           | 17.5              | 21.0              |
| LTE TDD Band 48       | Max allowed | 22.5                                    | 22.5                      | 18.0           | 18.0              | 22.5              |
|                       | Nominal     | 21.5                                    | 21.5                      | 17.0           | 17.0              | 21.5              |
| LTE TDD Band 41       | Max allowed | 25.5                                    | 24.0                      | 25.5           | 20.5              | 24.0              |
|                       | Nominal     | 24.5                                    | 23.0                      | 24.5           | 19.5              | 23.0              |
| LTE TDD Band 41 (PC2) | Max allowed | 28.0                                    | 25.6                      | 28.0           | 22.1              | 25.6              |
|                       | Nominal     | 27.0                                    | 24.6                      | 27.0           | 21.1              | 24.6              |
| LTE TDD Band 38       | Max allowed | 25.5                                    | 24.0                      | 25.5           | 20.5              | 24.0              |
|                       | Nominal     | 24.5                                    | 23.0                      | 24.5           | 19.5              | 23.0              |

| Mode / Band          |             | Modulated Average Output Power (in dBm) |                           |                |                   |                   |
|----------------------|-------------|-----------------------------------------|---------------------------|----------------|-------------------|-------------------|
|                      |             | DSI = 0 (Body-Worn or Phablet Max)      | DSI = 1 (Phablet Reduced) | DSI = 2 (Head) | DSI = 3 (Hotspot) | DSI = 4 (Earjack) |
| NR FDD Band 71       | Max allowed | 25.5                                    | 25.5                      | 25.5           | 24.0              | 25.5              |
|                      | Nominal     | 24.5                                    | 24.5                      | 24.5           | 23.0              | 24.5              |
| NR FDD Band 12       | Max allowed | 25.5                                    | 25.5                      | 25.5           | 24.0              | 25.5              |
|                      | Nominal     | 24.5                                    | 24.5                      | 24.5           | 23.0              | 24.5              |
| NR FDD Band 5        | Max allowed | 25.3                                    | 25.3                      | 25.3           | 24.0              | 25.3              |
|                      | Nominal     | 24.3                                    | 24.3                      | 24.3           | 23.0              | 24.3              |
| NR FDD Band 66 Ant A | Max allowed | 24.5                                    | 20.5                      | 24.5           | 18.5              | 20.5              |
|                      | Nominal     | 23.5                                    | 19.5                      | 23.5           | 17.5              | 19.5              |
| NR FDD Band 66 Ant I | Max allowed | 22.0                                    | 22.0                      | 18.0           | 19.0              | 22.0              |
|                      | Nominal     | 21.0                                    | 21.0                      | 17.0           | 18.0              | 21.0              |
| NR FDD Band 25 Ant A | Max allowed | 24.5                                    | 22.0                      | 24.5           | 18.5              | 22.0              |
|                      | Nominal     | 23.5                                    | 21.0                      | 23.5           | 17.5              | 21.0              |
| NR FDD Band 25 Ant I | Max allowed | 24.5                                    | 24.5                      | 19.0           | 19.0              | 24.5              |
|                      | Nominal     | 23.5                                    | 23.5                      | 18.0           | 18.0              | 23.5              |
| NR FDD Band 2 Ant A  | Max allowed | 24.5                                    | 22.0                      | 24.5           | 18.5              | 22.0              |
|                      | Nominal     | 23.5                                    | 21.0                      | 23.5           | 17.5              | 21.0              |
| NR FDD Band 2 Ant I  | Max allowed | 24.5                                    | 24.5                      | 19.0           | 19.0              | 24.5              |
|                      | Nominal     | 23.5                                    | 23.5                      | 18.0           | 18.0              | 23.5              |
| NR FDD Band 30       | Max allowed | 23.5                                    | 22.0                      | 23.5           | 18.5              | 22.0              |
|                      | Nominal     | 22.5                                    | 21.0                      | 22.5           | 17.5              | 21.0              |
| NR TDD Band 41 (PC3) | Max allowed | 22.0                                    | 22.0                      | 16.0           | 20.0              | 22.0              |
|                      | Nominal     | 21.0                                    | 21.0                      | 15.0           | 19.0              | 21.0              |
| NR TDD Band 41 (PC2) | Max allowed | 22.0                                    | 22.0                      | 16.0           | 20.0              | 22.0              |
|                      | Nominal     | 21.0                                    | 21.0                      | 15.0           | 19.0              | 21.0              |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 8 of 337                          |



| Mode / Band                |             | Modulated Average Output Power (in dBm) |                           |                |                   |                   |
|----------------------------|-------------|-----------------------------------------|---------------------------|----------------|-------------------|-------------------|
|                            |             | DSI = 0 (Body-Worn or Phablet Max)      | DSI = 1 (Phablet Reduced) | DSI = 2 (Head) | DSI = 3 (Hotspot) | DSI = 4 (Earjack) |
| NR TDD Band 77 Ant F       | Max allowed | 19.5                                    | 19.5                      | 16.0           | 18.5              | 19.5              |
|                            | Nominal     | 18.5                                    | 18.5                      | 15.0           | 17.5              | 18.5              |
| NR TDD Band 77 (PC2) Ant F | Max allowed | 19.5                                    | 19.5                      | 16.0           | 18.5              | 19.5              |
|                            | Nominal     | 18.5                                    | 18.5                      | 15.0           | 17.5              | 18.5              |
| NR TDD Band 77 Ant I       | Max allowed | 17.5                                    | 17.5                      | 14.0           | 16.5              | 17.5              |
|                            | Nominal     | 16.5                                    | 16.5                      | 13.0           | 15.5              | 16.5              |
| NR TDD Band 77 (PC2) Ant I | Max allowed | 17.5                                    | 17.5                      | 14.0           | 16.5              | 17.5              |
|                            | Nominal     | 16.5                                    | 16.5                      | 13.0           | 15.5              | 16.5              |
| NR TDD Band 77 Ant E       | Max allowed | 17.5                                    | 17.5                      | 14.0           | 16.5              | 17.5              |
|                            | Nominal     | 16.5                                    | 16.5                      | 13.0           | 15.5              | 16.5              |
| NR TDD Band 77 (PC2) Ant E | Max allowed | 17.5                                    | 17.5                      | 14.0           | 16.5              | 17.5              |
|                            | Nominal     | 16.5                                    | 16.5                      | 13.0           | 15.5              | 16.5              |
| NR TDD Band 77 Ant C       | Max allowed | 13.5                                    | 13.5                      | 10.0           | 12.0              | 13.5              |
|                            | Nominal     | 12.5                                    | 12.5                      | 9.0            | 11.0              | 12.5              |
| NR TDD Band 77 (PC2) Ant C | Max allowed | 13.5                                    | 13.5                      | 10.0           | 12.0              | 13.5              |
|                            | Nominal     | 12.5                                    | 12.5                      | 9.0            | 11.0              | 12.5              |

## 1.4.2 2.4 GHz Maximum Bluetooth and SISO/MIMO WLAN Output Power

Note: Targets for 802.11ax RU operations can be found in Appendix I

| Mode                    | Band     | IEEE 802.11 (in dBm) |      |      |      |      |      |         |      |                   |      |                   |      |                      |      |                            |      |
|-------------------------|----------|----------------------|------|------|------|------|------|---------|------|-------------------|------|-------------------|------|----------------------|------|----------------------------|------|
|                         |          | SISO                 |      |      |      |      |      |         |      | MIMO              |      |                   |      |                      |      |                            |      |
|                         |          | Antenna 1/2          |      |      |      |      |      |         |      |                   |      |                   |      |                      |      |                            |      |
|                         |          | b                    |      | g    |      | n    |      | ax (SU) |      | b<br>(CDD + STBC) |      | g<br>(CDD + STBC) |      | n<br>(CDD+STBC, SDM) |      | ax (SU)<br>(CDD+STBC, SDM) |      |
| Maximum / Nominal Power |          | Max                  | Nom. | Max  | Nom. | Max  | Nom. | Max     | Nom. | Max               | Nom. | Max               | Nom. | Max                  | Nom. | Max                        | Nom. |
| 2.4 GHz WIFI            | 2.45 GHz | 19.0                 | 18.0 | 18.0 | 17.0 | 18.0 | 17.0 | 18.0    | 17.0 | 22.0              | 21.0 | 21.0              | 20.0 | 21.0                 | 20.0 | 21.0                       | 20.0 |

(Upper tolerance: Target + 1.0 dB)

| Mode                                         |         | Single Antenna |           |
|----------------------------------------------|---------|----------------|-----------|
|                                              |         | Antenna 1      | Antenna 2 |
| Bluetooth<br>(in dBm)                        | Maximun | 16.0           | 17.0      |
|                                              | Nominal | 15.0           | 16.0      |
| Bluetooth EDR<br>(in dBm)                    | Maximun | 13.5           | 14.0      |
|                                              | Nominal | 12.5           | 13.5      |
| Bluetooth LE 2Mbps<br>(in dBm)               | Maximun | 6.0            |           |
|                                              | Nominal | 5.0            |           |
| Bluetooth LE 1Mbps, 125/500 kbps<br>(in dBm) | Maximun | 6.0            |           |
|                                              | Nominal | 5.0            |           |

(Upper tolerance: Target + 1.0 dB)

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 9 of 337                          |

### 1.4.3 2.4 GHz Reduced Bluetooth and WLAN Output Power

Note: Targets for 802.11ax RU operations can be found in Appendix I

The below table is applicable in the following conditions:

- Simultaneous conditions with 5 GHz WLAN
- Simultaneous conditions with 5G NR

| Mode                       | Band        | IEEE 802.11 (in dBm) |      |      |      |      |      |         |      |                              |      |                              |      |                                 |      |                                       |      |
|----------------------------|-------------|----------------------|------|------|------|------|------|---------|------|------------------------------|------|------------------------------|------|---------------------------------|------|---------------------------------------|------|
|                            |             | SISO                 |      |      |      |      |      |         |      | MIMO                         |      |                              |      |                                 |      |                                       |      |
|                            |             | Antenna 1/2          |      |      |      |      |      |         |      |                              |      |                              |      |                                 |      |                                       |      |
|                            |             | b                    |      | g    |      | n    |      | ax (SU) |      | <sup>b</sup><br>(CDD + STBC) |      | <sup>g</sup><br>(CDD + STBC) |      | <sup>n</sup><br>(CDD+STBC, SDM) |      | <sup>ax (SU)</sup><br>(CDD+STBC, SDM) |      |
| Maximum /<br>Nominal Power |             | Max                  | Nom. | Max  | Nom. | Max  | Nom. | Max     | Nom. | Max                          | Nom. | Max                          | Nom. | Max                             | Nom. | Max                                   | Nom. |
| 2.4<br>GHz<br>WIFI         | 2.45<br>GHz | 15.0                 | 14.0 | 15.0 | 14.0 | 15.0 | 14.0 | 15.0    | 14.0 | 18.0                         | 17.0 | 18.0                         | 17.0 | 18.0                            | 17.0 | 18.0                                  | 17.0 |

(Upper tolerance: Target + 1.0 dB)

The below table is applicable in the following conditions:

- RCV Active
- RCV active during simultaneous conditions with 5G NR (FR1) and/or 5 GHz WLAN

| Mode                    | Band     | IEEE 802.11 (in dBm) |      |      |      |      |      |         |      |                              |      |                              |      |                                 |      |                                       |      |
|-------------------------|----------|----------------------|------|------|------|------|------|---------|------|------------------------------|------|------------------------------|------|---------------------------------|------|---------------------------------------|------|
|                         |          | SISO                 |      |      |      |      |      |         |      | MIMO                         |      |                              |      |                                 |      |                                       |      |
|                         |          | Antenna 1/2          |      |      |      |      |      |         |      |                              |      |                              |      |                                 |      |                                       |      |
|                         |          | b                    |      | g    |      | n    |      | ax (SU) |      | <sup>b</sup><br>(CDD + STBC) |      | <sup>g</sup><br>(CDD + STBC) |      | <sup>n</sup><br>(CDD+STBC, SDM) |      | <sup>ax (SU)</sup><br>(CDD+STBC, SDM) |      |
| Maximum / Nominal Power |          | Max                  | Nom. | Max  | Nom. | Max  | Nom. | Max     | Nom. | Max                          | Nom. | Max                          | Nom. | Max                             | Nom. | Max                                   | Nom. |
| 2.4 GHz WIFI            | 2.45 GHz | 13.0                 | 12.0 | 13.0 | 12.0 | 13.0 | 12.0 | 13.0    | 12.0 | 16.0                         | 15.0 | 16.0                         | 15.0 | 16.0                            | 15.0 | 16.0                                  | 15.0 |

(Upper tolerance: Target + 1.0 dB)

The below table is applicable in the following conditions:

- RCV active during simultaneous conditions with 5G NR (FR2) and/or 5 GHz WLAN

| Mode                       | Band        | IEEE 802.11 (in dBm) |      |      |      |      |      |         |      |                              |      |                              |      |                                 |      |                                       |      |
|----------------------------|-------------|----------------------|------|------|------|------|------|---------|------|------------------------------|------|------------------------------|------|---------------------------------|------|---------------------------------------|------|
|                            |             | SISO                 |      |      |      |      |      |         |      | MIMO                         |      |                              |      |                                 |      |                                       |      |
|                            |             | Antenna 1/2          |      |      |      |      |      |         |      |                              |      |                              |      |                                 |      |                                       |      |
|                            |             | b                    |      | g    |      | n    |      | ax (SU) |      | <sup>b</sup><br>(CDD + STBC) |      | <sup>g</sup><br>(CDD + STBC) |      | <sup>n</sup><br>(CDD+STBC, SDM) |      | <sup>ax (SU)</sup><br>(CDD+STBC, SDM) |      |
| Maximum /<br>Nominal Power |             | Max                  | Nom. | Max  | Nom. | Max  | Nom. | Max     | Nom. | Max                          | Nom. | Max                          | Nom. | Max                             | Nom. | Max                                   | Nom. |
| 2.4<br>GHz<br>WIFI         | 2.45<br>GHz | 11.0                 | 10.0 | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 | 14.0                         | 13.0 | 14.0                         | 13.0 | 14.0                            | 13.0 | 14.0                                  | 13.0 |

(Upper tolerance: Target + 1.0 dB)

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 10 of 337                         |

The below table is applicable to the following conditions:

- Simultaneous conditions with 5G NR

| Mode                                         |         | Single Antenna |           |
|----------------------------------------------|---------|----------------|-----------|
|                                              |         | Antenna 1      | Antenna 2 |
| Bluetooth<br>(in dBm)                        | Maximun | 14             |           |
|                                              | Nominal | 13.0           |           |
| Bluetooth EDR<br>(in dBm)                    | Maximun | 13.5           | 14.0      |
|                                              | Nominal | 12.5           | 13.0      |
| Bluetooth LE 2Mbps<br>(in dBm)               | Maximun | 5.0            |           |
|                                              | Nominal | 5.0            |           |
| Bluetooth LE 1Mbps, 125/500 kbps<br>(in dBm) | Maximun | 6.0            |           |
|                                              | Nominal | 5.0            |           |

(Upper tolerance: Target + 1.0 dB)

The below table is applicable I the following conditions:

- RCV Active

| Mode                                         |         | Single Antenna |           |
|----------------------------------------------|---------|----------------|-----------|
|                                              |         | Antenna 1      | Antenna 2 |
| Bluetooth<br>(in dBm)                        | Maximun | 10.0           |           |
|                                              | Nominal | 9.0            |           |
| Bluetooth EDR<br>(in dBm)                    | Maximun | 10.0           |           |
|                                              | Nominal | 9.0            |           |
| Bluetooth LE 2Mbps<br>(in dBm)               | Maximun | 6.0            |           |
|                                              | Nominal | 5.0            |           |
| Bluetooth LE 1Mbps, 125/500 kbps<br>(in dBm) | Maximun | 6.0            |           |
|                                              | Nominal | 5.0            |           |

(Upper tolerance: Target + 1.0 dB)

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                        | <b>DUT Type:</b><br>Portable Handset | Page 11 of 337                                                                        |                                        |

## 1.4.4 5 GHz Maximum SISO/MIMO WLAN Output Power

Note: Targets for 802.11ax RU operations can be found in Appendix I

| Mode                           | Band     | IEEE 802.11 (in dBm) |      |               |      |               |      |               |      |                   |      |                      |      |                       |      |                            |      |
|--------------------------------|----------|----------------------|------|---------------|------|---------------|------|---------------|------|-------------------|------|----------------------|------|-----------------------|------|----------------------------|------|
|                                |          | SISO                 |      |               |      |               |      |               |      | MIMO              |      |                      |      |                       |      |                            |      |
|                                |          | Antenna 1/2          |      |               |      |               |      |               |      |                   |      |                      |      |                       |      |                            |      |
|                                |          | a                    |      | n             |      | ac            |      | ax (SU)       |      | a<br>(CDD + STBC) |      | n<br>(CDD+STBC, SDM) |      | ac<br>(CDD+STBC, SDM) |      | ax (SU)<br>(CDD+STBC, SDM) |      |
| Maximum / Nominal Power        |          | Max                  | Nom. | Max           | Nom. | Max           | Nom. | Max           | Nom. | Max               | Nom. | Max                  | Nom. | Max                   | Nom. | Max                        | Nom. |
| 5 GHz<br>WIFI<br>(20MHz<br>BW) | 5200 MHz | 18.0                 | 17.0 | 18.0          | 17.0 | 18.0          | 17.0 | 18.0          | 17.0 | 21.0              | 20.0 | 21.0                 | 20.0 | 21.0                  | 20.0 | 21.0                       | 20.0 |
|                                |          | ch. 36: 16.5         | 15.5 | ch. 36: 15.5  | 14.5 | ch. 36: 15.5  | 14.5 | ch. 36: 15.5  | 14.5 | ch. 36: 19.5      | 18.5 | ch. 36: 18.5         | 17.5 | ch. 36: 18.5          | 17.5 | ch. 36: 18.5               | 17.5 |
|                                | 5300 MHz | 18.0                 | 17.0 | 18.0          | 17.0 | 18.0          | 17.0 | 18.0          | 17.0 | 21.0              | 20.0 | 21.0                 | 20.0 | 21.0                  | 20.0 | 21.0                       | 20.0 |
|                                |          |                      |      | ch. 64: 17.0  | 16.0 | ch. 64: 17.0  | 16.0 | ch. 64: 17.0  | 16.0 |                   |      | ch. 64: 20.0         | 19.0 | ch. 64: 20.0          | 19.0 | ch. 64: 20.0               | 19.0 |
| 5 GHz<br>WIFI<br>(40MHz<br>BW) | 5500 MHz | 18.0                 | 17.0 | 18.0          | 17.0 | 18.0          | 17.0 | 18.0          | 17.0 | 21.0              | 20.0 | 21.0                 | 20.0 | 21.0                  | 20.0 | 21.0                       | 20.0 |
|                                |          |                      |      | ch. 100: 17.0 | 16.0 | ch. 100: 17.0 | 16.0 | ch. 100: 17.0 | 16.0 |                   |      | ch. 100: 20.0        | 19.0 | ch. 100: 20.0         | 19.0 | ch. 100: 20.0              | 19.0 |
|                                | 5800 MHz | 18.0                 | 17.0 | 18.0          | 17.0 | 18.0          | 17.0 | 18.0          | 17.0 | 21.0              | 20.0 | 21.0                 | 20.0 | 21.0                  | 20.0 | 21.0                       | 20.0 |
|                                |          |                      |      |               |      |               |      |               |      |                   |      |                      |      |                       |      |                            |      |
| 5 GHz<br>WIFI<br>(80MHz<br>BW) | 5200 MHz |                      |      | 17.0          | 16.0 | 17.0          | 16.0 | 17.0          | 16.0 |                   |      | 20.0                 | 19.0 | 20.0                  | 19.0 | 20.0                       | 19.0 |
|                                |          |                      |      | ch. 38: 14.0  | 13.0 | ch. 38: 14.0  | 13.0 | ch. 38: 14.0  | 13.0 |                   |      | ch. 38: 17.0         | 16.0 | ch. 38: 17.0          | 16.0 | ch. 38: 17.0               | 16.0 |
|                                | 5300 MHz |                      |      | 17.0          | 16.0 | 17.0          | 16.0 | 17.0          | 16.0 |                   |      | 20.0                 | 19.0 | 20.0                  | 19.0 | 20.0                       | 19.0 |
|                                |          |                      |      | ch. 62: 15.0  | 14.0 | ch. 62: 15.0  | 14.0 | ch. 62: 15.0  | 14.0 |                   |      | ch. 62: 18.0         | 17.0 | ch. 62: 18.0          | 17.0 | ch. 62: 18.0               | 17.0 |
| 5 GHz<br>WIFI<br>(80MHz<br>BW) | 5500 MHz |                      |      | 17.0          | 16.0 | 17.0          | 16.0 | 17.0          | 16.0 |                   |      | 20.0                 | 19.0 | 20.0                  | 19.0 | 20.0                       | 19.0 |
|                                |          |                      |      | ch. 102: 15.5 | 14.5 | ch. 102: 15.5 | 14.5 | ch. 102: 15.5 | 14.5 |                   |      | ch. 102: 18.5        | 17.5 | ch. 102: 18.5         | 17.5 | ch. 102: 18.5              | 17.5 |
|                                | 5800 MHz |                      |      | 17.0          | 16.0 | 17.0          | 16.0 | 17.0          | 16.0 |                   |      | 20.0                 | 19.0 | 20.0                  | 19.0 | 20.0                       | 19.0 |
|                                |          |                      |      |               |      |               |      |               |      |                   |      |                      |      |                       |      |                            |      |
| 5 GHz<br>WIFI<br>(80MHz<br>BW) | 5200 MHz |                      |      |               |      | 12.5          | 11.5 | 12.5          | 11.5 |                   |      |                      |      | 15.5                  | 14.5 | 15.5                       | 14.5 |
|                                |          |                      |      |               |      |               |      |               |      |                   |      |                      |      |                       |      |                            |      |
|                                | 5300 MHz |                      |      |               |      | 13.0          | 12.0 | 13.0          | 12.0 |                   |      |                      |      | 16.0                  | 15.0 | 16.0                       | 15.0 |
|                                |          |                      |      |               |      |               |      |               |      |                   |      |                      |      |                       |      |                            |      |
| 5 GHz<br>WIFI<br>(80MHz<br>BW) | 5500 MHz |                      |      |               |      | 16.0          | 15.0 | 16.0          | 15.0 |                   |      |                      |      | 19.0                  | 18.0 | 19.0                       | 18.0 |
|                                |          |                      |      |               |      | ch. 106: 15.0 | 14.0 | ch. 106: 15.0 | 14.0 |                   |      |                      |      | ch. 106: 18.0         | 17.0 | ch. 106: 18.0              | 17.0 |
|                                | 5800 MHz |                      |      |               |      | 16.0          | 15.0 | 16.0          | 15.0 |                   |      |                      |      | 19.0                  | 18.0 | 19.0                       | 18.0 |
|                                |          |                      |      |               |      |               |      |               |      |                   |      |                      |      |                       |      |                            |      |

(Upper tolerance: Target + 1.0 dB)

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 12 of 337                         |

## 1.4.5 5 GHz Reduced SISO/MIMO WLAN Output Power

Note: Targets for 802.11ax RU operations can be found in Appendix I

The below table is applicable in the following conditions:

- Simultaneous conditions with 2.4 GHz WLAN
- Simultaneous conditions with 5G NR

| Mode                     | Band     | IEEE 802.11 (in dBm) |      |              |      |              |      |              |      |                   |      |                      |      |                       |      |                            |      |
|--------------------------|----------|----------------------|------|--------------|------|--------------|------|--------------|------|-------------------|------|----------------------|------|-----------------------|------|----------------------------|------|
|                          |          | SISO                 |      |              |      |              |      |              |      | MIMO              |      |                      |      |                       |      |                            |      |
|                          |          | Antenna 1/2          |      |              |      |              |      |              |      |                   |      |                      |      |                       |      |                            |      |
|                          |          | a                    |      | n            |      | ac           |      | ax (SU)      |      | a<br>(CDD + STBC) |      | n<br>(CDD+STBC, SDM) |      | ac<br>(CDD+STBC, SDM) |      | ax (SU)<br>(CDD+STBC, SDM) |      |
| Maximum / Nominal Power  |          | Max                  | Nom. | Max          | Nom. | Max          | Nom. | Max          | Nom. | Max               | Nom. | Max                  | Nom. | Max                   | Nom. | Max                        | Nom. |
| 5 GHz WIFI<br>(20MHz BW) | 5200 MHz | 15.0                 | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 | 18.0              | 17.0 | 18.0                 | 17.0 | 18.0                  | 17.0 | 18.0                       | 17.0 |
|                          | 5300 MHz | 15.0                 | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 | 18.0              | 17.0 | 18.0                 | 17.0 | 18.0                  | 17.0 | 18.0                       | 17.0 |
|                          | 5500 MHz | 15.0                 | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 | 18.0              | 17.0 | 18.0                 | 17.0 | 18.0                  | 17.0 | 18.0                       | 17.0 |
|                          | 5800 MHz | 15.0                 | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 | 18.0              | 17.0 | 18.0                 | 17.0 | 18.0                  | 17.0 | 18.0                       | 17.0 |
| 5 GHz WIFI<br>(40MHz BW) | 5200 MHz |                      |      | 15.0         | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 |                   |      | 18.0                 | 17.0 | 18.0                  | 17.0 | 18.0                       | 17.0 |
|                          | 5300 MHz |                      |      | ch. 38: 14.0 | 13.0 | ch. 38: 14.0 | 13.0 | ch. 38: 14.0 | 13.0 |                   |      | ch. 38: 17.0         | 16.0 | ch. 38: 17.0          | 16.0 | ch. 38: 17.0               | 16.0 |
|                          | 5500 MHz |                      |      | 15.0         | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 |                   |      | 18.0                 | 17.0 | 18.0                  | 17.0 | 18.0                       | 17.0 |
|                          | 5800 MHz |                      |      | 15.0         | 14.0 | 15.0         | 14.0 | 15.0         | 14.0 |                   |      | 18.0                 | 17.0 | 18.0                  | 17.0 | 18.0                       | 17.0 |
| 5 GHz WIFI<br>(80MHz BW) | 5200 MHz |                      |      |              |      | 12.5         | 11.5 | 12.5         | 11.5 |                   |      |                      |      | 15.5                  | 14.5 | 15.5                       | 14.5 |
|                          | 5300 MHz |                      |      |              |      | 13.0         | 12.0 | 13.0         | 12.0 |                   |      |                      |      | 16.0                  | 15.0 | 16.0                       | 15.0 |
|                          | 5500 MHz |                      |      |              |      | 15.0         | 14.0 | 15.0         | 14.0 |                   |      |                      |      | 18.0                  | 17.0 | 18.0                       | 17.0 |
|                          | 5800 MHz |                      |      |              |      | 15.0         | 14.0 | 15.0         | 14.0 |                   |      |                      |      | 18.0                  | 17.0 | 18.0                       | 17.0 |

(Upper tolerance: Target + 1.0 dB)

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 13 of 337                         |

The below table is applicable in the following conditions:

- RCV Active
- RCV active during simultaneous conditions with 2.4 GHz WLAN
- RCV active during simultaneous conditions with 5G NR

| Mode                     | Band     | IEEE 802.11 (in dBm) |      |      |      |      |      |         |      |                   |      |                      |      |                       |      |                            |      |
|--------------------------|----------|----------------------|------|------|------|------|------|---------|------|-------------------|------|----------------------|------|-----------------------|------|----------------------------|------|
|                          |          | SISO                 |      |      |      |      |      |         |      | MIMO              |      |                      |      |                       |      |                            |      |
|                          |          | Antenna 1/2          |      |      |      |      |      |         |      |                   |      |                      |      |                       |      |                            |      |
|                          |          | a                    |      | n    |      | ac   |      | ax (SU) |      | a<br>(CDD + STBC) |      | n<br>(CDD+STBC, SDM) |      | ac<br>(CDD+STBC, SDM) |      | ax (SU)<br>(CDD+STBC, SDM) |      |
| Maximum / Nominal Power  |          | Max                  | Nom. | Max  | Nom. | Max  | Nom. | Max     | Nom. | Max               | Nom. | Max                  | Nom. | Max                   | Nom. | Max                        | Nom. |
| 5 GHz WIFI<br>(20MHz BW) | 5200 MHz | 11.0                 | 10.0 | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 | 14.0              | 13.0 | 14.0                 | 13.0 | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5300 MHz | 11.0                 | 10.0 | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 | 14.0              | 13.0 | 14.0                 | 13.0 | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5500 MHz | 11.0                 | 10.0 | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 | 14.0              | 13.0 | 14.0                 | 13.0 | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5800 MHz | 11.0                 | 10.0 | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 | 14.0              | 13.0 | 14.0                 | 13.0 | 14.0                  | 13.0 | 14.0                       | 13.0 |
| 5 GHz WIFI<br>(40MHz BW) | 5200 MHz |                      |      | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 |                   |      | 14.0                 | 13.0 | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5300 MHz |                      |      | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 |                   |      | 14.0                 | 13.0 | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5500 MHz |                      |      | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 |                   |      | 14.0                 | 13.0 | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5800 MHz |                      |      | 11.0 | 10.0 | 11.0 | 10.0 | 11.0    | 10.0 |                   |      | 14.0                 | 13.0 | 14.0                  | 13.0 | 14.0                       | 13.0 |
| 5 GHz WIFI<br>(80MHz BW) | 5200 MHz |                      |      |      |      | 11.0 | 10.0 | 11.0    | 10.0 |                   |      |                      |      | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5300 MHz |                      |      |      |      | 11.0 | 10.0 | 11.0    | 10.0 |                   |      |                      |      | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5500 MHz |                      |      |      |      | 11.0 | 10.0 | 11.0    | 10.0 |                   |      |                      |      | 14.0                  | 13.0 | 14.0                       | 13.0 |
|                          | 5800 MHz |                      |      |      |      | 11.0 | 10.0 | 11.0    | 10.0 |                   |      |                      |      | 14.0                  | 13.0 | 14.0                       | 13.0 |

(Upper tolerance: Target + 1.0 dB)

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 14 of 337                         |

## 1.5 DUT Antenna Locations

A diagram showing the location of the device antennas for both open and closed configurations can be found in Appendix E. When the device is open, the overall dimensions of this device are > 9 x 5 cm. Since the diagonal dimension of this device when open is > 160 mm and <200 mm, it is considered a “phablet.” and operates similar to a traditional portable handset. In the closed configuration, only a simple display/interaction of notifications occurs and overall dimensions are < 9 x5 cm. Therefore, when the device is closed, the only testing considered is for body-worn and hotspot.

**Table 1-1**  
**Device Edges/Sides for SAR Testing Open**

| Mode                        | Back | Front | Top | Bottom | Right | Left |
|-----------------------------|------|-------|-----|--------|-------|------|
| Cell. EVDO                  | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| PCS EVDO                    | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| GPRS 850                    | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| GPRS 1900                   | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| UMTS 850                    | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| UMTS 1750                   | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| UMTS 1900                   | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 71                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 12                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 13                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 14                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 26 (Cell)          | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 5 (Cell)           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 66 (AWS)           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 25 (PCS)           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 30                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 7                  | Yes  | Yes   | No  | Yes    | No    | Yes  |
| LTE Band 48                 | Yes  | Yes   | Yes | No     | No    | Yes  |
| LTE Band 41                 | Yes  | Yes   | No  | Yes    | No    | Yes  |
| NR Band n71                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n12                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n5 (Cell)           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n66 (AWS) Antenna A | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n66 (AWS) Antenna I | Yes  | Yes   | Yes | No     | Yes   | No   |
| NR Band n25 (PCS) Antenna A | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n25 (PCS) Antenna I | Yes  | Yes   | Yes | No     | Yes   | No   |
| NR Band n30                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n41                 | Yes  | Yes   | Yes | No     | Yes   | No   |
| NR Band n77 Antenna F       | Yes  | Yes   | Yes | No     | No    | Yes  |
| NR Band n77 Antenna I       | Yes  | Yes   | Yes | No     | Yes   | No   |
| NR Band n77 Antenna E       | Yes  | Yes   | Yes | No     | No    | Yes  |
| NR Band n77 Antenna C       | Yes  | Yes   | No  | Yes    | No    | Yes  |
| 2.4 GHz WLAN Ant 2          | Yes  | Yes   | Yes | No     | No    | Yes  |
| 2.4 GHz WLAN MIMO           | Yes  | Yes   | Yes | No     | Yes   | Yes  |
| 5 GHz WLAN Ant 1            | Yes  | Yes   | Yes | No     | Yes   | No   |
| 5 GHz WLAN MIMO             | Yes  | Yes   | Yes | No     | Yes   | Yes  |
| Bluetooth Ant 1             | Yes  | Yes   | Yes | No     | Yes   | No   |
| Bluetooth Ant 2             | Yes  | Yes   | Yes | No     | No    | Yes  |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 15 of 337                                                                        |                                        |

**Table 1-2  
Device Edges/Sides for SAR Testing Closed**

| Mode                        | Back | Front | Top | Bottom | Right | Left |
|-----------------------------|------|-------|-----|--------|-------|------|
| Cell. EVDO                  | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| PCS EVDO                    | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| GPRS 850                    | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| GPRS 1900                   | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| UMTS 850                    | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| UMTS 1750                   | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| UMTS 1900                   | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 71                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 12                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 13                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 14                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 26 (Cell)          | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 5 (Cell)           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 66 (AWS)           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 25 (PCS)           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 30                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| LTE Band 7                  | Yes  | Yes   | No  | Yes    | No    | Yes  |
| LTE Band 48                 | Yes  | Yes   | No  | Yes    | No    | Yes  |
| LTE Band 41                 | Yes  | Yes   | No  | Yes    | No    | Yes  |
| NR Band n71                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n12                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n5 (Cell)           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n66 (AWS) Antenna A | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n66 (AWS) Antenna I | Yes  | Yes   | Yes | Yes    | Yes   | No   |
| NR Band n25 (PCS) Antenna A | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n25 (PCS) Antenna I | Yes  | Yes   | Yes | Yes    | Yes   | No   |
| NR Band n30                 | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| NR Band n41                 | Yes  | Yes   | Yes | Yes    | Yes   | No   |
| NR Band n77 Antenna F       | Yes  | Yes   | No  | Yes    | No    | Yes  |
| NR Band n77 Antenna I       | Yes  | Yes   | Yes | Yes    | Yes   | No   |
| NR Band n77 Antenna E       | Yes  | Yes   | Yes | Yes    | No    | Yes  |
| NR Band n77 Antenna C       | Yes  | Yes   | Yes | Yes    | No    | Yes  |
| 2.4 GHz WLAN Ant 2          | Yes  | Yes   | No  | Yes    | No    | Yes  |
| 2.4 GHz WLAN MIMO           | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| 5 GHz WLAN Ant 1            | Yes  | Yes   | No  | Yes    | Yes   | No   |
| 5 GHz WLAN MIMO             | Yes  | Yes   | No  | Yes    | Yes   | Yes  |
| Bluetooth Ant 1             | Yes  | Yes   | No  | Yes    | Yes   | No   |
| Bluetooth Ant 2             | Yes  | Yes   | No  | Yes    | No    | Yes  |

Note: Particular DUT edges were not required to be evaluated for wireless router SAR or phablet SAR if the edges were greater than 2.5 cm from the transmitting antenna according to FCC KDB Publication 941225 D06v02r01 Section III and FCC KDB Publication 648474 D04v01r03. The distances between the transmit antennas and the edges of the device are included in the filing. When wireless router mode is enabled, U-NII-1, U-NII-2A, U-NII-2C operations are disabled.

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 16 of 337                  |



## 1.6 Near Field Communications (NFC) Antenna

This DUT has NFC operations. The NFC antenna is integrated into the device for this model. Therefore, all SAR tests were performed with the device which already incorporates the NFC antenna. A diagram showing the location of the NFC antenna can be found in Appendix E.

## 1.7 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D01v06, transmitters are considered to be operating simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D01v06 4.3.2 procedures.

**Table 1-3  
Simultaneous Transmission Scenarios**

| No. | Capable Transmit Configuration                                                  | Head             | Body-Worn Accessory | Wireless Router  | Phablet | Notes                                          |
|-----|---------------------------------------------------------------------------------|------------------|---------------------|------------------|---------|------------------------------------------------|
| 1   | 1x CDMA voice + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO                             | Yes              | Yes                 | N/A              | Yes     |                                                |
| 2   | 1x CDMA voice + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN MIMO  | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 3   | 1x CDMA voice + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2                    | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 4   | 1x CDMA voice + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN MIMO                       | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 5   | 1x CDMA voice + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN MIMO                       | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 6   | 1x CDMA voice + 5 GHz WLAN MIMO                                                 | Yes              | Yes                 | N/A              | Yes     |                                                |
| 7   | 1x CDMA voice + 2.4 GHz WLAN MIMO                                               | Yes              | Yes                 | N/A              | Yes     |                                                |
| 8   | 1x CDMA voice + 2.4 GHz Bluetooth Ant 1                                         | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 9   | 1x CDMA voice + 2.4 GHz Bluetooth Ant 2                                         | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 10  | 1x CDMA voice + 5 GHz WLAN Ant 1                                                | Yes              | Yes                 | N/A              | Yes     |                                                |
| 11  | 1x CDMA voice + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN Ant 1                      | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 12  | 1x CDMA voice + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN Ant 1                      | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 13  | 1x CDMA voice + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN Ant 1 | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 14  | GSM voice + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO                                 | Yes              | Yes                 | N/A              | Yes     |                                                |
| 15  | GSM voice + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN MIMO      | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 16  | GSM voice + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2                        | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 17  | GSM voice + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN MIMO                           | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 18  | GSM voice + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN MIMO                           | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 19  | GSM voice + 5 GHz WLAN MIMO                                                     | Yes              | Yes                 | N/A              | Yes     |                                                |
| 20  | GSM voice + 2.4 GHz WLAN MIMO                                                   | Yes              | Yes                 | N/A              | Yes     |                                                |
| 21  | GSM voice + 2.4 GHz Bluetooth Ant 1                                             | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 22  | GSM voice + 2.4 GHz Bluetooth Ant 2                                             | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 23  | GSM voice + 5 GHz WLAN Ant 1                                                    | Yes              | Yes                 | N/A              | Yes     |                                                |
| 24  | GSM voice + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN Ant 1                          | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 25  | GSM voice + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN Ant 1                          | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 26  | GSM voice + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN Ant 1     | Yes <sup>^</sup> | Yes                 | N/A              | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 27  | UMTS + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO                                      | Yes              | Yes                 | Yes              | Yes     |                                                |
| 28  | UMTS + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN MIMO           | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 29  | UMTS + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2                             | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 30  | UMTS + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN MIMO                                | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 31  | UMTS + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN MIMO                                | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 32  | UMTS + 5 GHz WLAN MIMO                                                          | Yes              | Yes                 | Yes              | Yes     |                                                |
| 33  | UMTS + 2.4 GHz WLAN MIMO                                                        | Yes              | Yes                 | Yes              | Yes     |                                                |
| 34  | UMTS + 2.4 GHz Bluetooth Ant 1                                                  | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 35  | UMTS + 2.4 GHz Bluetooth Ant 2                                                  | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 36  | UMTS + 5 GHz WLAN Ant 1                                                         | Yes              | Yes                 | Yes              | Yes     |                                                |
| 37  | UMTS + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN Ant 1                               | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 38  | UMTS + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN Ant 1                               | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 39  | UMTS + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN Ant 1          | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 40  | LTE + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO                                       | Yes              | Yes                 | Yes              | Yes     |                                                |
| 41  | LTE + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN MIMO            | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 42  | LTE + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2                              | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 43  | LTE + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN MIMO                                 | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 44  | LTE + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN MIMO                                 | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 45  | LTE + 5 GHz WLAN MIMO                                                           | Yes              | Yes                 | Yes              | Yes     |                                                |
| 46  | LTE + 2.4 GHz WLAN MIMO                                                         | Yes              | Yes                 | Yes              | Yes     |                                                |
| 47  | LTE + 2.4 GHz Bluetooth Ant 1                                                   | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 48  | LTE + 2.4 GHz Bluetooth Ant 2                                                   | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 49  | LTE + 5 GHz WLAN Ant 1                                                          | Yes              | Yes                 | Yes              | Yes     |                                                |
| 50  | LTE + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN Ant 1                                | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 51  | LTE + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN Ant 1                                | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |
| 52  | LTE + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN Ant 1           | Yes <sup>^</sup> | Yes                 | Yes <sup>^</sup> | Yes     | <sup>^</sup> Bluetooth Tethering is considered |

|                                                    |                                                                                                                                                                                                                |                                      |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset | Page 17 of 337                         |

| No. | Capable Transmit Configuration                                                   | Head  | Body-Worn Accessory | Wireless Router | Phablet | Notes                                                                                    |
|-----|----------------------------------------------------------------------------------|-------|---------------------|-----------------|---------|------------------------------------------------------------------------------------------|
| 53  | LTE + NR                                                                         | Yes   | Yes                 | N/A             | Yes     |                                                                                          |
| 54  | LTE + NR + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO                                   | Yes   | Yes                 | Yes             | Yes     |                                                                                          |
| 55  | LTE + NR + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN MIMO        | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 56  | LTE + NR + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2                          | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 57  | LTE + NR + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN MIMO                             | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 58  | LTE + NR + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN MIMO                             | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 59  | LTE + NR + 5 GHz WLAN MIMO                                                       | Yes   | Yes                 | Yes             | Yes     |                                                                                          |
| 60  | LTE + NR + 2.4 GHz WLAN MIMO                                                     | Yes   | Yes                 | Yes             | Yes     |                                                                                          |
| 61  | LTE + NR + 2.4 GHz Bluetooth Ant 1                                               | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 62  | LTE + NR + 2.4 GHz Bluetooth Ant 2                                               | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 63  | LTE + NR + 5 GHz WLAN Ant 1                                                      | Yes   | Yes                 | Yes             | Yes     |                                                                                          |
| 64  | LTE + NR + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN Ant 1                            | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 65  | LTE + NR + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN Ant 1                            | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 66  | LTE + NR + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN Ant 1       | Yes^  | Yes                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 67  | NR + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO                                         | Yes*  | Yes*                | Yes             | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 68  | NR + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN MIMO              | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 69  | NR + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2                                | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 70  | NR + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN MIMO                                   | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 71  | NR + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN MIMO                                   | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 72  | NR + 5 GHz WLAN MIMO                                                             | Yes*  | Yes*                | Yes             | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 73  | NR + 2.4 GHz WLAN MIMO                                                           | Yes*  | Yes*                | Yes             | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 74  | NR + 2.4 GHz Bluetooth Ant 1                                                     | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 75  | NR + 2.4 GHz Bluetooth Ant 2                                                     | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 76  | NR + 5 GHz WLAN Ant 1                                                            | Yes*  | Yes*                | Yes             | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 77  | NR + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN Ant 1                                  | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 78  | NR + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN Ant 1                                  | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 79  | NR + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN Ant 1             | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 80  | CDMA/EVDO data + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO                             | Yes*  | Yes*                | Yes             | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 81  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN MIMO  | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 82  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2                    | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 83  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN MIMO                       | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 84  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN MIMO                       | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 85  | CDMA/EVDO data + 5 GHz WLAN MIMO                                                 | Yes*  | Yes*                | Yes             | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 86  | CDMA/EVDO data + 2.4 GHz WLAN MIMO                                               | Yes*  | Yes*                | Yes             | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 87  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 1                                         | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 88  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 2                                         | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 89  | CDMA/EVDO data + 5 GHz WLAN Ant 1                                                | Yes*  | Yes*                | Yes             | Yes     | * Pre-installed VOIP applications are considered.                                        |
| 90  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN Ant 1                      | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 91  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN Ant 1                      | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 92  | CDMA/EVDO data + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN Ant 1 | Yes^* | Yes*                | Yes^            | Yes     | * Pre-installed VOIP applications are considered.<br>^ Bluetooth Tethering is considered |
| 93  | GPRS/EDGE + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO                                  | N/A   | N/A                 | Yes             | Yes     |                                                                                          |
| 94  | GPRS/EDGE + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN MIMO       | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 95  | GPRS/EDGE + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2                         | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 96  | GPRS/EDGE + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN MIMO                            | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 97  | GPRS/EDGE + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN MIMO                            | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 98  | GPRS/EDGE + 5 GHz WLAN MIMO                                                      | N/A   | N/A                 | Yes             | Yes     |                                                                                          |
| 99  | GPRS/EDGE + 2.4 GHz WLAN MIMO                                                    | N/A   | N/A                 | Yes             | Yes     |                                                                                          |
| 100 | GPRS/EDGE + 2.4 GHz Bluetooth Ant 1                                              | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 101 | GPRS/EDGE + 2.4 GHz Bluetooth Ant 2                                              | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 102 | GPRS/EDGE + 5 GHz WLAN Ant 1                                                     | N/A   | N/A                 | Yes             | Yes     |                                                                                          |
| 103 | GPRS/EDGE + 2.4 GHz Bluetooth Ant 1 + 5 GHz WLAN Ant 1                           | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 104 | GPRS/EDGE + 2.4 GHz Bluetooth Ant 2 + 5 GHz WLAN Ant 1                           | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |
| 105 | GPRS/EDGE + 2.4 GHz Bluetooth Ant 1 + 2.4 GHz WLAN Ant 2 + 5 GHz WLAN Ant 1      | N/A   | N/A                 | Yes^            | Yes     | ^ Bluetooth Tethering is considered                                                      |

- 2.4 GHz WLAN and 2.4 GHz Bluetooth share the same antenna path and cannot transmit simultaneously.
- All licensed modes share the same antenna path and cannot transmit simultaneously.
- When the user utilizes multiple services in UMTS 3G mode it uses multi-Radio Access Bearer or multi-RAB. The power control is based on a physical control channel (Dedicated Physical Control Channel [DPCCH]) and power control will be adjusted to meet the needs of both services. Therefore, the UMTS+WLAN scenario also represents the UMTS Voice/DATA + WLAN Hotspot scenario.

|                                             |                                    |                                                                                                                                                                                                        |  |                                 |
|---------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|
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4. Per the manufacturer, WIFI Direct is not expected to be used in conjunction with a held-to-ear or body-worn accessory voice call. Therefore, there are no simultaneous transmission scenarios involving WIFI direct beyond that listed in the above table.
5. 5 GHz Wireless Router is only supported for the U-NII-3 by S/W, therefore U-NII-1, U-NII2A, and U-NII2C were not evaluated for wireless router conditions.
6. This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac/ax. 802.11a/g/n/ac/ax supports CDD and STBC and 802.11n/ac/ax additionally supports SDM. 2.4 GHz WLAN antenna can transmit independently or together when operating with MIMO.
7. This device supports VoWIFI.
8. This device supports Bluetooth Tethering.
9. This device supports VoLTE.
10. LTE + 5G NR FR1 Scenarios are limited to EN-DC combinations with anchor bands as shown in the NR FR1 checklist.
11. 5G NR FR2 n260 and n261 cannot transmit simultaneously.
12. LTE + 5G NR FR2 Scenarios are limited to EN-DC combinations with anchor bands as shown in the NR FR2 checklist.

## 1.8 Miscellaneous SAR Test Considerations

When on the device dimensions when closed, hotspot SAR in the closed configuration was performed at 5mm per KDB Publication 941225 D06v02r01.

There are two WIFI Variants for this model referenced as Variant N and Variant P in this report. Both variants were fully tested for BT/WLAN SAR conditions.

### (A) WIFI/BT

Since U-NII-1 and U-NII-2A bands have the same maximum output power and the highest reported SAR for U-NII-2A is less than 1.2 W/kg, SAR is not required for U-NII-1 band according to FCC KDB Publication 248227 D01v02r02.

Since Wireless Router operations are not allowed by the chipset firmware using U-NII-1, U-NII-2A & U-NII-2C WIFI, only 2.4 GHz WLAN, 2.4 GHz Bluetooth and U-NII-3 WIFI Hotspot SAR tests and combinations are considered for SAR with respect to Wireless Router configurations according to FCC KDB 941225 D06v02r01.

This device supports IEEE 802.11ax with the following features:

- a) Up to 80 MHz Bandwidth only for 5 GHz
- b) Up to 20 MHz Bandwidth only for 2.4 GHz
- c) No aggregate channel configurations
- d) 2 Tx antenna output
- e) Up to 1024 QAM is supported
- f) TDWR and Band gap channels are supported for 5 GHz
- g) MU-MIMO UL Operations are not supported

Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is greater than 160mm and less than 200mm. Phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg. Because wireless router operations are not supported for U-NII-1, U-NII-2A & U-NII-2C WLAN, phablet SAR tests were performed. Phablet SAR was not evaluated for 2.4 GHz WLAN, 2.4 GHz Bluetooth, and U-NII-3 WLAN operations since wireless router 1g SAR was < 1.2 W/kg.

Per April 2019 TCB Workshop Notes, SAR testing was not required for 802.11ax when applying the initial test configuration procedures of KDB 248227, with 802.11ax considered a higher order 802.11 mode.

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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## (B) Licensed Transmitter(s)

GSM/GPRS/EDGE DTM is not supported for US bands. Therefore, the GSM Voice modes in this report do not transmit simultaneously with GPRS/EDGE Data.

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional SAR tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03r01.

LTE SAR for the higher modulations and lower bandwidths were not tested since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth; and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg for all configurations according to FCC KDB 941225 D05v02r04.

CDMA 1X Advanced technology was not required for SAR since the maximum allowed output powers for 1x Advanced was not more than 0.25 dB higher than the maximum powers for 1x and the measured SAR in any 1x mode exposure conditions was not greater than 1.2 W/kg per FCC KDB Publication 941225 D01v03r01.

This device supports LTE Carrier Aggregation (CA) in the downlink. All uplink communications are identical to Release 8 specifications. Per FCC KDB Publication 941225 D05A v01r02, SAR for LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive. The downlink carrier aggregation exclusion analysis can be found in Appendix F.

Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is greater than 160mm and less than 200mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg.

This device supports downlink 4x4 MIMO operations for some LTE Bands. Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

This device supports LTE/NR capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE/NR Band falls completely within an LTE/NR band with a larger transmission frequency range, both LTE/NR bands have the same target power (or the band with the larger transmission frequency range has a higher target power), and both LTE/NR bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

This device supports both Power Class 2 (PC2) and Power Class 3 (PC3) for LTE Band 41. Per May 2017 TCB Workshop Notes, SAR tests were performed with Power Class 3 (given the specific UL/DL limitations for Power Class 2). Additionally, SAR testing for the power class 2 condition was evaluated for the highest configuration in Power Class 3 for each test configuration to confirm the results were scalable linearly (See Section 14)

This device supports 5G NR for Bands n260, and n261. RF Exposure assessment and simultaneous transmission analysis for these bands can be found in the Near Field PD Report (report SN can be found in Section 1.11 – Bibliography).

NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.

This device supports LTE Carrier Aggregation (CA) for LTE Band 41, LTE Band 5, LTE Band 66, and LTE Band 48 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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## 1.9 Guidance Applied

- IEEE 1528-2013
- FCC KDB Publication 941225 D01v03r01, D05v02r04, D05Av01r02, D06v02r01 (2G/3G/4G and Hotspot)
- FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D01v06 (General SAR Guidance)
- FCC KDB Publication 865664 D01v01r04, D02v01r02 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 648474 D04v01r03 (Phablet Procedures)
- FCC KDB Publication 616217 D04v01r02 (Proximity Sensor)
- October 2013 TCB Workshop Notes (GPRS Testing Considerations)
- May 2017 TCB Workshop Notes (LTE 4x4 Downlink MIMO, LTE Band 41 Power Class 2/3)
- April 2018 TCB Workshop Notes (LTE Carrier Aggregation)
- April 2019 TCB Workshop Notes (IEEE 802.11ax, Dynamic Antenna Tuning)

## 1.10 Device Serial Numbers

Several samples with identical hardware were used to support SAR testing. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units. The serial numbers used for each test are indicated alongside the results in Section 11.

## 1.11 Bibliography

| Report Type                           | Report Serial Number |
|---------------------------------------|----------------------|
| PD Exposure Part 0 Test Report        | Revision A           |
| Near Field PD Report (Part 1)         | 1M2104070032-23.A3L  |
| RF Exposure Part 0 Test Report        | 1M2104070032-25.A3L  |
| RF Exposure Part 2 Test Report        | 1M2104070031-21.A3L  |
| RF Exposure Compliance Summary Report | 1M2104070032-24.A3L  |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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| LTE Information                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                |                |                 |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|-----------------|
| Form Factor                                                                                                       | Portable Handset                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
| Frequency Range of each LTE transmission band                                                                     | LTE Band 71 (665.5 - 695.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                         |                |                |                |                 |
|                                                                                                                   | LTE Band 12 (699.7 - 715.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                         |                |                |                |                 |
|                                                                                                                   | LTE Band 13 (779.5 - 784.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                         |                |                |                |                 |
|                                                                                                                   | LTE Band 14 (790.5 - 795.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                         |                |                |                |                 |
|                                                                                                                   | LTE Band 26 (Cell) (814.7 - 848.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                 |
|                                                                                                                   | LTE Band 5 (Cell) (824.7 - 848.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                |                 |
|                                                                                                                   | LTE Band 66 (AWS) (1710.7 - 1779.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                |                 |
|                                                                                                                   | LTE Band 4 (AWS) (1710.7 - 1754.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                 |
|                                                                                                                   | LTE Band 25 (PCS) (1850.7 - 1914.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                |                 |
|                                                                                                                   | LTE Band 2 (PCS) (1850.7 - 1909.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                 |
|                                                                                                                   | LTE Band 30 (2307.5 - 2312.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                |                 |
|                                                                                                                   | LTE Band 7 (2502.5 - 2567.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   | LTE Band 48 (3552.5 - 3697.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                |                 |
|                                                                                                                   | LTE Band 41 (2498.5 - 2687.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                |                 |
|                                                                                                                   | LTE Band 38 (2572.5 - 2617.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                |                 |
|                                                                                                                   | LTE Band 71: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
|                                                                                                                   | LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
|                                                                                                                   | LTE Band 13: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
|                                                                                                                   | LTE Band 14: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
|                                                                                                                   | LTE Band 26 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz                                                                                                                                                                                                                                                                                                                                                                               |                |                |                |                 |
| Channel Bandwidths                                                                                                | LTE Band 5 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   | LTE Band 66 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   | LTE Band 4 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                         |                |                |                |                 |
|                                                                                                                   | LTE Band 25 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                        |                |                |                |                 |
|                                                                                                                   | LTE Band 2 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                         |                |                |                |                 |
|                                                                                                                   | LTE Band 30: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
|                                                                                                                   | LTE Band 7: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                |                 |
|                                                                                                                   | LTE Band 48: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
|                                                                                                                   | LTE Band 41: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
|                                                                                                                   | LTE Band 38: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
| Channel Numbers and Frequencies (MHz)                                                                             | Low                                                                                                                                                                                                                                                                                                                                                                                                                                     | Low-Mid        | Mid            | Mid-High       | High            |
| LTE Band 71: 5 MHz                                                                                                | 665.5 (133147)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 690.5 (133297) |                | 695.5 (133447)  |
| LTE Band 71: 10 MHz                                                                                               | 668 (133172)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 690.5 (133297) |                | 693 (133422)    |
| LTE Band 71: 15 MHz                                                                                               | 670.5 (133197)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 690.5 (133297) |                | 690.5 (133397)  |
| LTE Band 71: 20 MHz                                                                                               | 673 (133222)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 690.5 (133297) |                | 688 (133372)    |
| LTE Band 12: 1.4 MHz                                                                                              | 699.7 (23017)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 707.5 (23095)  |                | 715.3 (23173)   |
| LTE Band 12: 3 MHz                                                                                                | 700.5 (23025)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 707.5 (23095)  |                | 714.5 (23165)   |
| LTE Band 12: 5 MHz                                                                                                | 701.5 (23035)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 707.5 (23095)  |                | 713.5 (23155)   |
| LTE Band 12: 10 MHz                                                                                               | 704 (23060)                                                                                                                                                                                                                                                                                                                                                                                                                             |                | 707.5 (23095)  |                | 711 (23130)     |
| LTE Band 13: 5 MHz                                                                                                | 779.5 (23205)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 782 (23230)    |                | 784.5 (23255)   |
| LTE Band 13: 10 MHz                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 782 (23230)    |                | N/A             |
| LTE Band 14: 5 MHz                                                                                                | 790.5 (23305)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 793 (23330)    |                | 795.5 (23355)   |
| LTE Band 14: 10 MHz                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 793 (23330)    |                | N/A             |
| LTE Band 26 (Cell): 1.4 MHz                                                                                       | 814.7 (26697)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 831.5 (26865)  |                | 848.3 (27033)   |
| LTE Band 26 (Cell): 3 MHz                                                                                         | 815.5 (26705)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 831.5 (26865)  |                | 847.5 (27025)   |
| LTE Band 26 (Cell): 5 MHz                                                                                         | 816.5 (26715)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 831.5 (26865)  |                | 846.5 (27015)   |
| LTE Band 26 (Cell): 10 MHz                                                                                        | 819 (26740)                                                                                                                                                                                                                                                                                                                                                                                                                             |                | 831.5 (26865)  |                | 844 (26990)     |
| LTE Band 26 (Cell): 15 MHz                                                                                        | 821.5 (26765)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 831.5 (26865)  |                | 841.5 (26965)   |
| LTE Band 5 (Cell): 1.4 MHz                                                                                        | 824.7 (20407)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 836.5 (20525)  |                | 848.3 (20643)   |
| LTE Band 5 (Cell): 3 MHz                                                                                          | 825.5 (20415)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 836.5 (20525)  |                | 847.5 (20635)   |
| LTE Band 5 (Cell): 5 MHz                                                                                          | 826.5 (20425)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 836.5 (20525)  |                | 846.5 (20625)   |
| LTE Band 5 (Cell): 10 MHz                                                                                         | 829 (20450)                                                                                                                                                                                                                                                                                                                                                                                                                             |                | 836.5 (20525)  |                | 844 (20600)     |
| LTE Band 66 (AWS): 1.4 MHz                                                                                        | 1710.7 (131979)                                                                                                                                                                                                                                                                                                                                                                                                                         |                | 1745 (132322)  |                | 1779.3 (132665) |
| LTE Band 66 (AWS): 3 MHz                                                                                          | 1711.5 (131987)                                                                                                                                                                                                                                                                                                                                                                                                                         |                | 1745 (132322)  |                | 1778.5 (132657) |
| LTE Band 66 (AWS): 5 MHz                                                                                          | 1712.5 (131997)                                                                                                                                                                                                                                                                                                                                                                                                                         |                | 1745 (132322)  |                | 1777.5 (132647) |
| LTE Band 66 (AWS): 10 MHz                                                                                         | 1715 (132022)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 1745 (132322)  |                | 1775 (132622)   |
| LTE Band 66 (AWS): 15 MHz                                                                                         | 1717.5 (132047)                                                                                                                                                                                                                                                                                                                                                                                                                         |                | 1745 (132322)  |                | 1772.5 (132597) |
| LTE Band 66 (AWS): 20 MHz                                                                                         | 1720 (132072)                                                                                                                                                                                                                                                                                                                                                                                                                           |                | 1745 (132322)  |                | 1770 (132572)   |
| LTE Band 4 (AWS): 1.4 MHz                                                                                         | 1710.7 (19957)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1732.5 (20175) |                | 1754.3 (20393)  |
| LTE Band 4 (AWS): 3 MHz                                                                                           | 1711.5 (19965)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1732.5 (20175) |                | 1753.5 (20385)  |
| LTE Band 4 (AWS): 5 MHz                                                                                           | 1712.5 (19975)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1732.5 (20175) |                | 1752.5 (20375)  |
| LTE Band 4 (AWS): 10 MHz                                                                                          | 1715 (20000)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 1732.5 (20175) |                | 1750 (20350)    |
| LTE Band 4 (AWS): 15 MHz                                                                                          | 1717.5 (20025)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1732.5 (20175) |                | 1747.5 (20325)  |
| LTE Band 4 (AWS): 20 MHz                                                                                          | 1720 (20050)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 1732.5 (20175) |                | 1745 (20300)    |
| LTE Band 25 (PCS): 1.4 MHz                                                                                        | 1850.7 (26047)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1882.5 (26365) |                | 1914.3 (26683)  |
| LTE Band 25 (PCS): 3 MHz                                                                                          | 1851.5 (26055)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1882.5 (26365) |                | 1913.5 (26675)  |
| LTE Band 25 (PCS): 5 MHz                                                                                          | 1852.5 (26065)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1882.5 (26365) |                | 1912.5 (26665)  |
| LTE Band 25 (PCS): 10 MHz                                                                                         | 1855 (26090)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 1882.5 (26365) |                | 1910 (26640)    |
| LTE Band 25 (PCS): 15 MHz                                                                                         | 1857.5 (26115)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1882.5 (26365) |                | 1907.5 (26615)  |
| LTE Band 25 (PCS): 20 MHz                                                                                         | 1860 (26140)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 1882.5 (26365) |                | 1905 (26590)    |
| LTE Band 2 (PCS): 1.4 MHz                                                                                         | 1850.7 (19807)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1880 (18900)   |                | 1909.3 (19193)  |
| LTE Band 2 (PCS): 3 MHz                                                                                           | 1851.5 (19815)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1880 (18900)   |                | 1908.5 (19185)  |
| LTE Band 2 (PCS): 5 MHz                                                                                           | 1852.5 (19825)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1880 (18900)   |                | 1907.5 (19175)  |
| LTE Band 2 (PCS): 10 MHz                                                                                          | 1855 (19850)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 1880 (18900)   |                | 1905 (19150)    |
| LTE Band 2 (PCS): 15 MHz                                                                                          | 1857.5 (19875)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 1880 (18900)   |                | 1902.5 (19125)  |
| LTE Band 2 (PCS): 20 MHz                                                                                          | 1860 (18900)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 1880 (18900)   |                | 1900 (19100)    |
| LTE Band 30: 5 MHz                                                                                                | 2307.5 (27685)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 2310 (27710)   |                | 2312.5 (27735)  |
| LTE Band 30: 10 MHz                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | 2310 (27710)   |                | N/A             |
| LTE Band 7: 5 MHz                                                                                                 | 2502.5 (20775)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 2535 (21100)   |                | 2567.5 (21425)  |
| LTE Band 7: 10 MHz                                                                                                | 2505 (20800)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 2535 (21100)   |                | 2565 (21400)    |
| LTE Band 7: 15 MHz                                                                                                | 2507.5 (20825)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 2535 (21100)   |                | 2562.5 (21375)  |
| LTE Band 7: 20 MHz                                                                                                | 2510 (20850)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 2535 (21100)   |                | 2560 (21350)    |
| LTE Band 48: 5 MHz                                                                                                | 3552.5 (55265)                                                                                                                                                                                                                                                                                                                                                                                                                          | 3600.8 (55748) | N/A            | 3649.2 (56232) | 3697.5 (56715)  |
| LTE Band 48: 10 MHz                                                                                               | 3555 (55290)                                                                                                                                                                                                                                                                                                                                                                                                                            | 3601.7 (55757) | N/A            | 3648.3 (56223) | 3696 (56690)    |
| LTE Band 48: 15 MHz                                                                                               | 3557.5 (55315)                                                                                                                                                                                                                                                                                                                                                                                                                          | 3602.5 (55765) | N/A            | 3647.5 (56215) | 3692.5 (56665)  |
| LTE Band 48: 20 MHz                                                                                               | 3560 (55340)                                                                                                                                                                                                                                                                                                                                                                                                                            | 3603.3 (55773) | N/A            | 3646.7 (56207) | 3690 (56640)    |
| LTE Band 41: 5 MHz                                                                                                | 2508 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                            | 2549.5 (40185) | 2593 (40620)   | 2636.5 (41055) | 2680 (41490)    |
| LTE Band 41: 10 MHz                                                                                               | 2508 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                            | 2549.5 (40185) | 2593 (40620)   | 2636.5 (41055) | 2680 (41490)    |
| LTE Band 41: 15 MHz                                                                                               | 2508 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                            | 2549.5 (40185) | 2593 (40620)   | 2636.5 (41055) | 2680 (41490)    |
| LTE Band 41: 20 MHz                                                                                               | 2508 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                            | 2549.5 (40185) | 2593 (40620)   | 2636.5 (41055) | 2680 (41490)    |
| LTE Band 38: 5 MHz                                                                                                | 2572.5 (37775)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 2595 (38000)   |                | 2617.5 (38225)  |
| LTE Band 38: 10 MHz                                                                                               | 2575 (37800)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 2595 (38000)   |                | 2615 (38200)    |
| LTE Band 38: 15 MHz                                                                                               | 2577.5 (37825)                                                                                                                                                                                                                                                                                                                                                                                                                          |                | 2595 (38000)   |                | 2612.5 (38175)  |
| LTE Band 38: 20 MHz                                                                                               | 2580 (37850)                                                                                                                                                                                                                                                                                                                                                                                                                            |                | 2595 (38000)   |                | 2610 (38150)    |
| UE Category                                                                                                       | DL UE Cat 20, UL UE Cat 18                                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
| Modulations Supported in UL                                                                                       | QPSK, 16QAM, 64QAM, 256QAM                                                                                                                                                                                                                                                                                                                                                                                                              |                |                |                |                 |
| LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3-6.2.57 (manufacturer attestation to be provided) | YES                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                |                |                 |
| A-MPR (Additional MPR) disabled for SAR Testing?                                                                  | YES                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                |                |                 |
| LTE Carrier Aggregation Possible Combinations                                                                     | The technical description includes all the possible carrier aggregation combinations                                                                                                                                                                                                                                                                                                                                                    |                |                |                |                 |
| LTE Additional Information                                                                                        | This device does not support full CA features on 3GPP Release 16. It supports carrier aggregation, downlink MIMO, LAA features as shown in Section 9 and Appendix F. All uplink communications are identical to the Release 8 Specifications. Uplink communications are done on the PCC. The following LTE Release 16 Features are not supported: Relay, HetNet, Enhanced MIMO, eCIC, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA |                |                |                |                 |

FCC ID: A3LSMF711U



## SAR EVALUATION REPORT



Approved by:

Quality Manager

Document S/N:

Test Dates:

DUT Type:

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1M2104070032-01.A3L (Rev1)

04/08/21 – 06/03/21

Portable Handset



| NR Information                                   |                                                                                          |                  |                  |                  |                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|
| Form Factor                                      | Portable Handset                                                                         |                  |                  |                  |                  |
| Frequency Range of each NR transmission band     | NR Band n71 (665.5 - 695.5 MHz)                                                          |                  |                  |                  |                  |
|                                                  | NR Band n12 (701.5 - 713.5 MHz)                                                          |                  |                  |                  |                  |
|                                                  | NR Band n5 (Cell) (826.5 - 846.5 MHz)                                                    |                  |                  |                  |                  |
|                                                  | NR Band n66 (AWS) (1712.5 - 1777.5 MHz)                                                  |                  |                  |                  |                  |
|                                                  | NR Band n25 (PCS) (1852.5 - 1912.5 MHz)                                                  |                  |                  |                  |                  |
|                                                  | NR Band n2 (PCS) (1852.5 - 1907.5 MHz)                                                   |                  |                  |                  |                  |
|                                                  | NR Band n30 (2307.5 - 2312.5 MHz)                                                        |                  |                  |                  |                  |
|                                                  | NR Band n41 (2506.02 - 2679.99 MHz)                                                      |                  |                  |                  |                  |
|                                                  | NR Band n77 DoD (3460.02 - 3540 MHz)                                                     |                  |                  |                  |                  |
|                                                  | NR Band n71 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                |                  |                  |                  |                  |
| Channel Bandwidths                               | NR Band n12: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                               |                  |                  |                  |                  |
|                                                  | NR Band n5 (Cell): 5 MHz, 10 MHz, 15 MHz, 20 MHz                                         |                  |                  |                  |                  |
|                                                  | NR Band n66 (AWS): 5 MHz, 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz                         |                  |                  |                  |                  |
|                                                  | NR Band n25 (PCS): 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz                 |                  |                  |                  |                  |
|                                                  | NR Band n2 (PCS): 5 MHz, 10 MHz, 15 MHz, 20 MHz                                          |                  |                  |                  |                  |
|                                                  | NR Band n30: 5 MHz, 10 MHz                                                               |                  |                  |                  |                  |
|                                                  | NR Band n41: 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 80 MHz, 90 MHz, 100 MHz             |                  |                  |                  |                  |
|                                                  | NR Band n77 DoD: 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz |                  |                  |                  |                  |
|                                                  | NR Band n77: 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz     |                  |                  |                  |                  |
|                                                  | Channel Numbers and Frequencies (MHz)                                                    |                  |                  |                  |                  |
| NR Band n71: 5 MHz                               | 665.5 (133147)                                                                           |                  | 680.5 (136100)   |                  | 695.5 (133447)   |
| NR Band n71: 10 MHz                              | 668 (133600)                                                                             |                  | 680.5 (136100)   |                  | 693 (138600)     |
| NR Band n71: 15 MHz                              | 670.5 (134100)                                                                           |                  | 680.5 (136100)   |                  | 690.5 (138100)   |
| NR Band n71: 20 MHz                              | 673 (134600)                                                                             |                  | 680.5 (136100)   |                  | 688 (137600)     |
| NR Band n12: 5 MHz                               | 701.5 (140300)                                                                           |                  | 707.5 (141500)   |                  | 713.5 (142700)   |
| NR Band n12: 10 MHz                              | 704 (140800)                                                                             |                  | 707.5 (141500)   |                  | 711 (142200)     |
| NR Band n12: 15 MHz                              | 706.5 (141300)                                                                           |                  | 707.5 (141500)   |                  | 708.5 (141700)   |
| NR Band n5 (Cell): 5 MHz                         | 826.5 (165300)                                                                           |                  | 836.5 (167300)   |                  | 846.5 (169300)   |
| NR Band n5 (Cell): 10 MHz                        | 829 (165800)                                                                             |                  | 836.5 (167300)   |                  | 844 (168800)     |
| NR Band n5 (Cell): 15 MHz                        | 831.5 (166300)                                                                           |                  | 836.5 (167300)   |                  | 841.5 (168300)   |
| NR Band n5 (Cell): 20 MHz                        | 834 (166800)                                                                             |                  | 836.5 (167300)   |                  | 839 (167800)     |
| NR Band n66 (AWS): 5 MHz                         | 1712.5 (342500)                                                                          |                  | 1745 (349000)    |                  | 1777.5 (355500)  |
| NR Band n66 (AWS): 10 MHz                        | 1715 (343000)                                                                            |                  | 1745 (349000)    |                  | 1775 (355000)    |
| NR Band n66 (AWS): 15 MHz                        | 1717.5 (343500)                                                                          |                  | 1745 (349000)    |                  | 1772.5 (354500)  |
| NR Band n66 (AWS): 20 MHz                        | 1720 (344000)                                                                            |                  | 1745 (349000)    |                  | 1770 (354000)    |
| NR Band n66 (AWS): 30 MHz                        | 1725 (345000)                                                                            |                  | 1745 (349000)    |                  | 1765 (353000)    |
| NR Band n66 (AWS): 40 MHz                        | 1730 (346000)                                                                            |                  | 1745 (349000)    |                  | 1760 (352000)    |
| NR Band n25 (PCS): 5 MHz                         | 1852.5 (370500)                                                                          |                  | 1882.5 (376500)  |                  | 1912.5 (382500)  |
| NR Band n25 (PCS): 10 MHz                        | 1855 (371000)                                                                            |                  | 1882.5 (376500)  |                  | 1910 (382000)    |
| NR Band n25 (PCS): 15 MHz                        | 1857.5 (371500)                                                                          |                  | 1882.5 (376500)  |                  | 1907.5 (381500)  |
| NR Band n25 (PCS): 20 MHz                        | 1860 (372000)                                                                            |                  | 1882.5 (376500)  |                  | 1905 (381000)    |
| NR Band n25 (PCS): 25 MHz                        | 1862.5 (372500)                                                                          |                  | 1882.5 (376500)  |                  | 1902.5 (380500)  |
| NR Band n25 (PCS): 30 MHz                        | 1865 (373000)                                                                            |                  | 1882.5 (376500)  |                  | 1900 (380000)    |
| NR Band n25 (PCS): 40 MHz                        | 1870 (374000)                                                                            |                  | 1882.5 (376500)  |                  | 1895 (379000)    |
| NR Band n2 (PCS): 5 MHz                          | 1852.5 (370500)                                                                          |                  | 1880 (376000)    |                  | 1907.5 (381500)  |
| NR Band n2 (PCS): 10 MHz                         | 1855 (371000)                                                                            |                  | 1880 (376000)    |                  | 1905 (381000)    |
| NR Band n2 (PCS): 15 MHz                         | 1857.5 (371500)                                                                          |                  | 1880 (376000)    |                  | 1902.5 (380500)  |
| NR Band n2 (PCS): 20 MHz                         | 1860 (372000)                                                                            |                  | 1880 (376000)    |                  | 1900 (380000)    |
| NR Band n30: 5 MHz                               | 2307.5 (461500)                                                                          |                  | 2310 (462000)    |                  | 2312.5 (462500)  |
| NR Band n30: 10 MHz                              | N/A                                                                                      |                  | 2310 (462000)    |                  | N/A              |
| NR Band n41: 20 MHz                              | 2506.02 (501204)                                                                         | 2549.49 (509898) | 2592.99 (518598) | 2636.49 (527298) | 2679.99 (535998) |
| NR Band n41: 30 MHz                              | 2511 (502200)                                                                            | 2552.01 (510402) | 2592.99 (518598) | 2634 (526800)    | 2674.98 (534996) |
| NR Band n41: 40 MHz                              | 2516.01 (503202)                                                                         | 2567.34 (513468) | N/A              | 2618.67 (523734) | 2670 (534000)    |
| NR Band n41: 50 MHz                              | 2521.02 (504204)                                                                         |                  | 2592.99 (518598) |                  | 2664.99 (532998) |
| NR Band n41: 60 MHz                              | 2526 (505200)                                                                            |                  | 2592.99 (518598) |                  | 2659.98 (531996) |
| NR Band n41: 80 MHz                              | 2536.02 (507204)                                                                         |                  | N/A              |                  | 2649.99 (529998) |
| NR Band n41: 90 MHz                              | 2541 (508200)                                                                            |                  | N/A              |                  | 2644.98 (528996) |
| NR Band n41: 100 MHz                             | 2546.01 (509202)                                                                         |                  | 2592.99 (518598) |                  | 2640 (528000)    |
| NR Band n77 DoD: 20 MHz                          | 3460.02 (630668)                                                                         |                  | 3500.01 (633334) |                  | 3540 (636000)    |
| NR Band n77 DoD: 30 MHz                          | 3465 (631000)                                                                            |                  | 3500.01 (633334) |                  | 3534.99 (635666) |
| NR Band n77 DoD: 40 MHz                          | 3470.01 (631334)                                                                         |                  | N/A              |                  | 3529.98 (635332) |
| NR Band n77 DoD: 50 MHz                          | 3475.02 (631668)                                                                         |                  | N/A              |                  | 3525 (635000)    |
| NR Band n77 DoD: 60 MHz                          | N/A                                                                                      |                  | 3500.01 (633334) |                  | N/A              |
| NR Band n77 DoD: 70 MHz                          | N/A                                                                                      |                  | 3500.01 (633334) |                  | N/A              |
| NR Band n77 DoD: 80 MHz                          | N/A                                                                                      |                  | 3500.01 (633334) |                  | N/A              |
| NR Band n77 DoD: 90 MHz                          | N/A                                                                                      |                  | 3500.01 (633334) |                  | N/A              |
| NR Band n77 DoD: 100 MHz                         | N/A                                                                                      |                  | 3500.01 (633334) |                  | N/A              |
| NR Band n77: 20 MHz                              | 3710.01 (647334)                                                                         | 3762 (650800)    | 3813.99 (654266) | 3866.01 (657734) | 3918 (661200)    |
| NR Band n77: 30 MHz                              | 3715.02 (647668)                                                                         | 3765 (651000)    | 3815.01 (654334) | 3864.99 (657666) | 3915 (661000)    |
| NR Band n77: 40 MHz                              | 3720 (648000)                                                                            | 3768 (651200)    | 3816 (654400)    | 3864 (657600)    | 3912 (660800)    |
| NR Band n77: 50 MHz                              | 3725.01 (648334)                                                                         | 3782.49 (652166) | 3840 (656000)    |                  | 3897.51 (659834) |
| NR Band n77: 60 MHz                              | 3730.02 (648668)                                                                         | 3803.34 (653556) | N/A              |                  | 3876.66 (658444) |
| NR Band n77: 70 MHz                              | 3735 (649000)                                                                            | 3804.99 (653666) | N/A              |                  | 3875.01 (658334) |
| NR Band n77: 80 MHz                              | 3740.01 (649334)                                                                         | N/A              | 3840 (656000)    |                  | 3939.99 (662666) |
| NR Band n77: 90 MHz                              | 3745.02 (649668)                                                                         | N/A              | 3840 (656000)    |                  | 3934.98 (662332) |
| NR Band n77: 100 MHz                             | 3750 (650000)                                                                            | N/A              | N/A              |                  | 3930 (662000)    |
| SCS for NR Band n71/n12/n5/n66/n25/n2/n30        | 15 kHz                                                                                   |                  |                  |                  |                  |
| SCS for NR Band n41/n77                          | 30 kHz                                                                                   |                  |                  |                  |                  |
| Modulations Supported in UL                      | DFT-s-OFDM: 11/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM                                        |                  |                  |                  |                  |
|                                                  | CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM                                                      |                  |                  |                  |                  |
| A-MPR (Additional MPR) disabled for SAR Testing? | YES                                                                                      |                  |                  |                  |                  |
| EN-DC Carrier Aggregation Possible Combinations  | The technical description includes all the possible carrier aggregation combinations     |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n71                 | LTE Band 66/2                                                                            |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n12                 | LTE Band 66/2                                                                            |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n5 (Cell)           | LTE Band 66/2/30/48                                                                      |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n66 (AWS)           | LTE Band 2/5/12/13/14/30/48                                                              |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n25 (PCS)           | LTE Band 12/66                                                                           |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n2 (PCS)            | LTE Band 5/12/13/14/30/48/66                                                             |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n30                 | LTE Band 12/14/5                                                                         |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n41                 | LTE Band 12/66/25/241                                                                    |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n77 DoD/n77         | LTE Band 2/5/12/13/14/30/66                                                              |                  |                  |                  |                  |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 23 of 337                  |

### 3 INTRODUCTION

The FCC and Innovation, Science, and Economic Development Canada have adopted the guidelines for evaluating the environmental effects of radio frequency (RF) radiation in ET Docket 93-62 on Aug. 6, 1996 and Health Canada Safety Code 6 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices. [1]

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz [3] and Health Canada RF Exposure Guidelines Safety Code 6 [22]. The measurement procedure described in IEEE/ANSI C95.3-2002 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave [4] is used for guidance in measuring the Specific Absorption Rate (SAR) due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the International Committee for Non-Ionizing Radiation Protection (ICNIRP) in Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields,” Report No. Vol 74. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

#### 3.1 SAR Definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Equation 3-1).

##### Equation 3-1

##### SAR Mathematical Equation

$$SAR = \frac{d}{dt} \left( \frac{dU}{dm} \right) = \frac{d}{dt} \left( \frac{dU}{\rho dv} \right)$$

SAR is expressed in units of Watts per Kilogram (W/kg).

$$SAR = \frac{\sigma \cdot E^2}{\rho}$$

where:

- σ = conductivity of the tissue-simulating material (S/m)
- ρ = mass density of the tissue-simulating material (kg/m<sup>3</sup>)
- E = Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relation to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.[6]

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 24 of 337                         |



## 4 DOSIMETRIC ASSESSMENT

### 4.1 Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013:

1. The SAR distribution at the exposed side of the head or body was measured at a distance no greater than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the device-head and body interface and the horizontal grid resolution was determined per FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013.
2. The point SAR measurement was taken at the maximum SAR region determined from Step 1 to enable the monitoring of SAR fluctuations/drifts during the 1g/10g cube evaluation. SAR at this fixed point was measured and used as a reference value.
3. Based on the area scan data, the peak of the region with maximum SAR was determined by spline interpolation. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (see references or the DASY manual online for more details):
  - a. SAR values at the inner surface of the phantom are extrapolated from the measured values along the line away from the surface with spacing no greater than that in Table 4-1. The extrapolation was based on a least-squares algorithm. A polynomial of the fourth order was calculated through the points in the z-axis (normal to the phantom shell).
  - b. After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were obtained through interpolation, in order to calculate the averaged SAR.
  - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan was complete to calculate the SAR drift. If the drift deviated by more than 5%, the SAR test and drift measurements were repeated.

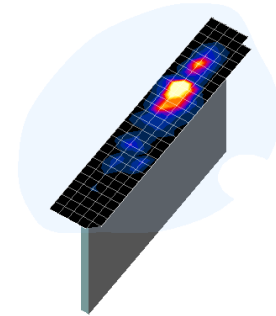


**Figure 4-1**  
**Sample SAR Area Scan**

**Table 4-1**

**Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04\***

| Frequency | Maximum Area Scan Resolution (mm)<br>( $\Delta x_{\text{area}}, \Delta y_{\text{area}}$ ) | Maximum Zoom Scan Resolution (mm)<br>( $\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}}$ ) | Maximum Zoom Scan Spatial Resolution (mm) |                             |                                      | Minimum Zoom Scan Volume (mm)<br>(x,y,z) |
|-----------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------|--------------------------------------|------------------------------------------|
|           |                                                                                           |                                                                                           | Uniform Grid                              | Graded Grid                 |                                      |                                          |
|           |                                                                                           |                                                                                           |                                           | $\Delta z_{\text{zoom}}(n)$ | $\Delta z_{\text{zoom}}(1)^*$        |                                          |
| ≤ 2 GHz   | ≤ 15                                                                                      | ≤ 8                                                                                       | ≤ 5                                       | ≤ 4                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 30                                     |
| 2-3 GHz   | ≤ 12                                                                                      | ≤ 5                                                                                       | ≤ 5                                       | ≤ 4                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 30                                     |
| 3-4 GHz   | ≤ 12                                                                                      | ≤ 5                                                                                       | ≤ 4                                       | ≤ 3                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 28                                     |
| 4-5 GHz   | ≤ 10                                                                                      | ≤ 4                                                                                       | ≤ 3                                       | ≤ 2.5                       | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 25                                     |
| 5-6 GHz   | ≤ 10                                                                                      | ≤ 4                                                                                       | ≤ 2                                       | ≤ 2                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 22                                     |

\*Also compliant to IEEE 1528-2013 Table 6

|                                             |                                                                                                                                                                                                        |                               |                                 |
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## 5 DEFINITION OF REFERENCE POINTS

### 5.1 EAR REFERENCE POINT

Figure 5-2 shows the front, back and side views of the SAM Twin Phantom. The point “M” is the reference point for the center of the mouth, “LE” is the left ear reference point (ERP), and “RE” is the right ERP. The ERP is 15mm posterior to the entrance to the ear canal (EEC) along the B-M line (Back-Mouth), as shown in Figure 5-1. The plane passing through the two ear canals and M is defined as the Reference Plane. The line N-F (Neck-Front), also called the Reference Pivoting Line, is not perpendicular to the reference plane (see Figure 5-1). Line B-M is perpendicular to the N-F line. Both N-F and B-M lines are marked on the external phantom shell to facilitate handset positioning [5].

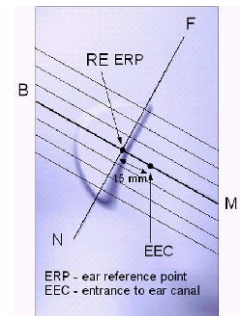


**Figure 5-1**  
Close-Up Side view  
of ERP

### 5.2 HANDSET REFERENCE POINTS

Two imaginary lines on the handset were established: the vertical centerline and the horizontal line. The test device was placed in a normal operating position with the acoustic output located along the “vertical centerline” on the front of the device aligned to the “ear reference point” (See Figure 5-3). The acoustic output was then located at the same level as the center of the ear reference point. The test device was positioned so that the “vertical centerline” was bisecting the front surface of the handset at its top and bottom edges, positioning the “ear reference point” on the outer surface of the both the left and right head phantoms on the ear reference point.



**Figure 5-2**  
Front, back and side view of SAM Twin Phantom

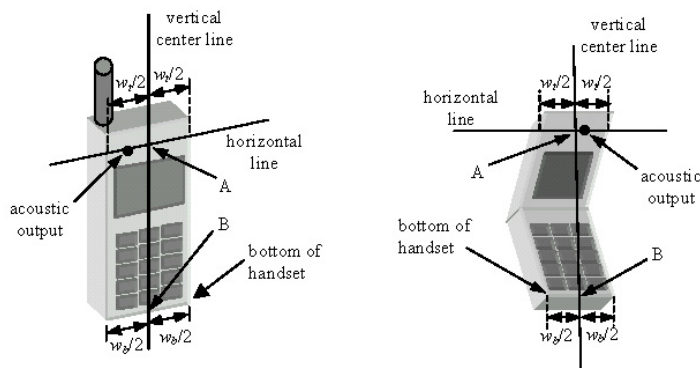


**Figure 5-3**  
Handset Vertical Center & Horizontal Line Reference Points

|                                                    |                                                                                                                                                                                                                |                                      |                                        |
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## 6 TEST CONFIGURATION POSITIONS

### 6.1 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity  $\epsilon = 3$  and loss tangent  $\delta = 0.02$ .

### 6.2 Positioning for Cheek

1. The test device was positioned with the device close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 6-1), such that the plane defined by the vertical center line and the horizontal line of the phone is approximately parallel to the sagittal plane of the phantom.

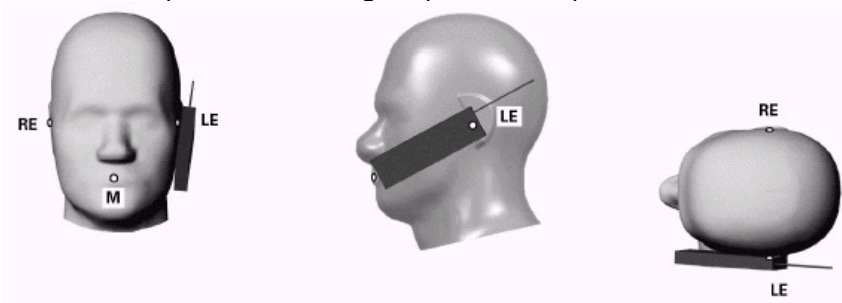


Figure 6-1 Front, Side and Top View of Cheek Position

2. The handset was translated towards the phantom along the line passing through RE & LE until the handset touches the pinna.
3. While maintaining the handset in this plane, the handset was rotated around the LE-RE line until the vertical centerline was in the reference plane.
4. The phone was then rotated around the vertical centerline until the phone (horizontal line) was symmetrical with respect to the line NF.
5. While maintaining the vertical centerline in the reference plane, keeping point A on the line passing through RE and LE, and maintaining the device contact with the ear, the device was rotated about the NF line until any point on the handset made contact with a phantom point below the ear (cheek) (See Figure 6-2).

### 6.3 Positioning for Ear / 15° Tilt

With the test device aligned in the “Cheek Position”:

1. While maintaining the orientation of the phone, the phone was retracted parallel to the reference plane far enough to enable a rotation of the phone by 15 degrees.
2. The phone was then rotated around the horizontal line by 15 degrees.
3. While maintaining the orientation of the phone, the phone was moved parallel to the reference plane until any part of the handset touched the head. (In this position, point A was located on the line RE-LE). The tilted position is obtained when the contact is on the pinna. If the contact was at any location other than the pinna, the angle of the phone would then be reduced. In this situation, the tilted position was obtained when any part of the phone was in contact of the ear as well as a second part of the phone was in contact with the head (see Figure 6-2).

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                                                              |
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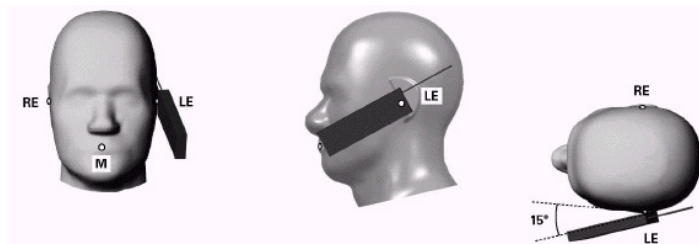


**Figure 6-2 Front, Side and Top View of Ear/15° Tilt Position**

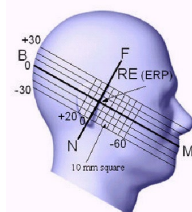


**Figure 6-3 Side view w/ relevant markings**

## 6.4 SAR Evaluations near the Mouth/Jaw Regions of the SAM Phantom

Antennas located near the bottom of a phone may require SAR measurements around the mouth and jaw regions of the SAM head phantom. This typically applies to clam-shell style phones that are generally longer in the unfolded normal use positions or to certain older style long rectangular phones. Per IEEE 1528-2013, a rotated SAM phantom is necessary to allow probe access to such regions. Both SAM heads of the TwinSAM-Chin20 are rotated 20 degrees around the NF line. Each head can be removed from the table for emptying and cleaning.

Under these circumstances, the following procedures apply, adopted from the FCC guidance on SAR handsets document FCC KDB Publication 648474 D04v01r03. The SAR required in these regions of SAM should be measured using a flat phantom. The phone should be positioned with a separation distance of 4 mm between the ear reference point (ERP) and the outer surface of the flat phantom shell. While maintaining this distance at the ERP location, the low (bottom) edge of the phone should be lowered from the phantom to establish the same separation distance between the peak SAR location identified by the truncated partial SAR distribution measured with the SAM phantom. The distance from the peak SAR location to the phone is determined by the straight line passing perpendicularly through the phantom surface. When it is not feasible to maintain 4 mm separation at the ERP while also establishing the required separation at the peak SAR location, the top edge of the phone will be allowed to touch the phantom with a separation < 4 mm at the ERP. The phone should not be tilted to the left or right while placed in this inclined position to the flat phantom.

## 6.5 Body-Worn Accessory Configurations

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 6-4). Per FCC KDB Publication 648474 D04v01r03, Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB Publication 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

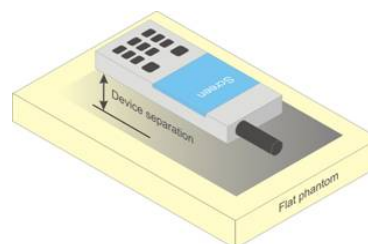


**Figure 6-4 Sample Body-Worn Diagram**

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented.

Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.

## 6.6 Extremity Exposure Configurations

Devices that are designed or intended for use on extremities or mainly operated in extremity only exposure conditions; i.e., hands, wrists, feet and ankles, may require extremity SAR evaluation. When the device also operates in close proximity to the user's body, SAR compliance for the body is also required. The 1g body and 10g extremity SAR Exclusion Thresholds found in KDB Publication 447498 D01v06 should be applied to determine SAR test requirements.

Per KDB Publication 447498 D01v06, Cell phones (handsets) are not normally designed to be used on extremities or operated in extremity only exposure conditions. The maximum output power levels of handsets generally do not require extremity SAR testing to show compliance. Therefore, extremity SAR was not evaluated for this device.

## 6.7 Wireless Router Configurations

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06v02r01 where SAR test considerations for handsets ( $L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$ ) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v06 procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 6.8 Phablet Configurations

For smart phones with a display diagonal dimension > 150 mm or an overall diagonal dimension > 160 mm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the phablets procedures outlined in KDB Publication 648474 D04v01r03 should be applied to evaluate SAR compliance. A device marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance. In addition to the normally required head and body-worn accessory SAR test procedures required for handsets, the UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna  $\leq 25$  mm from that surface or edge, in direct contact with the phantom, for 10g SAR. The UMPC mini-tablet 1g SAR at 5 mm is not required. When hotspot mode applies, 10g SAR is required only for the surfaces and edges with hotspot mode 1g SAR > 1.2 W/kg.

## 6.9 Proximity Sensor Considerations

This device uses a power reduction mechanism to reduce output powers in certain use conditions when the device is used close the user's body.

When the device's antenna is within a certain distance of the user, the sensor activates and reduces the maximum allowed output power. However, the sensor is not active when the device is moved beyond the sensor triggering distance and the maximum output power is no longer limited. Therefore, additional evaluation is needed in the vicinity of the triggering distance to ensure SAR is compliant when the device is allowed to operate at a nonreduced output power level. FCC KDB Publication 616217 D04v01r02 Section 6 was used as a guideline for selecting SAR test distances for this device at these additional test positions. Sensor triggering distance summary data is included in Appendix G.

The sensor is designed to support sufficient detection range and sensitivity to cover regions of the sensors in all applicable directions since the sensor entirely covers the antennas.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 7 RF EXPOSURE LIMITS

### 7.1 Uncontrolled Environment

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

### 7.2 Controlled Environment

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

**Table 7-1**

**SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6**

| HUMAN EXPOSURE LIMITS                                               |                                                                           |                                                                   |
|---------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------|
|                                                                     | UNCONTROLLED ENVIRONMENT<br><i>General Population</i><br>(W/kg) or (mW/g) | CONTROLLED ENVIRONMENT<br><i>Occupational</i><br>(W/kg) or (mW/g) |
| <b>Peak Spatial Average SAR</b><br>Head                             | 1.6                                                                       | 8.0                                                               |
| <b>Whole Body SAR</b>                                               | 0.08                                                                      | 0.4                                                               |
| <b>Peak Spatial Average SAR</b><br>Hands, Feet, Ankle, Wrists, etc. | 4.0                                                                       | 20                                                                |

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 8 FCC MEASUREMENT PROCEDURES

Power measurements for licensed transmitters are performed using a base station simulator under digital average power.

### 8.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D01v06, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as *reported* SAR. The highest *reported* SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

### 8.2 3G SAR Test Reduction Procedure

In FCC KDB Publication 941225 D01v03r01, certain transmission modes within a frequency band and wireless mode evaluated for SAR are defined as primary modes. The equivalent modes considered for SAR test reduction are denoted as secondary modes. When the maximum output power including tune-up tolerance specified for production units in a secondary mode is  $\leq 0.25$  dB higher than the primary mode or when the highest reported SAR of the primary mode, scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode, is  $\leq 1.2$  W/kg, SAR measurements are not required for the secondary mode. These criteria are referred to as the 3G SAR test reduction procedure. When the 3G SAR test reduction procedure is not satisfied, SAR measurements are additionally required for the secondary mode.

### 8.3 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

The device is placed into a simulated call using a base station simulator in a RF shielded chamber. Establishing connections in this manner ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. Devices under test are evaluated prior to testing, with a fully charged battery and were configured to operate at maximum output power. In order to verify that the device is tested throughout the SAR test at maximum output power, the SAR measurement system measures a “point SAR” at an arbitrary reference point at the start and end of the 1 gram SAR evaluation, to assess for any power drifts during the evaluation. If the power drift deviates by more than 5%, the SAR test and drift measurements are repeated.

### 8.4 SAR Measurement Conditions for CDMA2000

The following procedures were performed according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

#### 8.4.1 Output Power Verification

See 3GPP2 C.S0011/TIA-98-E as recommended by FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.” Maximum output power is verified on the High, Middle and Low channels according to procedures in section 4.4.5.2 of 3GPP2 C.S0011/TIA-98-E. SO55 tests were measured with power control bits in the “All Up” condition.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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1. If the mobile station (MS) supports Reverse TCH RC 1 and Forward TCH RC 1, set up a call using Fundamental Channel Test Mode 1 (RC=1/1) with 9600 bps data rate only.
2. Under RC1, C.S0011 Table 4.4.5.2-1, Table 8-1 parameters were applied.
3. If the MS supports the RC 3 Reverse FCH, RC3 Reverse SCH<sub>0</sub> and demodulation of RC 3,4, or 5, set up a call using Supplemental Channel Test Mode 3 (RC 3/3) with 9600 bps Fundamental Channel and 9600 bps SCH<sub>0</sub> data rate.
4. Under RC3, C.S0011 Table 4.4.5.2-2, Table 8-2 was applied.

**Table 8-1**  
**Parameters for Max. Power for RC1**

| Parameter                    | Units        | Value |
|------------------------------|--------------|-------|
| $I_{or}$                     | dBm/1.23 MHz | -104  |
| $\frac{Pilot E_c}{I_{or}}$   | dB           | -7    |
| $\frac{Traffic E_c}{I_{or}}$ | dB           | -7.4  |

**Table 8-2**  
**Parameters for Max. Power for RC3**

| Parameter                    | Units        | Value |
|------------------------------|--------------|-------|
| $I_{or}$                     | dBm/1.23 MHz | -86   |
| $\frac{Pilot E_c}{I_{or}}$   | dB           | -7    |
| $\frac{Traffic E_c}{I_{or}}$ | dB           | -7.4  |

5. FCHs were configured at full rate for maximum SAR with “All Up” power control bits.

## 8.4.2 Head SAR Measurements

SAR for next to the ear head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55. The 3G SAR test reduction procedure is applied to RC1 with RC3 as the primary mode; otherwise, SAR is required for the channel with maximum measured output in RC1 using the head exposure configuration that results in the highest reported SAR in RC3.

Head SAR is additionally evaluated using EVDO Rev. A to support compliance for VoIP operations. See Section 8.4.5 for EVDO Rev. A configuration parameters.

## 8.4.3 Body-worn SAR Measurements

SAR for body-worn exposure configurations is measured in RC3 with the DUT configured to transmit at full rate on FCH with all other code channels disabled using TDSO / SO32. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCH<sub>n</sub>), with FCH only as the primary mode. Otherwise, SAR is required for multiple code channel configuration (FCH + SCH<sub>n</sub>), with FCH at full rate and SCH<sub>0</sub> enabled at 9600 bps, using the highest reported SAR configuration for FCH only. When multiple code channels are enabled, the transmitter output can shift by more than 0.5 dB and may lead to higher SAR drifts and SCH dropouts.

The 3G SAR test reduction procedure is applied to body-worn accessory SAR in RC1 with RC3 as the primary mode. Otherwise, SAR is required for RC1, with SO55 and full rate, using the highest reported SAR configuration for body-worn accessory exposure in RC3.

## 8.4.4 Body-worn SAR Measurements for EVDO Devices

For handsets with EVDO capabilities, the 3G SAR test reduction procedure is applied to EVDO Rev. 0 with 1x RTT RC3 as the primary mode to determine body-worn accessory test requirements. Otherwise, body-worn accessory SAR is required for Rev. 0, at 153.6 kbps, using the highest reported SAR configuration for body-worn accessory exposure in RC3.

The 3G SAR test reduction procedure is applied to Rev. A, with Rev. 0 as the primary mode to determine body-worn accessory SAR test requirements. When SAR is not required for Rev. 0, the 3G SAR test reduction is applied with 1x RTT RC3 as the primary mode.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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When SAR is required for EVDO Rev. A, SAR is measured with a Reverse Data Channel payload size of 4096 bits and a Termination Target of 16 slots defined for Subtype 2 Physical Layer configurations, using the highest reported SAR configuration for body-worn accessory exposure in Rev. 0 or 1x RTT RC3, as appropriate.

#### 8.4.5 Body SAR Measurements for EVDO Hotspot

Hotspot Body SAR is measured using Subtype 0/1 Physical Layer configurations for Rev. 0. The 3G SAR test reduction procedure is applied to Rev. A, Subtype 2 Physical layer configuration, with Rev. 0 as the primary mode; otherwise, SAR is measured for Rev. A using the highest reported SAR configuration for body-worn accessory exposure in Rev. 0. The AT is tested with a Reverse Data Channel rate of 153.6 kbps in Subtype 0/1 Physical Layer configurations; and a Reverse Data Channel payload size of 4096 bits and Termination Target of 16 slots in Subtype 2 Physical Layer configurations.

For EVDO data devices that also support 1x RTT voice and/or data operations, the 3G SAR test reduction procedure is applied to 1x RTT RC3 and RC1 with EVDO Rev. 0 and Rev. A as the respective primary modes. Otherwise, the 'Body-Worn Accessory SAR' procedures in the '3GPP2 CDMA 2000 1x Handsets' section are applied.

#### 8.4.6 CDMA2000 1x Advanced

This device additionally supports 1x Advanced. Conducted powers are measured using SO75 with RC8 on the uplink and RC11 on the downlink per FCC KDB Publication 941225 D01v03r01. Smart blanking is disabled for all measurements. The EUT is configured with forward power control Mode 000 and reverse power control at 400 bps. Conducted powers are measured on an Agilent 8960 Series 10 Wireless Communications Test Set, Model E5515C using the CDMA2000 1x Advanced application, Option E1962B-410.

The 3G SAR test reduction procedure is applied to the 1x-Advanced transmission mode with 1x RTT RC3 as the primary mode. When SAR measurement is required, the 1x-Advanced power measurement configurations are used. The 1x Advanced SAR procedures are applied separately to head, body-worn accessory and other exposure conditions.

### 8.5 SAR Measurement Conditions for UMTS

#### 8.5.1 Output Power Verification

Maximum output power is verified on the High, Middle and Low channels according to the general descriptions in section 5.2 of 3GPP TS 34.121, using the appropriate RMC with TPC (transmit power control) set to all "1s" or applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HS-DPCCH etc) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations are identified.

#### 8.5.2 Head SAR Measurements

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1s". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the

|                                             |                                                                                                                                                                                                        |                               |                                 |
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primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

### 8.5.3 Body SAR Measurements

SAR for body exposure configurations is measured using the 12.2 kbps RMC with the TPC bits all “1s”. The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCH<sub>n</sub> configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCH<sub>n</sub>, for the highest reported SAR configuration in 12.2 kbps RMC.

### 8.5.4 SAR Measurements with Rel 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

### 8.5.5 SAR Measurements with Rel 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA.

When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing.

### 8.5.6 SAR Measurement Conditions for DC-HSDPA

SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

## 8.6 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r04 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The R&S CMW500 or Anritsu MT8820C simulators are used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

### 8.6.1 Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 8.6.2 MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

## 8.6.3 A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

## 8.6.4 Required RB Size and RB Offsets for SAR Testing

According to FCC KDB 941225 D05v02r04:

- a. Per Section 5.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
  - i. The required channel and offset combination with the highest maximum output power is required for SAR.
  - ii. When the reported SAR is  $\leq 0.8$  W/kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
  - iii. When the reported SAR for a required test channel is  $> 1.45$  W/kg, SAR is required for all RB offset configurations for that channel.
- b. Per Section 5.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Section 5.2.1.
- c. Per Section 5.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is  $< 0.8$  W/kg.
- d. Per Section 5.2.4 and 5.3, SAR tests for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sections 5.2.1 through 5.2.3 is less than or equal to  $\frac{1}{2}$  dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is  $< 1.45$  W/kg.

## 8.6.5 TDD

LTE TDD testing is performed using the SAR test guidance provided in FCC KDB 941225 D05v02r04. TDD is tested at the highest duty factor using UL-DL configuration 0 with special subframe configuration 6 and applying the FDD LTE procedures in KDB 941225 D05v02r04. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211 Section 4.

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
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### 8.6.6 Downlink Only Carrier Aggregation

Conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for downlink only carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

## 8.7 SAR Testing with 802.11 Transmitters

The normal network operating configurations of 802.11 transmitters are not suitable for SAR measurements. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure the results are consistent and reliable. See KDB Publication 248227 D01v02r02 for more details.

### 8.7.1 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters.

A periodic duty factor is required for current generation SAR systems to measure SAR. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

### 8.7.2 U-NII-1 and U-NII-2A

For devices that operate in both U-NII-1 and U-NII-2A bands, when the same maximum output power is specified for both bands, SAR measurement using OFDM SAR test procedures is not required for U-NII-1 unless the highest reported SAR for U-NII-2A is  $> 1.2$  W/kg. When different maximum output powers are specified for the bands, SAR measurement for the U-NII band with the lower maximum output power is not required unless the highest reported SAR for the U-NII band with the higher maximum output power, adjusted by the ratio of lower to higher specified maximum output power for the two bands, is  $> 1.2$  W/kg. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.3 U-NII-2C and U-NII-3

The frequency range covered by U-NII-2C and U-NII-3 is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, the channels at 5.60 – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification. Unless band gap channels are permanently disabled, SAR must be considered for these channels. Each band is

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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tested independently according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

### 8.7.4 Initial Test Position Procedure

For exposure conditions with multiple test positions, such as handset operating next to the ear, devices with hotspot mode or UMPC mini-tablet, procedures for initial test position can be applied. Using the transmission mode determined by the DSSS procedure or initial test configuration, area scans are measured for all positions in an exposure condition. The test position with the highest extrapolated (peak) SAR is used as the initial test position. When reported SAR for the initial test position is  $\leq 0.4$  W/kg, no additional testing for the remaining test positions is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is  $\leq 0.8$  W/kg or all test positions are measured. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.5 2.4 GHz SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) When the reported SAR of the highest measured maximum output power channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 2) When the reported SAR is  $> 0.8$  W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is  $> 1.2$  W/kg, SAR is required for the third channel; i.e., all channels require testing.

2.4 GHz 802.11 g/n OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is  $> 1.2$  W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test Configuration Procedures should be followed. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.6 OFDM Transmission Mode and SAR Test Channel Selection

When the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth, lowest order modulation and lowest data rate. When the maximum output power of a channel is the same for equivalent OFDM configurations; for example, 802.11a, 802.11n and 802.11ac or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., 802.11a, then 802.11n and 802.11ac or 802.11g then 802.11n, is used for SAR measurement. When the maximum output power are the same for multiple test channels, either according to the default or additional power measurement requirements, SAR is measured using the channel closest to the middle of the frequency band or aggregated band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

### 8.7.7 Initial Test Configuration Procedure

For OFDM, an initial test configuration is determined for each frequency band and aggregated band, according to the transmission mode with the highest maximum output power specified for SAR measurements. When the same maximum output power is specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration(s) with the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order IEEE 802.11 mode.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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The channel of the transmission mode with the highest average RF output conducted power will be the initial test configuration.

When the reported SAR is  $\leq 0.8$  W/kg, no additional measurements on other test channels are required. Otherwise, SAR is evaluated using the subsequent highest average RF output channel until the reported SAR result is  $\leq 1.2$  W/kg or all channels are measured. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest 802.11 mode is considered for SAR measurements (See Section 8.7.6). When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.8 Subsequent Test Configuration Procedures

For OFDM configurations in each frequency band and aggregated band, SAR is evaluated for initial test configuration using the fixed test position or the initial test position procedure. When the highest reported SAR (for the initial test configuration), adjusted by the ratio of the specified maximum output power of the subsequent test configuration to initial test configuration, is  $\leq 1.2$  W/kg, no additional SAR tests for the subsequent test configurations are required. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.9 MIMO SAR considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB Publication 447498 D01v06 should be applied to determine simultaneous transmission SAR test exclusion for WIFI MIMO. If the sum of 1g single transmission chain SAR measurements is  $< 1.6$  W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 9 RF CONDUCTED POWERS

### 9.1 CDMA Conducted Powers

Table 9-1  
Measured  $P_{Max}$

| Band     | Channel | Rule Part | Frequency | SO55 [dBm] | SO55 [dBm] | SO75 [dBm] | TDSO SO32 [dBm] | TDSO SO32 [dBm] | 1x EvDO Rev. 0 [dBm] | 1x EvDO Rev. A [dBm] |
|----------|---------|-----------|-----------|------------|------------|------------|-----------------|-----------------|----------------------|----------------------|
|          | F-RC    |           | MHz       | RC1        | RC3        | RC11       | FCH+SCH         | FCH             | (RTAP)               | (RETAP)              |
| Cellular | 1013    | 22H       | 824.7     | 24.46      | 24.39      | 24.01      | 24.38           | 24.08           | 23.54                | 23.05                |
|          | 384     | 22H       | 836.52    | 24.59      | 24.59      | 24.02      | 24.55           | 24.09           | 23.61                | 23.07                |
|          | 777     | 22H       | 848.31    | 24.60      | 24.60      | 24.03      | 24.58           | 24.10           | 23.56                | 23.08                |
| PCS      | 25      | 24E       | 1851.25   | 23.74      | 23.70      | 23.11      | 23.30           | 23.29           | 23.34                | 23.16                |
|          | 600     | 24E       | 1880      | 23.64      | 23.71      | 22.86      | 23.24           | 23.25           | 23.13                | 23.26                |
|          | 1175    | 24E       | 1908.75   | 23.21      | 23.26      | 22.53      | 23.03           | 23.08           | 23.17                | 23.08                |

Table 9-2  
Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode)

| Band     | Channel | Rule Part | Frequency | TDSO SO32 [dBm] | TDSO SO32 [dBm] | 1x EvDO Rev. 0 [dBm] | 1x EvDO Rev. A [dBm] |
|----------|---------|-----------|-----------|-----------------|-----------------|----------------------|----------------------|
|          | F-RC    |           | MHz       | FCH+SCH         | FCH             | (RTAP)               | (RETAP)              |
| Cellular | 1013    | 22H       | 824.7     | 22.91           | 22.95           | 23.01                | 23.00                |
|          | 384     | 22H       | 836.52    | 22.97           | 23.01           | 22.96                | 22.98                |
|          | 777     | 22H       | 848.31    | 22.86           | 22.88           | 22.95                | 22.97                |
| PCS      | 25      | 24E       | 1851.25   | 18.06           | 18.08           | 18.28                | 18.30                |
|          | 600     | 24E       | 1880      | 18.00           | 18.01           | 18.29                | 18.15                |
|          | 1175    | 24E       | 1908.75   | 18.11           | 18.13           | 18.15                | 18.08                |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
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**Table 9-3**  
**Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), or and/or DSI = 4 (Earjack active)**

| Band | Channel | Rule Part | Frequency | SO55 [dBm] | SO55 [dBm] | SO75 [dBm] | TDSO SO32 [dBm] | TDSO SO32 [dBm] | 1x EvDO Rev. 0 [dBm] | 1x EvDO Rev. A [dBm] |
|------|---------|-----------|-----------|------------|------------|------------|-----------------|-----------------|----------------------|----------------------|
|      | F-RC    |           | MHz       | RC1        | RC3        | RC11       | FCH+SCH         | FCH             | (RTAP)               | (RETAP)              |
| PCS  | 25      | 24E       | 1851.25   | 20.99      | 21.00      | 21.08      | 21.14           | 21.26           | 21.04                | 21.06                |
|      | 600     | 24E       | 1880      | 21.00      | 21.02      | 20.91      | 21.18           | 21.35           | 21.10                | 21.08                |
|      | 1175    | 24E       | 1908.75   | 20.97      | 20.95      | 20.99      | 21.10           | 21.22           | 21.12                | 21.00                |

Note: RC1 is only applicable for IS-95 compatibility.



**Figure 9-1**  
**Power Measurement Setup**

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
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## 9.2 GSM Conducted Powers

**Table 9-4**  
**Measured  $P_{max}$**

| Maximum Burst-Averaged Output Power            |                     |                       |                       |                      |                      |                      |                      |                      |                      |                      |
|------------------------------------------------|---------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                                                |                     | Voice                 | GPRS/EDGE Data (GMSK) |                      |                      |                      | EDGE Data (8-PSK)    |                      |                      |                      |
| Band                                           | Channel             | GSM [dBm] CS (1 Slot) | GPRS [dBm] 1 Tx Slot  | GPRS [dBm] 2 Tx Slot | GPRS [dBm] 3 Tx Slot | GPRS [dBm] 4 Tx Slot | EDGE [dBm] 1 Tx Slot | EDGE [dBm] 2 Tx Slot | EDGE [dBm] 3 Tx Slot | EDGE [dBm] 4 Tx Slot |
| GSM 850                                        | 128                 | 32.00                 | 31.98                 | 30.47                | 28.54                | 26.54                | 26.22                | 23.90                | 22.10                | 21.05                |
|                                                | 190                 | 31.90                 | 32.11                 | 30.25                | 28.32                | 26.44                | 26.49                | 23.73                | 21.62                | 20.50                |
|                                                | 251                 | 31.74                 | 32.15                 | 30.22                | 28.29                | 26.31                | 25.99                | 23.65                | 21.85                | 20.66                |
| GSM 1900                                       | 512                 | 29.25                 | 29.08                 | 27.48                | 25.36                | 23.24                | 25.46                | 23.05                | 20.72                | 19.36                |
|                                                | 661                 | 29.01                 | 28.88                 | 27.31                | 25.19                | 23.11                | 24.45                | 22.85                | 20.79                | 19.47                |
|                                                | 810                 | 29.04                 | 28.95                 | 27.40                | 25.34                | 23.10                | 25.16                | 22.85                | 20.81                | 19.65                |
| Calculated Maximum Frame-Averaged Output Power |                     |                       |                       |                      |                      |                      |                      |                      |                      |                      |
|                                                |                     | Voice                 | GPRS/EDGE Data (GMSK) |                      |                      |                      | EDGE Data (8-PSK)    |                      |                      |                      |
| Band                                           | Channel             | GSM [dBm] CS (1 Slot) | GPRS [dBm] 1 Tx Slot  | GPRS [dBm] 2 Tx Slot | GPRS [dBm] 3 Tx Slot | GPRS [dBm] 4 Tx Slot | EDGE [dBm] 1 Tx Slot | EDGE [dBm] 2 Tx Slot | EDGE [dBm] 3 Tx Slot | EDGE [dBm] 4 Tx Slot |
| GSM 850                                        | 128                 | 22.80                 | 22.78                 | 24.28                | 24.11                | 23.36                | 17.02                | 17.71                | 17.67                | 17.87                |
|                                                | 190                 | 22.70                 | 22.91                 | 24.06                | 23.89                | 23.26                | 17.29                | 17.54                | 17.19                | 17.32                |
|                                                | 251                 | 22.54                 | 22.95                 | 24.03                | 23.86                | 23.13                | 16.79                | 17.46                | 17.42                | 17.48                |
| GSM 1900                                       | 512                 | 20.05                 | 19.88                 | 21.29                | 20.93                | 20.06                | 16.26                | 16.86                | 16.29                | 16.18                |
|                                                | 661                 | 19.81                 | 19.28                 | 21.12                | 20.76                | 19.93                | 15.68                | 16.66                | 16.36                | 16.29                |
|                                                | 810                 | 19.84                 | 19.75                 | 21.21                | 20.91                | 19.92                | 15.96                | 16.66                | 16.38                | 16.47                |
| GSM 850                                        | Frame Avg. Targets: | 22.80                 | 22.80                 | 24.31                | 24.07                | 23.32                | 16.80                | 17.81                | 17.57                | 17.82                |
| GSM 1900                                       |                     | 19.80                 | 19.80                 | 21.31                | 21.07                | 20.32                | 16.30                | 16.81                | 16.57                | 16.82                |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 42 of 337                  |

**Table 9-5**  
**Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) for GSM 850**

| Maximum Burst-Averaged Output Power            |                                |                            |                            |                            |                            |                            |                            |                            |                            |
|------------------------------------------------|--------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                |                                | GPRS/EDGE Data<br>(GMSK)   |                            |                            |                            | EDGE Data<br>(8-PSK)       |                            |                            |                            |
| Band                                           | Channel                        | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | GPRS<br>[dBm]<br>3 Tx Slot | GPRS<br>[dBm]<br>4 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>3 Tx Slot | EDGE<br>[dBm]<br>4 Tx Slot |
| <b>GSM 850</b>                                 | 128                            | 30.77                      | 28.10                      | 25.67                      | <b>24.12</b>               | 26.02                      | 23.85                      | 21.69                      | 21.13                      |
|                                                | 190                            | 30.67                      | 27.84                      | 25.75                      | <b>24.24</b>               | 25.88                      | 23.70                      | 21.55                      | 20.85                      |
|                                                | 251                            | 30.68                      | 28.39                      | 25.66                      | <b>24.05</b>               | 25.90                      | 23.72                      | 21.57                      | 20.98                      |
| Calculated Maximum Frame-Averaged Output Power |                                |                            |                            |                            |                            |                            |                            |                            |                            |
|                                                |                                | GPRS/EDGE Data<br>(GMSK)   |                            |                            |                            | EDGE Data<br>(8-PSK)       |                            |                            |                            |
| Band                                           | Channel                        | GPRS<br>[dBm]<br>1 Tx Slot | GPRS<br>[dBm]<br>2 Tx Slot | GPRS<br>[dBm]<br>3 Tx Slot | GPRS<br>[dBm]<br>4 Tx Slot | EDGE<br>[dBm]<br>1 Tx Slot | EDGE<br>[dBm]<br>2 Tx Slot | EDGE<br>[dBm]<br>3 Tx Slot | EDGE<br>[dBm]<br>4 Tx Slot |
| <b>GSM 850</b>                                 | 128                            | 21.57                      | 21.91                      | 21.24                      | <b>20.94</b>               | 16.82                      | 17.66                      | 17.26                      | 17.95                      |
|                                                | 190                            | 21.47                      | 21.65                      | 21.32                      | <b>21.06</b>               | 16.68                      | 17.51                      | 17.12                      | 17.67                      |
|                                                | 251                            | 21.48                      | 22.20                      | 21.23                      | <b>20.87</b>               | 16.70                      | 17.53                      | 17.14                      | 17.80                      |
| <b>GSM 850</b>                                 | <b>Frame<br/>Avg. Targets:</b> | 21.80                      | 21.81                      | 21.77                      | <b>21.82</b>               | 16.80                      | 17.81                      | 17.57                      | 17.82                      |

|                                             |                                                                                                                                                                                                                               |                               |                                        |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                            | DUT Type:<br>Portable Handset | Page 43 of 337                         |

**Table 9-6**  
**Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode), or**  
**DSI = 1 (Phablet with grip sensor inactive), or and/or DSI = 4 (Earjack active) for GSM 1900**

| Maximum Burst-Averaged Output Power |         |                          |                         |                         |                         |                         |                         |                         |                         |                         |
|-------------------------------------|---------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                                     |         | Voice                    | GPRS/EDGE Data (GMSK)   |                         |                         |                         | EDGE Data (8-PSK)       |                         |                         |                         |
| Band                                | Channel | GSM [dBm]<br>CS (1 Slot) | GPRS [dBm]<br>1 Tx Slot | GPRS [dBm]<br>2 Tx Slot | GPRS [dBm]<br>3 Tx Slot | GPRS [dBm]<br>4 Tx Slot | EDGE [dBm]<br>1 Tx Slot | EDGE [dBm]<br>2 Tx Slot | EDGE [dBm]<br>3 Tx Slot | EDGE [dBm]<br>4 Tx Slot |
| <b>GSM 1900</b>                     | 512     | 28.55                    | 28.68                   | 24.80                   | 23.89                   | <b>22.31</b>            | 25.29                   | 23.00                   | 21.47                   | 19.69                   |
|                                     | 661     | 28.14                    | 28.28                   | 25.19                   | 23.13                   | <b>22.00</b>            | 24.69                   | 22.79                   | 20.11                   | 19.25                   |
|                                     | 810     | 28.13                    | 28.17                   | 24.99                   | 23.87                   | <b>22.34</b>            | 24.80                   | 22.78                   | 20.67                   | 19.67                   |

| Calculated Maximum Frame-Averaged Output Power |                           |                          |                         |                         |                         |                         |                         |                         |                         |                         |
|------------------------------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                                                |                           | Voice                    | GPRS/EDGE Data (GMSK)   |                         |                         |                         | EDGE Data (8-PSK)       |                         |                         |                         |
| Band                                           | Channel                   | GSM [dBm]<br>CS (1 Slot) | GPRS [dBm]<br>1 Tx Slot | GPRS [dBm]<br>2 Tx Slot | GPRS [dBm]<br>3 Tx Slot | GPRS [dBm]<br>4 Tx Slot | EDGE [dBm]<br>1 Tx Slot | EDGE [dBm]<br>2 Tx Slot | EDGE [dBm]<br>3 Tx Slot | EDGE [dBm]<br>4 Tx Slot |
| <b>GSM 1900</b>                                | 512                       | 19.35                    | 19.48                   | 18.61                   | 19.46                   | <b>19.13</b>            | 16.09                   | 16.81                   | 17.04                   | 16.51                   |
|                                                | 661                       | 18.94                    | 19.08                   | 19.00                   | 18.70                   | <b>18.82</b>            | 15.49                   | 16.60                   | 15.68                   | 16.07                   |
|                                                | 810                       | 18.93                    | 18.97                   | 18.80                   | 19.44                   | <b>19.16</b>            | 15.60                   | 16.59                   | 16.24                   | 16.49                   |
| <b>GSM 1900</b>                                | <b>Frame Avg.Targets:</b> | 18.80                    | 18.80                   | 18.81                   | 18.77                   | <b>18.82</b>            | 16.30                   | 16.81                   | 16.57                   | 16.82                   |

Note:

- Both burst-averaged and calculated frame-averaged powers are included. Frame-averaged power was calculated from the measured burst-averaged power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- GPRS/EDGE (GMSK) output powers were measured with coding scheme setting of 1 (CS1) on the base station simulator. CS1 was configured to measure GPRS output power measurements and SAR to ensure GMSK modulation in the signal. Our Investigation has shown that CS1 - CS4 settings do not have any impact on the output levels or modulation in the GPRS modes.
- EDGE (8-PSK) output powers were measured with MCS7 on the base station simulator. MCS7 coding scheme was used to measure the output powers for EDGE since investigation has shown that choosing MCS7 coding scheme will ensure 8-PSK modulation. It has been shown that MCS levels that produce 8-PSK modulation do not have an impact on output power.

**GSM Class: B**  
**GPRS Multislot class: 33 (Max 4 Tx uplink slots)**  
**EDGE Multislot class: 33 (Max 4 Tx uplink slots)**  
**DTM Multislot Class: N/A**



**Figure 9-2**  
**Power Measurement Setup**

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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## 9.3 UMTS Conducted Powers

**Table 9-7**  
Measured  $P_{max}$

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | Cellular Band [dBm] |       |       | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|---------------------|-------|-------|----------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 4132                | 4183  | 4233  | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 24.46               | 24.49 | 24.43 | 23.66          | 23.70 | 23.68 | 23.80          | 23.82 | 23.74 | -             |
| 99                   |          | 12.2 kbps AMR       | 24.54               | 24.53 | 24.47 | 23.83          | 23.78 | 23.64 | 23.99          | 23.95 | 23.92 | -             |
| 6                    | HSDPA    | Subtest 1           | 22.93               | 22.82 | 22.82 | 22.00          | 22.02 | 22.00 | 22.13          | 22.07 | 22.01 | 0             |
| 6                    |          | Subtest 2           | 22.90               | 22.86 | 22.78 | 22.05          | 22.01 | 22.01 | 22.04          | 22.06 | 22.05 | 0             |
| 6                    |          | Subtest 3           | 22.33               | 22.37 | 22.28 | 21.51          | 21.50 | 21.50 | 21.58          | 21.51 | 21.52 | 0.5           |
| 6                    |          | Subtest 4           | 22.33               | 22.37 | 22.29 | 21.50          | 21.52 | 21.52 | 21.58          | 21.57 | 21.53 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 23.11               | 23.07 | 23.00 | 22.05          | 22.01 | 22.03 | 22.21          | 22.24 | 22.15 | 0             |
| 6                    |          | Subtest 2           | 21.00               | 20.98 | 20.95 | 20.04          | 20.02 | 20.01 | 20.17          | 20.18 | 20.02 | 2             |
| 6                    |          | Subtest 3           | 21.92               | 21.92 | 21.88 | 21.05          | 21.03 | 21.00 | 21.13          | 21.15 | 21.10 | 1             |
| 6                    |          | Subtest 4           | 21.04               | 20.88 | 20.73 | 20.01          | 20.00 | 20.00 | 20.08          | 20.00 | 20.03 | 2             |
| 6                    |          | Subtest 5           | 23.14               | 23.12 | 22.97 | 22.30          | 22.17 | 22.14 | 22.21          | 22.20 | 22.15 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 23.06               | 23.00 | 22.97 | 22.08          | 22.01 | 22.02 | 22.33          | 22.22 | 22.23 | 0             |
| 8                    |          | Subtest 2           | 23.00               | 23.01 | 22.98 | 22.04          | 22.00 | 22.03 | 22.30          | 22.24 | 22.17 | 0             |
| 8                    |          | Subtest 3           | 22.56               | 22.53 | 22.45 | 21.57          | 21.52 | 21.55 | 21.79          | 21.75 | 21.72 | 0.5           |
| 8                    |          | Subtest 4           | 22.55               | 22.56 | 22.43 | 21.55          | 21.52 | 21.54 | 21.77          | 21.76 | 21.66 | 0.5           |

**Table 9-8**  
Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode)

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | Cellular Band [dBm] |       |       | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|---------------------|-------|-------|----------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 4132                | 4183  | 4233  | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 23.00               | 22.99 | 22.92 | 18.40          | 18.45 | 18.38 | 18.01          | 17.95 | 18.00 | -             |
| 99                   |          | 12.2 kbps AMR       | 23.06               | 23.03 | 22.99 | 18.11          | 18.24 | 18.24 | 18.08          | 18.00 | 18.05 | -             |
| 6                    | HSDPA    | Subtest 1           | 21.82               | 21.81 | 21.76 | 16.50          | 16.58 | 16.48 | 16.73          | 16.73 | 16.64 | 0             |
| 6                    |          | Subtest 2           | 21.76               | 21.83 | 21.76 | 16.53          | 16.63 | 16.56 | 16.72          | 16.71 | 16.66 | 0             |
| 6                    |          | Subtest 3           | 21.30               | 21.31 | 21.23 | 16.03          | 16.02 | 16.04 | 16.24          | 16.21 | 16.17 | 0.5           |
| 6                    |          | Subtest 4           | 21.34               | 21.26 | 21.23 | 16.07          | 16.08 | 16.07 | 16.21          | 16.25 | 16.19 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 21.53               | 21.72 | 21.69 | 16.55          | 16.57 | 16.47 | 16.72          | 16.75 | 16.68 | 0             |
| 6                    |          | Subtest 2           | 19.79               | 19.75 | 19.78 | 14.70          | 14.71 | 14.65 | 14.84          | 14.80 | 14.77 | 2             |
| 6                    |          | Subtest 3           | 20.78               | 20.77 | 20.70 | 15.54          | 15.55 | 15.49 | 15.71          | 15.70 | 15.65 | 1             |
| 6                    |          | Subtest 4           | 19.80               | 19.77 | 19.72 | 14.51          | 14.56 | 14.49 | 14.73          | 14.75 | 14.66 | 2             |
| 6                    |          | Subtest 5           | 21.78               | 21.77 | 21.78 | 16.65          | 16.60 | 16.52 | 16.65          | 16.71 | 16.69 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 21.74               | 21.78 | 21.70 | 16.67          | 16.70 | 16.60 | 16.99          | 16.97 | 16.82 | 0             |
| 8                    |          | Subtest 2           | 21.79               | 21.79 | 21.71 | 16.66          | 16.66 | 16.59 | 16.77          | 16.71 | 16.79 | 0             |
| 8                    |          | Subtest 3           | 21.29               | 21.26 | 21.21 | 16.05          | 16.06 | 15.98 | 16.25          | 16.30 | 16.59 | 0.5           |
| 8                    |          | Subtest 4           | 21.28               | 21.25 | 21.20 | 16.00          | 16.08 | 16.03 | 16.25          | 16.11 | 16.17 | 0.5           |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 45 of 337                  |

**Table 9-9**  
**Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), or and/or DSI = 4 (Earjack active)**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|----------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 20.03          | 20.00 | 19.87 | 21.38          | 21.42 | 21.40 | -             |
| 99                   |          | 12.2 kbps AMR       | 20.12          | 19.99 | 19.96 | 21.45          | 21.43 | 21.31 | -             |
| 6                    | HSDPA    | Subtest 1           | 19.01          | 19.03 | 19.01 | 20.10          | 20.16 | 20.16 | 0             |
| 6                    |          | Subtest 2           | 19.02          | 19.01 | 19.02 | 20.06          | 20.17 | 20.11 | 0             |
| 6                    |          | Subtest 3           | 18.53          | 18.50 | 18.53 | 19.57          | 19.60 | 19.61 | 0.5           |
| 6                    |          | Subtest 4           | 18.52          | 18.52 | 18.50 | 19.57          | 19.63 | 19.60 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 19.04          | 19.02 | 19.01 | 20.20          | 20.19 | 20.15 | 0             |
| 6                    |          | Subtest 2           | 17.00          | 17.03 | 17.00 | 18.14          | 18.17 | 18.08 | 2             |
| 6                    |          | Subtest 3           | 18.02          | 18.03 | 18.02 | 19.12          | 19.04 | 19.05 | 1             |
| 6                    |          | Subtest 4           | 17.02          | 17.01 | 17.02 | 18.16          | 18.17 | 18.14 | 2             |
| 6                    |          | Subtest 5           | 19.96          | 19.96 | 19.91 | 21.00          | 20.98 | 20.99 | 0             |
| 8                    | DC-HSDPA | Subtest 1           | 19.23          | 19.18 | 19.09 | 20.51          | 20.53 | 20.39 | 0             |
| 8                    |          | Subtest 2           | 19.24          | 19.17 | 19.11 | 20.44          | 20.42 | 20.41 | 0             |
| 8                    |          | Subtest 3           | 18.75          | 18.77 | 18.65 | 19.98          | 19.95 | 19.94 | 0.5           |
| 8                    |          | Subtest 4           | 18.74          | 18.69 | 18.60 | 19.99          | 19.96 | 19.90 | 0.5           |

DC-HSDPA considerations

- 3GPP Specification 34.121-1 Release 8 Ver 8.10.0 was used for DC-HSDPA guidance
- H-Set 12 (QPSK) was confirmed to be used during DC-HSDPA measurements
- The DUT supports UE category 24 for HSDPA

It is expected by the manufacturer that MPR for some HSPA subtests may be up to 2 dB more than specified by 3GPP, but also as low as 0 dB according to the chipset implementation in this model.

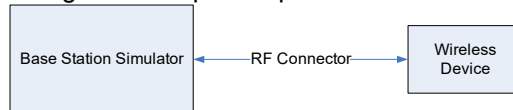


**Figure 9-3**  
**Power Measurement Setup**

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 46 of 337                  |



## 9.4 LTE Conducted Powers

Note: Per FCC KDB Publication 941225 D05v02r05, LTE SAR for the lower bandwidths was not required for testing since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg. Lower bandwidth conducted powers for all LTE bands can be found in Appendix H.

### 9.4.1 LTE Band 71

Table 9-10

LTE Band 71 Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 20 MHz Bandwidth

| LTE Band 71<br>20 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | 133297<br>(680.5 MHz)    | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 24.08                    | 0                            | 0        |
|                                 | 1       | 50        | <b>24.11</b>             |                              | 0        |
|                                 | 1       | 99        | 24.07                    |                              | 0        |
|                                 | 50      | 0         | 23.12                    | 0-1                          | 1        |
|                                 | 50      | 25        | <b>23.26</b>             |                              | 1        |
|                                 | 50      | 50        | 23.20                    |                              | 1        |
|                                 | 100     | 0         | 23.19                    |                              | 1        |
| 16QAM                           | 1       | 0         | 23.13                    | 0-1                          | 1        |
|                                 | 1       | 50        | 23.14                    |                              | 1        |
|                                 | 1       | 99        | 23.16                    |                              | 1        |
|                                 | 50      | 0         | 22.19                    | 0-2                          | 2        |
|                                 | 50      | 25        | 22.29                    |                              | 2        |
|                                 | 50      | 50        | 22.23                    |                              | 2        |
|                                 | 100     | 0         | 22.14                    |                              | 2        |
| 64QAM                           | 1       | 0         | 22.63                    | 0-2                          | 2        |
|                                 | 1       | 50        | 22.69                    |                              | 2        |
|                                 | 1       | 99        | 22.66                    |                              | 2        |
|                                 | 50      | 0         | 21.20                    | 0-3                          | 3        |
|                                 | 50      | 25        | 21.31                    |                              | 3        |
|                                 | 50      | 50        | 21.28                    |                              | 3        |
|                                 | 100     | 0         | 21.20                    |                              | 3        |
| 256QAM                          | 1       | 0         | 19.08                    | 0-5                          | 5        |
|                                 | 1       | 50        | 19.47                    |                              | 5        |
|                                 | 1       | 99        | 19.26                    |                              | 5        |
|                                 | 50      | 0         | 19.14                    |                              | 5        |
|                                 | 50      | 25        | 19.23                    |                              | 5        |
|                                 | 50      | 50        | 19.18                    |                              | 5        |
|                                 | 100     | 0         | 19.11                    |                              | 5        |

Note: LTE Band 71 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 47 of 337                  |

**Table 9-11**  
**LTE Band 71 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 20 MHz Bandwidth**

| LTE Band 71<br>20 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133297<br>(680.5 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 22.67                    | 0                            | 0        |
|                                 | 1       | 50        | <b>22.73</b>             |                              | 0        |
|                                 | 1       | 99        | 22.65                    |                              | 0        |
|                                 | 50      | 0         | 22.63                    | 0-1                          | 0        |
|                                 | 50      | 25        | <b>22.78</b>             |                              | 0        |
|                                 | 50      | 50        | 22.66                    |                              | 0        |
|                                 | 100     | 0         | 22.70                    |                              | 0        |
| 16QAM                           | 1       | 0         | 23.09                    | 0-1                          | 0        |
|                                 | 1       | 50        | 23.13                    |                              | 0        |
|                                 | 1       | 99        | 23.06                    |                              | 0        |
|                                 | 50      | 0         | 22.16                    | 0-2                          | 0.5      |
|                                 | 50      | 25        | 22.28                    |                              | 0.5      |
|                                 | 50      | 50        | 22.25                    |                              | 0.5      |
|                                 | 100     | 0         | 22.20                    |                              | 0.5      |
| 64QAM                           | 1       | 0         | 21.91                    | 0-2                          | 0.5      |
|                                 | 1       | 50        | 22.04                    |                              | 0.5      |
|                                 | 1       | 99        | 21.92                    |                              | 0.5      |
|                                 | 50      | 0         | 21.20                    | 0-3                          | 1.5      |
|                                 | 50      | 25        | 21.32                    |                              | 1.5      |
|                                 | 50      | 50        | 21.28                    |                              | 1.5      |
|                                 | 100     | 0         | 21.25                    |                              | 1.5      |
| 256QAM                          | 1       | 0         | 19.08                    | 0-5                          | 3.5      |
|                                 | 1       | 50        | 19.52                    |                              | 3.5      |
|                                 | 1       | 99        | 19.24                    |                              | 3.5      |
|                                 | 50      | 0         | 19.17                    |                              | 3.5      |
|                                 | 50      | 25        | 19.28                    |                              | 3.5      |
|                                 | 50      | 50        | 19.25                    |                              | 3.5      |
|                                 | 100     | 0         | 19.16                    |                              | 3.5      |

Note: LTE Band 71 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 48 of 337                  |

## 9.4.2 LTE Band 12

Table 9-12

LTE Band 12 Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 10 MHz Bandwidth

| LTE Band 12<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23095<br>(707.5 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 24.13                    | 0                            | 0        |
|                                 | 1       | 25        | <b>24.25</b>             |                              | 0        |
|                                 | 1       | 49        | 24.17                    |                              | 0        |
|                                 | 25      | 0         | 23.26                    | 0-1                          | 1        |
|                                 | 25      | 12        | <b>23.40</b>             |                              | 1        |
|                                 | 25      | 25        | 23.30                    |                              | 1        |
|                                 | 50      | 0         | 23.28                    |                              | 1        |
| 16QAM                           | 1       | 0         | 23.55                    | 0-1                          | 1        |
|                                 | 1       | 25        | 23.59                    |                              | 1        |
|                                 | 1       | 49        | 23.57                    |                              | 1        |
|                                 | 25      | 0         | 22.25                    | 0-2                          | 2        |
|                                 | 25      | 12        | 22.41                    |                              | 2        |
|                                 | 25      | 25        | 22.33                    |                              | 2        |
|                                 | 50      | 0         | 22.28                    |                              | 2        |
| 64QAM                           | 1       | 0         | 22.53                    | 0-2                          | 2        |
|                                 | 1       | 25        | 22.59                    |                              | 2        |
|                                 | 1       | 49        | 22.61                    |                              | 2        |
|                                 | 25      | 0         | 21.30                    | 0-3                          | 3        |
|                                 | 25      | 12        | 21.49                    |                              | 3        |
|                                 | 25      | 25        | 21.37                    |                              | 3        |
|                                 | 50      | 0         | 21.20                    |                              | 3        |
| 256QAM                          | 1       | 0         | 18.92                    | 0-5                          | 5        |
|                                 | 1       | 25        | 19.29                    |                              | 5        |
|                                 | 1       | 49        | 19.05                    |                              | 5        |
|                                 | 25      | 0         | 19.27                    |                              | 5        |
|                                 | 25      | 12        | 19.44                    |                              | 5        |
|                                 | 25      | 25        | 19.37                    |                              | 5        |
|                                 | 50      | 0         | 19.32                    |                              | 5        |

Note: LTE Band 12 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                                                                        |                               |                                 |
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 49 of 337                  |

**Table 9-13**  
**LTE Band 12 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 10 MHz Bandwidth**

| LTE Band 12<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23095<br>(707.5 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 22.67                    | 0                            | 0        |
|                                 | 1       | 25        | <b>22.78</b>             |                              | 0        |
|                                 | 1       | 49        | 22.67                    |                              | 0        |
|                                 | 25      | 0         | 22.78                    | 0-1                          | 0        |
|                                 | 25      | 12        | <b>22.85</b>             |                              | 0        |
|                                 | 25      | 25        | 22.81                    |                              | 0        |
|                                 | 50      | 0         | 22.69                    |                              | 0        |
| 16QAM                           | 1       | 0         | 23.02                    | 0-1                          | 0        |
|                                 | 1       | 25        | 23.04                    |                              | 0        |
|                                 | 1       | 49        | 23.01                    |                              | 0        |
|                                 | 25      | 0         | 22.36                    | 0-2                          | 0.5      |
|                                 | 25      | 12        | 22.47                    |                              | 0.5      |
|                                 | 25      | 25        | 22.50                    |                              | 0.5      |
|                                 | 50      | 0         | 22.28                    |                              | 0.5      |
| 64QAM                           | 1       | 0         | 22.51                    | 0-2                          | 0.5      |
|                                 | 1       | 25        | 22.78                    |                              | 0.5      |
|                                 | 1       | 49        | 22.66                    |                              | 0.5      |
|                                 | 25      | 0         | 21.35                    | 0-3                          | 1.5      |
|                                 | 25      | 12        | 21.51                    |                              | 1.5      |
|                                 | 25      | 25        | 21.43                    |                              | 1.5      |
|                                 | 50      | 0         | 21.30                    |                              | 1.5      |
| 256QAM                          | 1       | 0         | 19.22                    | 0-5                          | 3.5      |
|                                 | 1       | 25        | 19.32                    |                              | 3.5      |
|                                 | 1       | 49        | 19.35                    |                              | 3.5      |
|                                 | 25      | 0         | 19.33                    |                              | 3.5      |
|                                 | 25      | 12        | 19.46                    |                              | 3.5      |
|                                 | 25      | 25        | 19.45                    |                              | 3.5      |
|                                 | 50      | 0         | 19.34                    |                              | 3.5      |

Note: LTE Band 12 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 50 of 337                  |

### 9.4.3 LTE Band 13

Table 9-14

LTE Band 13 Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 10 MHz Bandwidth

| LTE Band 13<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 24.18                    | 0                            | 0        |
|                                 | 1       | 25        | 24.23                    |                              | 0        |
|                                 | 1       | 49        | <b>24.27</b>             |                              | 0        |
|                                 | 25      | 0         | <b>23.33</b>             | 0-1                          | 1        |
|                                 | 25      | 12        | 23.29                    |                              | 1        |
|                                 | 25      | 25        | 23.32                    |                              | 1        |
|                                 | 50      | 0         | 23.24                    |                              | 1        |
| 16QAM                           | 1       | 0         | 23.63                    | 0-1                          | 1        |
|                                 | 1       | 25        | 23.73                    |                              | 1        |
|                                 | 1       | 49        | 23.79                    |                              | 1        |
|                                 | 25      | 0         | 22.40                    | 0-2                          | 2        |
|                                 | 25      | 12        | 22.32                    |                              | 2        |
|                                 | 25      | 25        | 22.36                    |                              | 2        |
|                                 | 50      | 0         | 22.37                    |                              | 2        |
| 64QAM                           | 1       | 0         | 21.88                    | 0-2                          | 2        |
|                                 | 1       | 25        | 22.48                    |                              | 2        |
|                                 | 1       | 49        | 21.96                    |                              | 2        |
|                                 | 25      | 0         | 21.03                    | 0-3                          | 3        |
|                                 | 25      | 12        | 21.27                    |                              | 3        |
|                                 | 25      | 25        | 21.30                    |                              | 3        |
|                                 | 50      | 0         | 21.19                    |                              | 3        |
| 256QAM                          | 1       | 0         | 18.91                    | 0-5                          | 5        |
|                                 | 1       | 25        | 19.36                    |                              | 5        |
|                                 | 1       | 49        | 19.26                    |                              | 5        |
|                                 | 25      | 0         | 19.25                    |                              | 5        |
|                                 | 25      | 12        | 19.33                    |                              | 5        |
|                                 | 25      | 25        | 19.29                    |                              | 5        |
|                                 | 50      | 0         | 19.26                    |                              | 5        |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 51 of 337                  |

### 9.4.1 LTE Band 13

**Table 9-15**  
**LTE Band 13 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 10 MHz Bandwidth**

| LTE Band 13<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 22.69                    | 0                            | 0        |
|                                 | 1       | 25        | 22.70                    |                              | 0        |
|                                 | 1       | 49        | <b>22.84</b>             |                              | 0        |
|                                 | 25      | 0         | 22.88                    | 0-1                          | 0        |
|                                 | 25      | 12        | <b>22.89</b>             |                              | 0        |
|                                 | 25      | 25        | 22.83                    |                              | 0        |
|                                 | 50      | 0         | 22.83                    |                              | 0        |
| 16QAM                           | 1       | 0         | 22.79                    | 0-1                          | 0        |
|                                 | 1       | 25        | 22.86                    |                              | 0        |
|                                 | 1       | 49        | 22.91                    |                              | 0        |
|                                 | 25      | 0         | 22.45                    | 0-2                          | 0.5      |
|                                 | 25      | 12        | 22.48                    |                              | 0.5      |
|                                 | 25      | 25        | 22.42                    |                              | 0.5      |
|                                 | 50      | 0         | 22.36                    |                              | 0.5      |
| 64QAM                           | 1       | 0         | 21.79                    | 0-2                          | 0.5      |
|                                 | 1       | 25        | 22.33                    |                              | 0.5      |
|                                 | 1       | 49        | 21.92                    |                              | 0.5      |
|                                 | 25      | 0         | 21.37                    | 0-3                          | 1.5      |
|                                 | 25      | 12        | 21.47                    |                              | 1.5      |
|                                 | 25      | 25        | 21.54                    |                              | 1.5      |
|                                 | 50      | 0         | 21.40                    |                              | 1.5      |
| 256QAM                          | 1       | 0         | 19.39                    | 0-5                          | 3.5      |
|                                 | 1       | 25        | 19.64                    |                              | 3.5      |
|                                 | 1       | 49        | 19.69                    |                              | 3.5      |
|                                 | 25      | 0         | 19.38                    |                              | 3.5      |
|                                 | 25      | 12        | 19.49                    |                              | 3.5      |
|                                 | 25      | 25        | 19.41                    |                              | 3.5      |
|                                 | 50      | 0         | 19.32                    |                              | 3.5      |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 52 of 337                  |

## 9.4.2 LTE Band 14

Table 9-16

LTE Band 14 Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 10 MHz Bandwidth

| LTE Band 14<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23330<br>(793.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 24.20                    | 0                            | 0        |
|                                 | 1       | 25        | 24.12                    |                              | 0        |
|                                 | 1       | 49        | 24.14                    |                              | 0        |
|                                 | 25      | 0         | 23.26                    | 0-1                          | 1        |
|                                 | 25      | 12        | 23.34                    |                              | 1        |
|                                 | 25      | 25        | 23.32                    |                              | 1        |
|                                 | 50      | 0         | 23.30                    |                              | 1        |
| 16QAM                           | 1       | 0         | 23.03                    | 0-1                          | 1        |
|                                 | 1       | 25        | 22.99                    |                              | 1        |
|                                 | 1       | 49        | 23.04                    |                              | 1        |
|                                 | 25      | 0         | 22.28                    | 0-2                          | 2        |
|                                 | 25      | 12        | 22.37                    |                              | 2        |
|                                 | 25      | 25        | 22.42                    |                              | 2        |
|                                 | 50      | 0         | 22.32                    |                              | 2        |
| 64QAM                           | 1       | 0         | 22.60                    | 0-2                          | 2        |
|                                 | 1       | 25        | 22.69                    |                              | 2        |
|                                 | 1       | 49        | 22.72                    |                              | 2        |
|                                 | 25      | 0         | 21.27                    | 0-3                          | 3        |
|                                 | 25      | 12        | 21.40                    |                              | 3        |
|                                 | 25      | 25        | 21.42                    |                              | 3        |
|                                 | 50      | 0         | 21.26                    |                              | 3        |
| 256QAM                          | 1       | 0         | 18.89                    | 0-5                          | 5        |
|                                 | 1       | 25        | 19.06                    |                              | 5        |
|                                 | 1       | 49        | 18.82                    |                              | 5        |
|                                 | 25      | 0         | 19.30                    |                              | 5        |
|                                 | 25      | 12        | 19.36                    |                              | 5        |
|                                 | 25      | 25        | 19.40                    |                              | 5        |
|                                 | 50      | 0         | 19.27                    |                              | 5        |

|                                             |                                                                                                                                                                                                        |                               |                                 |
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 53 of 337                  |



**Table 9-17**  
**LTE Band 14 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 10 MHz Bandwidth**

| LTE Band 14<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23330<br>(793.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 22.69                    | 0                            | 0        |
|                                 | 1       | 25        | <b>22.84</b>             |                              | 0        |
|                                 | 1       | 49        | 22.81                    |                              | 0        |
|                                 | 25      | 0         | 22.76                    | 0-1                          | 0        |
|                                 | 25      | 12        | <b>22.89</b>             |                              | 0        |
|                                 | 25      | 25        | 22.88                    |                              | 0        |
|                                 | 50      | 0         | 22.80                    |                              | 0        |
| 16QAM                           | 1       | 0         | 23.36                    | 0-1                          | 0        |
|                                 | 1       | 25        | 23.41                    |                              | 0        |
|                                 | 1       | 49        | 23.46                    |                              | 0        |
|                                 | 25      | 0         | 22.33                    | 0-2                          | 0.5      |
|                                 | 25      | 12        | 22.49                    |                              | 0.5      |
|                                 | 25      | 25        | 22.51                    |                              | 0.5      |
|                                 | 50      | 0         | 22.33                    |                              | 0.5      |
| 64QAM                           | 1       | 0         | 22.27                    | 0-2                          | 0.5      |
|                                 | 1       | 25        | 22.40                    |                              | 0.5      |
|                                 | 1       | 49        | 22.36                    |                              | 0.5      |
|                                 | 25      | 0         | 21.39                    | 0-3                          | 1.5      |
|                                 | 25      | 12        | 21.50                    |                              | 1.5      |
|                                 | 25      | 25        | 21.44                    |                              | 1.5      |
|                                 | 50      | 0         | 21.35                    |                              | 1.5      |
| 256QAM                          | 1       | 0         | 19.61                    | 0-5                          | 3.5      |
|                                 | 1       | 25        | 19.90                    |                              | 3.5      |
|                                 | 1       | 49        | 19.72                    |                              | 3.5      |
|                                 | 25      | 0         | 19.38                    |                              | 3.5      |
|                                 | 25      | 12        | 19.49                    |                              | 3.5      |
|                                 | 25      | 25        | 19.54                    |                              | 3.5      |
|                                 | 50      | 0         | 19.35                    |                              | 3.5      |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 54 of 337                  |

### 9.4.3 LTE Band 26

Table 9-18

LTE Band 26 (Cell) Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 15 MHz Bandwidth

| LTE Band 26 (Cell)<br>15 MHz Bandwidth |         |           |                          |                              |          |
|----------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26865<br>(831.5 MHz)     |                              |          |
|                                        |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                   | 1       | 0         | 23.97                    | 0                            | 0        |
|                                        | 1       | 36        | 23.94                    |                              | 0        |
|                                        | 1       | 74        | <b>24.00</b>             |                              | 0        |
|                                        | 36      | 0         | 22.97                    | 0-1                          | 1        |
|                                        | 36      | 18        | 23.03                    |                              | 1        |
|                                        | 36      | 37        | <b>23.05</b>             |                              | 1        |
|                                        | 75      | 0         | 22.96                    |                              | 1        |
| 16QAM                                  | 1       | 0         | 23.43                    | 0-1                          | 1        |
|                                        | 1       | 36        | 23.39                    |                              | 1        |
|                                        | 1       | 74        | 23.44                    |                              | 1        |
|                                        | 36      | 0         | 21.98                    | 0-2                          | 2        |
|                                        | 36      | 18        | 22.03                    |                              | 2        |
|                                        | 36      | 37        | 22.04                    |                              | 2        |
|                                        | 75      | 0         | 21.99                    |                              | 2        |
| 64QAM                                  | 1       | 0         | 22.31                    | 0-2                          | 2        |
|                                        | 1       | 36        | 22.45                    |                              | 2        |
|                                        | 1       | 74        | 22.51                    |                              | 2        |
|                                        | 36      | 0         | 20.97                    | 0-3                          | 3        |
|                                        | 36      | 18        | 21.01                    |                              | 3        |
|                                        | 36      | 37        | 21.05                    |                              | 3        |
|                                        | 75      | 0         | 20.99                    |                              | 3        |
| 256QAM                                 | 1       | 0         | 19.23                    | 0-5                          | 5        |
|                                        | 1       | 36        | 19.47                    |                              | 5        |
|                                        | 1       | 74        | 19.46                    |                              | 5        |
|                                        | 36      | 0         | 19.01                    |                              | 5        |
|                                        | 36      | 18        | 19.05                    |                              | 5        |
|                                        | 36      | 37        | 19.06                    |                              | 5        |
|                                        | 75      | 0         | 19.04                    |                              | 5        |

Note: LTE Band 26 (Cell) at 15 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 55 of 337                  |

## 9.4.1 LTE Band 26

**Table 9-19**  
**LTE Band 26 (Cell) Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 15 MHz Bandwidth**

| LTE Band 26 (Cell)<br>15 MHz Bandwidth |         |           |                          |                              |          |
|----------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26865<br>(831.5 MHz)     |                              |          |
|                                        |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                   | 1       | 0         | 23.05                    | 0                            | 0        |
|                                        | 1       | 36        | 22.97                    |                              | 0        |
|                                        | 1       | 74        | <b>23.06</b>             |                              | 0        |
|                                        | 36      | 0         | 22.99                    | 0-1                          | 0        |
|                                        | 36      | 18        | 23.02                    |                              | 0        |
|                                        | 36      | 37        | <b>23.04</b>             |                              | 0        |
|                                        | 75      | 0         | 22.96                    |                              | 0        |
| 16QAM                                  | 1       | 0         | 23.04                    | 0-1                          | 0        |
|                                        | 1       | 36        | 23.05                    |                              | 0        |
|                                        | 1       | 74        | 22.95                    |                              | 0        |
|                                        | 36      | 0         | 22.05                    | 0-2                          | 0.7      |
|                                        | 36      | 18        | 22.02                    |                              | 0.7      |
|                                        | 36      | 37        | 22.06                    |                              | 0.7      |
|                                        | 75      | 0         | 21.98                    |                              | 0.7      |
| 64QAM                                  | 1       | 0         | 22.27                    | 0-2                          | 0.7      |
|                                        | 1       | 36        | 22.25                    |                              | 0.7      |
|                                        | 1       | 74        | 22.31                    |                              | 0.7      |
|                                        | 36      | 0         | 21.03                    | 0-3                          | 1.7      |
|                                        | 36      | 18        | 20.97                    |                              | 1.7      |
|                                        | 36      | 37        | 21.01                    |                              | 1.7      |
|                                        | 75      | 0         | 20.99                    |                              | 1.7      |
| 256QAM                                 | 1       | 0         | 19.35                    | 0-5                          | 3.7      |
|                                        | 1       | 36        | 19.30                    |                              | 3.7      |
|                                        | 1       | 74        | 19.50                    |                              | 3.7      |
|                                        | 36      | 0         | 19.15                    |                              | 3.7      |
|                                        | 36      | 18        | 18.97                    |                              | 3.7      |
|                                        | 36      | 37        | 18.99                    |                              | 3.7      |
|                                        | 75      | 0         | 18.93                    |                              | 3.7      |

Note: LTE Band 26 (Cell) at 15 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 56 of 337                  |

### 9.4.2 LTE Band 5

Table 9-20

LTE Band 5 (Cell) Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 10 MHz Bandwidth

| LTE Band 5 (Cell)<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 20525<br>(836.5 MHz)     |                              |          |
|                                       |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                  | 1       | 0         | 23.56                    | 0                            | 0        |
|                                       | 1       | 25        | 23.53                    |                              | 0        |
|                                       | 1       | 49        | <b>23.67</b>             |                              | 0        |
|                                       | 25      | 0         | 22.55                    | 0-1                          | 1        |
|                                       | 25      | 12        | 22.56                    |                              | 1        |
|                                       | 25      | 25        | <b>22.62</b>             |                              | 1        |
|                                       | 50      | 0         | 22.52                    |                              | 1        |
| 16QAM                                 | 1       | 0         | 22.62                    | 0-1                          | 1        |
|                                       | 1       | 25        | 22.68                    |                              | 1        |
|                                       | 1       | 49        | 22.65                    |                              | 1        |
|                                       | 25      | 0         | 21.62                    | 0-2                          | 2        |
|                                       | 25      | 12        | 21.61                    |                              | 2        |
|                                       | 25      | 25        | 21.72                    |                              | 2        |
|                                       | 50      | 0         | 21.51                    |                              | 2        |
| 64QAM                                 | 1       | 0         | 21.86                    | 0-2                          | 2        |
|                                       | 1       | 25        | 21.98                    |                              | 2        |
|                                       | 1       | 49        | 21.93                    |                              | 2        |
|                                       | 25      | 0         | 20.77                    | 0-3                          | 3        |
|                                       | 25      | 12        | 20.78                    |                              | 3        |
|                                       | 25      | 25        | 20.87                    |                              | 3        |
|                                       | 50      | 0         | 20.67                    |                              | 3        |
| 256QAM                                | 1       | 0         | 18.23                    | 0-5                          | 5        |
|                                       | 1       | 25        | 18.61                    |                              | 5        |
|                                       | 1       | 49        | 18.39                    |                              | 5        |
|                                       | 25      | 0         | 18.61                    |                              | 5        |
|                                       | 25      | 12        | 18.72                    |                              | 5        |
|                                       | 25      | 25        | 18.71                    |                              | 5        |
|                                       | 50      | 0         | 18.59                    |                              | 5        |

Note: LTE Band 5 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 57 of 337                  |

**Table 9-21**  
**LTE Band 5 (Cell) Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 10 MHz Bandwidth**

| LTE Band 5 (Cell)<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 20525<br>(836.5 MHz)     |                              |          |
|                                       |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                  | 1       | 0         | 22.68                    | 0                            | 0        |
|                                       | 1       | 25        | 22.77                    |                              | 0        |
|                                       | 1       | 49        | <b>22.82</b>             |                              | 0        |
|                                       | 25      | 0         | 22.83                    | 0-1                          | 0        |
|                                       | 25      | 12        | 22.89                    |                              | 0        |
|                                       | 25      | 25        | <b>23.00</b>             |                              | 0        |
|                                       | 50      | 0         | 22.80                    |                              | 0        |
| 16QAM                                 | 1       | 0         | 23.20                    | 0-1                          | 0        |
|                                       | 1       | 25        | 23.26                    |                              | 0        |
|                                       | 1       | 49        | 23.24                    |                              | 0        |
|                                       | 25      | 0         | 21.85                    | 0-2                          | 0.7      |
|                                       | 25      | 12        | 21.88                    |                              | 0.7      |
|                                       | 25      | 25        | 21.96                    |                              | 0.7      |
|                                       | 50      | 0         | 21.82                    |                              | 0.7      |
| 64QAM                                 | 1       | 0         | 21.88                    | 0-2                          | 0.7      |
|                                       | 1       | 25        | 21.98                    |                              | 0.7      |
|                                       | 1       | 49        | 21.96                    |                              | 0.7      |
|                                       | 25      | 0         | 20.91                    | 0-3                          | 1.7      |
|                                       | 25      | 12        | 20.99                    |                              | 1.7      |
|                                       | 25      | 25        | 21.03                    |                              | 1.7      |
|                                       | 50      | 0         | 20.79                    |                              | 1.7      |
| 256QAM                                | 1       | 0         | 19.07                    | 0-5                          | 3.7      |
|                                       | 1       | 25        | 19.44                    |                              | 3.7      |
|                                       | 1       | 49        | 19.20                    |                              | 3.7      |
|                                       | 25      | 0         | 18.86                    |                              | 3.7      |
|                                       | 25      | 12        | 18.94                    |                              | 3.7      |
|                                       | 25      | 25        | 19.01                    |                              | 3.7      |
|                                       | 50      | 0         | 18.85                    |                              | 3.7      |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 58 of 337                  |

Table 9-22

LTE Band 66 (AWS) Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 20 MHz Bandwidth

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 23.54                  | 23.49                  | 23.82                  | 0                            | 0        |
|                                       | 1       | 50        | 23.69                  | 23.73                  | 23.79                  |                              | 0        |
|                                       | 1       | 99        | 23.71                  | 23.70                  | 23.91                  |                              | 0        |
|                                       | 50      | 0         | 22.77                  | 22.82                  | 22.86                  | 0-1                          | 1        |
|                                       | 50      | 25        | 22.90                  | 22.91                  | 23.04                  |                              | 1        |
|                                       | 50      | 50        | 22.86                  | 22.89                  | 22.97                  |                              | 1        |
|                                       | 100     | 0         | 22.88                  | 22.81                  | 23.02                  |                              | 1        |
| 16QAM                                 | 1       | 0         | 22.83                  | 22.86                  | 23.18                  | 0-1                          | 1        |
|                                       | 1       | 50        | 23.13                  | 23.23                  | 23.18                  |                              | 1        |
|                                       | 1       | 99        | 22.90                  | 23.04                  | 23.24                  |                              | 1        |
|                                       | 50      | 0         | 21.81                  | 21.83                  | 21.88                  | 0-2                          | 2        |
|                                       | 50      | 25        | 21.97                  | 21.90                  | 22.01                  |                              | 2        |
|                                       | 50      | 50        | 21.87                  | 21.93                  | 21.96                  |                              | 2        |
|                                       | 100     | 0         | 21.92                  | 21.88                  | 21.94                  |                              | 2        |
| 64QAM                                 | 1       | 0         | 21.54                  | 21.76                  | 22.00                  | 0-2                          | 2        |
|                                       | 1       | 50        | 22.03                  | 21.41                  | 22.14                  |                              | 2        |
|                                       | 1       | 99        | 21.81                  | 21.63                  | 21.44                  |                              | 2        |
|                                       | 50      | 0         | 20.84                  | 20.58                  | 20.88                  | 0-3                          | 3        |
|                                       | 50      | 25        | 20.95                  | 20.42                  | 21.06                  |                              | 3        |
|                                       | 50      | 50        | 20.88                  | 20.40                  | 20.92                  |                              | 3        |
|                                       | 100     | 0         | 20.91                  | 20.43                  | 20.95                  |                              | 3        |
| 256QAM                                | 1       | 0         | 18.65                  | 18.71                  | 18.70                  | 0-5                          | 5        |
|                                       | 1       | 50        | 18.99                  | 19.01                  | 19.11                  |                              | 5        |
|                                       | 1       | 99        | 18.83                  | 18.85                  | 18.91                  |                              | 5        |
|                                       | 50      | 0         | 18.85                  | 18.86                  | 18.81                  |                              | 5        |
|                                       | 50      | 25        | 19.00                  | 18.96                  | 19.02                  |                              | 5        |
|                                       | 50      | 50        | 18.87                  | 18.88                  | 19.03                  |                              | 5        |
|                                       | 100     | 0         | 18.91                  | 18.86                  | 18.95                  |                              | 5        |

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Quality Manager

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Table 9-23

LTE Band 66 (AWS) Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 10 MHz Bandwidth

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 23.54                  | 23.63                  | 23.61                  | 0                            | 0        |
|                                       | 1       | 25        | 23.80                  | 23.87                  | 23.95                  |                              | 0        |
|                                       | 1       | 49        | 23.68                  | 23.72                  | 23.72                  |                              | 0        |
|                                       | 25      | 0         | 22.91                  | 22.88                  | 22.94                  | 0-1                          | 1        |
|                                       | 25      | 12        | 22.96                  | 22.94                  | 23.05                  |                              | 1        |
|                                       | 25      | 25        | 22.88                  | 22.89                  | 22.99                  |                              | 1        |
|                                       | 50      | 0         | 22.89                  | 22.87                  | 22.83                  |                              | 1        |
| 16QAM                                 | 1       | 0         | 23.30                  | 22.95                  | 23.18                  | 0-1                          | 1        |
|                                       | 1       | 25        | 23.40                  | 23.15                  | 23.50                  |                              | 1        |
|                                       | 1       | 49        | 23.32                  | 23.06                  | 22.88                  |                              | 1        |
|                                       | 25      | 0         | 22.30                  | 22.25                  | 22.20                  | 0-2                          | 2        |
|                                       | 25      | 12        | 22.33                  | 22.29                  | 22.45                  |                              | 2        |
|                                       | 25      | 25        | 22.30                  | 22.28                  | 22.33                  |                              | 2        |
|                                       | 50      | 0         | 22.26                  | 22.17                  | 22.23                  |                              | 2        |
| 64QAM                                 | 1       | 0         | 21.73                  | 21.66                  | 22.20                  | 0-2                          | 2        |
|                                       | 1       | 25        | 22.20                  | 21.71                  | 22.03                  |                              | 2        |
|                                       | 1       | 49        | 22.25                  | 21.78                  | 21.65                  |                              | 2        |
|                                       | 25      | 0         | 20.77                  | 20.69                  | 21.22                  | 0-3                          | 3        |
|                                       | 25      | 12        | 21.00                  | 20.67                  | 20.96                  |                              | 3        |
|                                       | 25      | 25        | 21.18                  | 20.69                  | 20.65                  |                              | 3        |
|                                       | 50      | 0         | 21.02                  | 20.71                  | 20.97                  |                              | 3        |
| 256QAM                                | 1       | 0         | 19.09                  | 19.05                  | 19.16                  | 0-5                          | 5        |
|                                       | 1       | 25        | 19.37                  | 19.51                  | 19.48                  |                              | 5        |
|                                       | 1       | 49        | 19.29                  | 19.30                  | 19.32                  |                              | 5        |
|                                       | 25      | 0         | 19.29                  | 19.19                  | 19.27                  |                              | 5        |
|                                       | 25      | 12        | 19.25                  | 19.25                  | 19.38                  |                              | 5        |
|                                       | 25      | 25        | 19.22                  | 19.28                  | 19.23                  |                              | 5        |
|                                       | 50      | 0         | 19.24                  | 19.29                  | 19.28                  |                              | 5        |

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**Table 9-24**  
**LTE Band 66 (AWS) Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode)- 20 MHz Bandwidth**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 17.90                  | 18.08                  | 18.32                  | 0                            | 0        |
|                                       | 1       | 50        | 18.20                  | 18.29                  | 18.30                  |                              | 0        |
|                                       | 1       | 99        | 18.02                  | 18.25                  | 18.43                  |                              | 0        |
|                                       | 50      | 0         | 18.22                  | 18.32                  | 18.41                  | 0-1                          | 0        |
|                                       | 50      | 25        | 18.39                  | 18.37                  | 18.57                  |                              | 0        |
|                                       | 50      | 50        | 18.33                  | 18.45                  | 18.44                  |                              | 0        |
|                                       | 100     | 0         | 18.31                  | 18.30                  | 18.40                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 18.27                  | 18.32                  | 18.84                  | 0-1                          | 0        |
|                                       | 1       | 50        | 18.54                  | 18.74                  | 18.83                  |                              | 0        |
|                                       | 1       | 99        | 18.26                  | 18.68                  | 18.82                  |                              | 0        |
|                                       | 50      | 0         | 18.20                  | 18.34                  | 18.39                  | 0-2                          | 0        |
|                                       | 50      | 25        | 18.36                  | 18.33                  | 18.55                  |                              | 0        |
|                                       | 50      | 50        | 18.33                  | 18.43                  | 18.45                  |                              | 0        |
|                                       | 100     | 0         | 18.28                  | 18.26                  | 18.51                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 18.18                  | 18.23                  | 18.69                  | 0-2                          | 0        |
|                                       | 1       | 50        | 18.48                  | 18.54                  | 18.69                  |                              | 0        |
|                                       | 1       | 99        | 18.25                  | 18.50                  | 18.68                  |                              | 0        |
|                                       | 50      | 0         | 18.26                  | 18.29                  | 18.44                  | 0-3                          | 0        |
|                                       | 50      | 25        | 18.41                  | 18.44                  | 18.59                  |                              | 0        |
|                                       | 50      | 50        | 18.35                  | 18.42                  | 18.47                  |                              | 0        |
|                                       | 100     | 0         | 18.37                  | 18.36                  | 18.48                  |                              | 0        |
| 256QAM                                | 1       | 0         | 18.17                  | 18.18                  | 18.22                  | 0-5                          | 0        |
|                                       | 1       | 50        | 18.44                  | 18.55                  | 18.60                  |                              | 0        |
|                                       | 1       | 99        | 18.36                  | 18.41                  | 18.41                  |                              | 0        |
|                                       | 50      | 0         | 18.24                  | 18.40                  | 18.44                  |                              | 0        |
|                                       | 50      | 25        | 18.42                  | 18.48                  | 18.58                  |                              | 0        |
|                                       | 50      | 50        | 18.35                  | 18.48                  | 18.56                  |                              | 0        |
|                                       | 100     | 0         | 18.39                  | 18.35                  | 18.47                  |                              | 0        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 61 of 337                  |

**Table 9-25**  
**LTE Band 66 (AWS) Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode)- 10 MHz Bandwidth**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 18.00                  | 18.10                  | 18.17                  | 0                            | 0        |
|                                       | 1       | 25        | 18.22                  | 18.37                  | 18.30                  |                              | 0        |
|                                       | 1       | 49        | 17.98                  | 18.16                  | 18.13                  |                              | 0        |
|                                       | 25      | 0         | 18.26                  | 18.34                  | 18.31                  | 0-1                          | 0        |
|                                       | 25      | 12        | 18.37                  | 18.42                  | 18.50                  |                              | 0        |
|                                       | 25      | 25        | 18.21                  | 18.35                  | 18.37                  |                              | 0        |
|                                       | 50      | 0         | 18.32                  | 18.27                  | 18.24                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 18.71                  | 18.47                  | 18.68                  | 0-1                          | 0        |
|                                       | 1       | 25        | 18.81                  | 18.80                  | 18.74                  |                              | 0        |
|                                       | 1       | 49        | 18.67                  | 18.55                  | 18.69                  |                              | 0        |
|                                       | 25      | 0         | 18.66                  | 18.33                  | 18.68                  | 0-2                          | 0        |
|                                       | 25      | 12        | 18.73                  | 18.52                  | 18.62                  |                              | 0        |
|                                       | 25      | 25        | 18.61                  | 18.42                  | 18.64                  |                              | 0        |
|                                       | 50      | 0         | 18.53                  | 18.46                  | 18.59                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 18.52                  | 18.31                  | 18.71                  | 0-2                          | 0        |
|                                       | 1       | 25        | 18.42                  | 18.54                  | 18.63                  |                              | 0        |
|                                       | 1       | 49        | 18.65                  | 18.38                  | 18.64                  |                              | 0        |
|                                       | 25      | 0         | 18.62                  | 18.50                  | 18.67                  | 0-3                          | 0        |
|                                       | 25      | 12        | 18.71                  | 18.41                  | 18.66                  |                              | 0        |
|                                       | 25      | 25        | 18.64                  | 18.52                  | 18.68                  |                              | 0        |
|                                       | 50      | 0         | 18.72                  | 18.42                  | 18.57                  |                              | 0        |
| 256QAM                                | 1       | 0         | 18.49                  | 18.25                  | 18.53                  | 0-5                          | 0        |
|                                       | 1       | 25        | 18.68                  | 18.52                  | 18.59                  |                              | 0        |
|                                       | 1       | 49        | 18.57                  | 18.57                  | 18.52                  |                              | 0        |
|                                       | 25      | 0         | 18.64                  | 18.50                  | 18.68                  |                              | 0        |
|                                       | 25      | 12        | 18.74                  | 18.54                  | 18.72                  |                              | 0        |
|                                       | 25      | 25        | 18.64                  | 18.53                  | 18.67                  |                              | 0        |
|                                       | 50      | 0         | 18.63                  | 18.49                  | 18.69                  |                              | 0        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 62 of 337                                                                        |                                        |

Table 9-26

LTE Band 66 (AWS) Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 20 MHz Bandwidth

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 20.69                  | 20.66                  | 21.04                  | 0                            | 0        |
|                                       | 1       | 50        | 20.77                  | 21.01                  | 21.01                  |                              | 0        |
|                                       | 1       | 99        | 20.75                  | 20.84                  | 21.11                  |                              | 0        |
|                                       | 50      | 0         | 20.94                  | 20.72                  | 21.06                  | 0-1                          | 0        |
|                                       | 50      | 25        | 21.08                  | 21.08                  | 21.25                  |                              | 0        |
|                                       | 50      | 50        | 21.00                  | 21.16                  | 21.16                  |                              | 0        |
|                                       | 100     | 0         | 20.99                  | 21.05                  | 21.10                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 21.13                  | 21.01                  | 21.39                  | 0-1                          | 0        |
|                                       | 1       | 50        | 21.20                  | 21.22                  | 21.37                  |                              | 0        |
|                                       | 1       | 99        | 21.06                  | 21.20                  | 21.39                  |                              | 0        |
|                                       | 50      | 0         | 20.94                  | 21.07                  | 21.11                  | 0-2                          | 0        |
|                                       | 50      | 25        | 21.16                  | 21.16                  | 21.26                  |                              | 0        |
|                                       | 50      | 50        | 21.05                  | 21.17                  | 21.21                  |                              | 0        |
|                                       | 100     | 0         | 21.04                  | 21.03                  | 21.22                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.89                  | 20.97                  | 21.37                  | 0-2                          | 0        |
|                                       | 1       | 50        | 21.20                  | 21.24                  | 21.39                  |                              | 0        |
|                                       | 1       | 99        | 21.19                  | 21.13                  | 21.38                  |                              | 0        |
|                                       | 50      | 0         | 21.02                  | 21.01                  | 21.09                  | 0-3                          | 0        |
|                                       | 50      | 25        | 21.11                  | 21.15                  | 21.30                  |                              | 0        |
|                                       | 50      | 50        | 21.04                  | 21.16                  | 21.22                  |                              | 0        |
|                                       | 100     | 0         | 21.03                  | 21.08                  | 21.14                  |                              | 0        |
| 256QAM                                | 1       | 0         | 18.82                  | 18.86                  | 19.00                  | 0-5                          | 1.4      |
|                                       | 1       | 50        | 19.12                  | 19.28                  | 19.32                  |                              | 1.4      |
|                                       | 1       | 99        | 19.03                  | 19.16                  | 19.20                  |                              | 1.4      |
|                                       | 50      | 0         | 18.97                  | 19.08                  | 19.08                  |                              | 1.4      |
|                                       | 50      | 25        | 19.10                  | 19.12                  | 19.29                  |                              | 1.4      |
|                                       | 50      | 50        | 19.07                  | 19.13                  | 19.22                  |                              | 1.4      |
|                                       | 100     | 0         | 19.11                  | 19.06                  | 19.23                  |                              | 1.4      |

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Table 9-27

LTE Band 66 (AWS) Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 10 MHz Bandwidth

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 20.50                  | 20.60                  | 20.61                  | 0                            | 0        |
|                                       | 1       | 25        | 20.74                  | 20.93                  | 20.87                  |                              | 0        |
|                                       | 1       | 49        | 20.56                  | 20.77                  | 20.78                  |                              | 0        |
|                                       | 25      | 0         | 20.81                  | 20.87                  | 20.99                  | 0-1                          | 0        |
|                                       | 25      | 12        | 20.92                  | 20.90                  | 21.04                  |                              | 0        |
|                                       | 25      | 25        | 20.79                  | 20.91                  | 21.01                  |                              | 0        |
|                                       | 50      | 0         | 20.83                  | 20.86                  | 20.84                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 20.89                  | 21.03                  | 20.90                  | 0-1                          | 0        |
|                                       | 1       | 25        | 21.15                  | 21.21                  | 20.97                  |                              | 0        |
|                                       | 1       | 49        | 20.91                  | 21.09                  | 20.90                  |                              | 0        |
|                                       | 25      | 0         | 20.89                  | 20.99                  | 20.70                  | 0-2                          | 0        |
|                                       | 25      | 12        | 20.98                  | 20.97                  | 20.92                  |                              | 0        |
|                                       | 25      | 25        | 21.03                  | 20.95                  | 20.78                  |                              | 0        |
|                                       | 50      | 0         | 20.98                  | 20.89                  | 20.75                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 20.75                  | 20.77                  | 20.87                  | 0-2                          | 0        |
|                                       | 1       | 25        | 21.20                  | 21.14                  | 20.90                  |                              | 0        |
|                                       | 1       | 49        | 20.98                  | 20.89                  | 21.07                  |                              | 0        |
|                                       | 25      | 0         | 20.67                  | 20.64                  | 20.68                  | 0-3                          | 0        |
|                                       | 25      | 12        | 20.68                  | 20.66                  | 20.93                  |                              | 0        |
|                                       | 25      | 25        | 20.85                  | 20.69                  | 20.72                  |                              | 0        |
|                                       | 50      | 0         | 20.68                  | 20.60                  | 20.82                  |                              | 0        |
| 256QAM                                | 1       | 0         | 19.04                  | 18.79                  | 18.64                  | 0-5                          | 1.4      |
|                                       | 1       | 25        | 18.93                  | 18.88                  | 18.83                  |                              | 1.4      |
|                                       | 1       | 49        | 18.96                  | 18.81                  | 18.71                  |                              | 1.4      |
|                                       | 25      | 0         | 18.97                  | 18.95                  | 18.73                  |                              | 1.4      |
|                                       | 25      | 12        | 18.96                  | 19.02                  | 18.81                  |                              | 1.4      |
|                                       | 25      | 25        | 18.98                  | 19.06                  | 18.77                  |                              | 1.4      |
|                                       | 50      | 0         | 18.90                  | 18.57                  | 18.76                  |                              | 1.4      |

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Table 9-28

LTE Band 25 (PCS) Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 20 MHz Bandwidth

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 24.02                 | 24.37                 | 24.03                 | 0                            | 0        |
|                                       | 1       | 50        | 24.04                 | 24.10                 | 23.92                 |                              | 0        |
|                                       | 1       | 99        | 24.14                 | 24.22                 | 23.91                 |                              | 0        |
|                                       | 50      | 0         | 23.24                 | 23.35                 | 23.08                 | 0-1                          | 1        |
|                                       | 50      | 25        | 23.35                 | 23.40                 | 23.00                 |                              | 1        |
|                                       | 50      | 50        | 23.36                 | 23.04                 | 22.90                 |                              | 1        |
|                                       | 100     | 0         | 23.25                 | 23.20                 | 22.99                 |                              | 1        |
| 16QAM                                 | 1       | 0         | 23.71                 | 23.88                 | 23.52                 | 0-1                          | 1        |
|                                       | 1       | 50        | 23.89                 | 23.70                 | 23.38                 |                              | 1        |
|                                       | 1       | 99        | 23.81                 | 23.64                 | 23.33                 |                              | 1        |
|                                       | 50      | 0         | 22.28                 | 22.47                 | 22.11                 | 0-2                          | 2        |
|                                       | 50      | 25        | 22.37                 | 22.45                 | 22.10                 |                              | 2        |
|                                       | 50      | 50        | 22.36                 | 22.10                 | 21.98                 |                              | 2        |
|                                       | 100     | 0         | 22.37                 | 22.24                 | 21.97                 |                              | 2        |
| 64QAM                                 | 1       | 0         | 22.85                 | 22.50                 | 22.32                 | 0-2                          | 2        |
|                                       | 1       | 50        | 22.43                 | 22.00                 | 22.38                 |                              | 2        |
|                                       | 1       | 99        | 22.59                 | 21.88                 | 22.28                 |                              | 2        |
|                                       | 50      | 0         | 21.26                 | 21.53                 | 21.18                 | 0-3                          | 3        |
|                                       | 50      | 25        | 21.18                 | 20.98                 | 21.16                 |                              | 3        |
|                                       | 50      | 50        | 21.38                 | 20.99                 | 21.00                 |                              | 3        |
|                                       | 100     | 0         | 21.25                 | 21.03                 | 21.02                 |                              | 3        |
| 256QAM                                | 1       | 0         | 19.02                 | 19.11                 | 18.88                 | 0-5                          | 5        |
|                                       | 1       | 50        | 19.43                 | 19.53                 | 19.01                 |                              | 5        |
|                                       | 1       | 99        | 19.31                 | 19.22                 | 18.70                 |                              | 5        |
|                                       | 50      | 0         | 19.15                 | 19.28                 | 18.97                 |                              | 5        |
|                                       | 50      | 25        | 19.39                 | 19.45                 | 19.11                 |                              | 5        |
|                                       | 50      | 50        | 19.35                 | 19.31                 | 19.00                 |                              | 5        |
|                                       | 100     | 0         | 19.34                 | 19.27                 | 18.99                 |                              | 5        |

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**Table 9-29**  
**LTE Band 25 (PCS) Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode)- 20 MHz Bandwidth**

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 17.95                 | 18.04                 | 17.77                 | 0                            | 0        |
|                                       | 1       | 50        | 17.81                 | 18.02                 | 17.63                 |                              | 0        |
|                                       | 1       | 99        | 18.09                 | 18.45                 | 17.60                 |                              | 0        |
|                                       | 50      | 0         | 17.95                 | 18.16                 | 17.95                 | 0-1                          | 0        |
|                                       | 50      | 25        | 18.03                 | 18.48                 | 17.82                 |                              | 0        |
|                                       | 50      | 50        | 18.07                 | 18.05                 | 17.77                 |                              | 0        |
|                                       | 100     | 0         | 17.94                 | 18.05                 | 17.78                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 18.18                 | 18.35                 | 18.30                 | 0-1                          | 0        |
|                                       | 1       | 50        | 18.30                 | 18.46                 | 18.17                 |                              | 0        |
|                                       | 1       | 99        | 18.25                 | 18.41                 | 18.11                 |                              | 0        |
|                                       | 50      | 0         | 17.88                 | 18.20                 | 17.87                 | 0-2                          | 0        |
|                                       | 50      | 25        | 18.02                 | 18.18                 | 17.83                 |                              | 0        |
|                                       | 50      | 50        | 18.00                 | 18.01                 | 17.68                 |                              | 0        |
|                                       | 100     | 0         | 17.95                 | 18.02                 | 17.74                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 18.11                 | 18.37                 | 18.12                 | 0-2                          | 0        |
|                                       | 1       | 50        | 18.17                 | 18.43                 | 17.98                 |                              | 0        |
|                                       | 1       | 99        | 18.29                 | 18.26                 | 17.95                 |                              | 0        |
|                                       | 50      | 0         | 17.93                 | 18.22                 | 17.88                 | 0-3                          | 0        |
|                                       | 50      | 25        | 18.02                 | 18.24                 | 17.83                 |                              | 0        |
|                                       | 50      | 50        | 18.09                 | 18.10                 | 17.75                 |                              | 0        |
|                                       | 100     | 0         | 18.03                 | 17.97                 | 17.74                 |                              | 0        |
| 256QAM                                | 1       | 0         | 17.73                 | 17.87                 | 17.63                 | 0-5                          | 0        |
|                                       | 1       | 50        | 18.14                 | 18.27                 | 17.96                 |                              | 0        |
|                                       | 1       | 99        | 18.12                 | 17.83                 | 17.58                 |                              | 0        |
|                                       | 50      | 0         | 17.79                 | 18.04                 | 17.70                 |                              | 0        |
|                                       | 50      | 25        | 18.02                 | 18.23                 | 17.92                 |                              | 0        |
|                                       | 50      | 50        | 17.94                 | 18.07                 | 17.73                 |                              | 0        |
|                                       | 100     | 0         | 18.05                 | 18.04                 | 17.78                 |                              | 0        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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**Table 9-30**  
**LTE Band 25 (PCS) Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 20 MHz Bandwidth**

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 21.10                 | 21.50                 | 21.08                 | 0                            | 0        |
|                                       | 1       | 50        | 21.07                 | 21.40                 | 21.00                 |                              | 0        |
|                                       | 1       | 99        | 21.16                 | 21.35                 | 20.99                 |                              | 0        |
|                                       | 50      | 0         | 21.24                 | 21.46                 | 21.09                 | 0-1                          | 0        |
|                                       | 50      | 25        | 21.38                 | 21.49                 | 21.02                 |                              | 0        |
|                                       | 50      | 50        | 21.36                 | 21.34                 | 21.01                 |                              | 0        |
|                                       | 100     | 0         | 21.25                 | 21.27                 | 20.99                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 21.71                 | 21.88                 | 21.45                 | 0-1                          | 0        |
|                                       | 1       | 50        | 21.73                 | 21.90                 | 21.40                 |                              | 0        |
|                                       | 1       | 99        | 21.90                 | 21.88                 | 21.32                 |                              | 0        |
|                                       | 50      | 0         | 21.30                 | 21.40                 | 21.08                 | 0-2                          | 0        |
|                                       | 50      | 25        | 21.41                 | 21.46                 | 21.10                 |                              | 0        |
|                                       | 50      | 50        | 21.40                 | 21.40                 | 20.97                 |                              | 0        |
|                                       | 100     | 0         | 21.33                 | 21.36                 | 21.01                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 21.88                 | 21.62                 | 21.37                 | 0-2                          | 0        |
|                                       | 1       | 50        | 21.89                 | 21.65                 | 21.22                 |                              | 0        |
|                                       | 1       | 99        | 21.90                 | 21.61                 | 21.20                 |                              | 0        |
|                                       | 50      | 0         | 21.16                 | 21.54                 | 21.13                 | 0-3                          | 0        |
|                                       | 50      | 25        | 21.15                 | 20.90                 | 21.10                 |                              | 0        |
|                                       | 50      | 50        | 21.40                 | 20.92                 | 21.00                 |                              | 0        |
|                                       | 100     | 0         | 21.27                 | 20.96                 | 21.04                 |                              | 0        |
| 256QAM                                | 1       | 0         | 19.25                 | 19.14                 | 18.90                 | 0-5                          | 2        |
|                                       | 1       | 50        | 19.36                 | 19.61                 | 19.02                 |                              | 2        |
|                                       | 1       | 99        | 19.34                 | 19.29                 | 18.79                 |                              | 2        |
|                                       | 50      | 0         | 19.19                 | 19.35                 | 19.01                 |                              | 2        |
|                                       | 50      | 25        | 19.41                 | 19.47                 | 19.18                 |                              | 2        |
|                                       | 50      | 50        | 19.37                 | 19.34                 | 18.94                 |                              | 2        |
|                                       | 100     | 0         | 19.31                 | 19.31                 | 19.02                 |                              | 2        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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### 9.4.3 LTE Band 30

**Table 9-31**  
**LTE Band 30 Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 10 MHz Bandwidth**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | <b>23.40</b>             | 0                            | 0        |
|                                 | 1       | 25        | 23.30                    |                              | 0        |
|                                 | 1       | 49        | 23.37                    |                              | 0        |
|                                 | 25      | 0         | <b>22.45</b>             | 0-1                          | 1        |
|                                 | 25      | 12        | 22.37                    |                              | 1        |
|                                 | 25      | 25        | 22.20                    |                              | 1        |
|                                 | 50      | 0         | 22.31                    |                              | 1        |
| 16QAM                           | 1       | 0         | 22.68                    | 0-1                          | 1        |
|                                 | 1       | 25        | 22.71                    |                              | 1        |
|                                 | 1       | 49        | 22.57                    |                              | 1        |
|                                 | 25      | 0         | 21.42                    | 0-2                          | 2        |
|                                 | 25      | 12        | 21.36                    |                              | 2        |
|                                 | 25      | 25        | 21.22                    |                              | 2        |
|                                 | 50      | 0         | 21.26                    |                              | 2        |
| 64QAM                           | 1       | 0         | 21.13                    | 0-2                          | 2        |
|                                 | 1       | 25        | 21.64                    |                              | 2        |
|                                 | 1       | 49        | 21.38                    |                              | 2        |
|                                 | 25      | 0         | 19.86                    | 0-3                          | 3        |
|                                 | 25      | 12        | 20.33                    |                              | 3        |
|                                 | 25      | 25        | 20.25                    |                              | 3        |
|                                 | 50      | 0         | 20.34                    |                              | 3        |
| 256QAM                          | 1       | 0         | 18.35                    | 0-5                          | 5        |
|                                 | 1       | 25        | 18.52                    |                              | 5        |
|                                 | 1       | 49        | 18.26                    |                              | 5        |
|                                 | 25      | 0         | 18.43                    |                              | 5        |
|                                 | 25      | 12        | 18.40                    |                              | 5        |
|                                 | 25      | 25        | 18.21                    |                              | 5        |
|                                 | 50      | 0         | 18.31                    |                              | 5        |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
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**Table 9-32**  
**LTE Band 30 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 10 MHz Bandwidth**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 17.95                    | 0                            | 0        |
|                                 | 1       | 25        | 17.80                    |                              | 0        |
|                                 | 1       | 49        | 17.78                    |                              | 0        |
|                                 | 25      | 0         | 17.85                    | 0-1                          | 0        |
|                                 | 25      | 12        | 18.00                    |                              | 0        |
|                                 | 25      | 25        | 17.71                    |                              | 0        |
|                                 | 50      | 0         | 17.82                    |                              | 0        |
| 16QAM                           | 1       | 0         | 18.36                    | 0-1                          | 0        |
|                                 | 1       | 25        | 18.20                    |                              | 0        |
|                                 | 1       | 49        | 18.07                    |                              | 0        |
|                                 | 25      | 0         | 17.88                    | 0-2                          | 0        |
|                                 | 25      | 12        | 17.84                    |                              | 0        |
|                                 | 25      | 25        | 17.73                    |                              | 0        |
|                                 | 50      | 0         | 17.80                    |                              | 0        |
| 64QAM                           | 1       | 0         | 18.35                    | 0-2                          | 0        |
|                                 | 1       | 25        | 18.07                    |                              | 0        |
|                                 | 1       | 49        | 17.92                    |                              | 0        |
|                                 | 25      | 0         | 17.94                    | 0-3                          | 0        |
|                                 | 25      | 12        | 17.90                    |                              | 0        |
|                                 | 25      | 25        | 17.75                    |                              | 0        |
|                                 | 50      | 0         | 17.88                    |                              | 0        |
| 256QAM                          | 1       | 0         | 17.95                    | 0-5                          | 0        |
|                                 | 1       | 25        | 18.06                    |                              | 0        |
|                                 | 1       | 49        | 17.74                    |                              | 0        |
|                                 | 25      | 0         | 17.97                    |                              | 0        |
|                                 | 25      | 12        | 17.91                    |                              | 0        |
|                                 | 25      | 25        | 17.76                    |                              | 0        |
|                                 | 50      | 0         | 17.79                    |                              | 0        |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 69 of 337                  |

**Table 9-33**  
**LTE Band 30 Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 20 MHz Bandwidth**

| LTE Band 30<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 27710<br>(2310.0 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 21.29                    | 0                            | 0        |
|                                 | 1       | 25        | 21.22                    |                              | 0        |
|                                 | 1       | 49        | 21.26                    |                              | 0        |
|                                 | 25      | 0         | 21.28                    | 0-1                          | 0        |
|                                 | 25      | 12        | 21.38                    |                              | 0        |
|                                 | 25      | 25        | 21.27                    |                              | 0        |
|                                 | 50      | 0         | 21.28                    |                              | 0        |
| 16QAM                           | 1       | 0         | 21.27                    | 0-1                          | 0        |
|                                 | 1       | 25        | 21.44                    |                              | 0        |
|                                 | 1       | 49        | 21.32                    |                              | 0        |
|                                 | 25      | 0         | 21.41                    | 0-2                          | 0        |
|                                 | 25      | 12        | 21.48                    |                              | 0        |
|                                 | 25      | 25        | 21.36                    |                              | 0        |
|                                 | 50      | 0         | 21.31                    |                              | 0        |
| 64QAM                           | 1       | 0         | 21.34                    | 0-2                          | 0        |
|                                 | 1       | 25        | 21.48                    |                              | 0        |
|                                 | 1       | 49        | 21.50                    |                              | 0        |
|                                 | 25      | 0         | 20.11                    | 0-3                          | 1        |
|                                 | 25      | 12        | 20.38                    |                              | 1        |
|                                 | 25      | 25        | 20.34                    |                              | 1        |
|                                 | 50      | 0         | 20.30                    |                              | 1        |
| 256QAM                          | 1       | 0         | 18.09                    | 0-5                          | 3        |
|                                 | 1       | 25        | 18.18                    |                              | 3        |
|                                 | 1       | 49        | 18.14                    |                              | 3        |
|                                 | 25      | 0         | 18.45                    |                              | 3        |
|                                 | 25      | 12        | 18.44                    |                              | 3        |
|                                 | 25      | 25        | 18.40                    |                              | 3        |
|                                 | 50      | 0         | 18.34                    |                              | 3        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 70 of 337                  |

## 9.4.4 LTE Band 7

Table 9-34

LTE Band 7 Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 20 MHz Bandwidth

| LTE Band 7<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 23.83                 | 24.02                 | 24.01                 | 0                            | 0        |
|                                | 1       | 50        | 23.83                 | 23.89                 | 23.89                 |                              | 0        |
|                                | 1       | 99        | 23.88                 | 23.88                 | 23.82                 |                              | 0        |
|                                | 50      | 0         | 22.85                 | 22.94                 | 23.00                 | 0-1                          | 1        |
|                                | 50      | 25        | 23.04                 | 23.08                 | 22.99                 |                              | 1        |
|                                | 50      | 50        | 22.97                 | 22.97                 | 22.91                 |                              | 1        |
| 16QAM                          | 100     | 0         | 22.94                 | 23.00                 | 22.91                 | 1                            |          |
|                                | 1       | 0         | 23.13                 | 23.18                 | 23.23                 | 0-1                          | 1        |
|                                | 1       | 50        | 23.07                 | 23.17                 | 23.20                 |                              | 1        |
|                                | 1       | 99        | 23.05                 | 23.20                 | 23.17                 |                              | 1        |
|                                | 50      | 0         | 21.83                 | 21.93                 | 22.02                 | 0-2                          | 2        |
|                                | 50      | 25        | 22.00                 | 22.10                 | 22.02                 |                              | 2        |
| 50                             | 50      | 21.95     | 21.96                 | 21.97                 | 2                     |                              |          |
| 64QAM                          | 100     | 0         | 21.97                 | 22.00                 | 22.00                 | 2                            |          |
|                                | 1       | 0         | 22.10                 | 22.11                 | 22.23                 | 0-2                          | 2        |
|                                | 1       | 50        | 22.15                 | 22.15                 | 22.27                 |                              | 2        |
|                                | 1       | 99        | 22.14                 | 22.15                 | 22.11                 |                              | 2        |
|                                | 50      | 0         | 20.83                 | 20.95                 | 21.03                 | 0-3                          | 3        |
|                                | 50      | 25        | 21.00                 | 21.06                 | 21.03                 |                              | 3        |
| 50                             | 50      | 21.00     | 20.98                 | 20.96                 | 3                     |                              |          |
| 256QAM                         | 100     | 0         | 20.97                 | 21.01                 | 21.00                 | 3                            |          |
|                                | 1       | 0         | 18.66                 | 18.92                 | 18.97                 | 0-5                          | 5        |
|                                | 1       | 50        | 19.10                 | 19.12                 | 19.14                 |                              | 5        |
|                                | 1       | 99        | 18.86                 | 18.97                 | 18.66                 |                              | 5        |
|                                | 50      | 0         | 18.80                 | 18.92                 | 18.96                 |                              | 5        |
|                                | 50      | 25        | 19.00                 | 19.07                 | 19.01                 |                              | 5        |
| 50                             | 50      | 18.92     | 18.96                 | 18.92                 | 5                     |                              |          |
|                                | 100     | 0         | 18.91                 | 19.04                 | 18.89                 | 5                            |          |

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                        | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 71 of 337                         |

**Table 9-35**  
**LTE Band 7 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 20 MHz Bandwidth**

| LTE Band 7<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 18.07                 | 17.98                 | 18.34                 | 0                            | 0        |
|                                | 1       | 50        | 18.10                 | 17.95                 | 18.06                 |                              | 0        |
|                                | 1       | 99        | 18.23                 | 17.94                 | 18.04                 |                              | 0        |
|                                | 50      | 0         | 18.02                 | 17.97                 | 18.10                 | 0-1                          | 0        |
|                                | 50      | 25        | 18.34                 | 18.10                 | 18.35                 |                              | 0        |
|                                | 50      | 50        | 18.14                 | 18.00                 | 18.07                 |                              | 0        |
| 16QAM                          | 100     | 0         | 18.13                 | 18.02                 | 18.07                 | 0                            |          |
|                                | 1       | 0         | 18.47                 | 18.35                 | 18.50                 | 0-1                          | 0        |
|                                | 1       | 50        | 18.36                 | 18.40                 | 18.50                 |                              | 0        |
|                                | 1       | 99        | 18.33                 | 18.45                 | 18.49                 |                              | 0        |
|                                | 50      | 0         | 18.09                 | 17.99                 | 18.13                 | 0-2                          | 0        |
|                                | 50      | 25        | 18.27                 | 18.14                 | 18.18                 |                              | 0        |
| 50                             | 50      | 18.20     | 18.02                 | 18.12                 | 0                     |                              |          |
| 64QAM                          | 100     | 0         | 18.17                 | 18.10                 | 18.09                 | 0                            |          |
|                                | 1       | 0         | 18.38                 | 18.16                 | 18.22                 | 0-2                          | 0        |
|                                | 1       | 50        | 18.42                 | 18.16                 | 18.19                 |                              | 0        |
|                                | 1       | 99        | 18.41                 | 18.20                 | 18.12                 |                              | 0        |
|                                | 50      | 0         | 18.12                 | 18.20                 | 18.21                 | 0-3                          | 0        |
|                                | 50      | 25        | 18.27                 | 18.33                 | 18.23                 |                              | 0        |
| 50                             | 50      | 18.23     | 18.23                 | 18.17                 | 0                     |                              |          |
| 256QAM                         | 100     | 0         | 18.17                 | 18.23                 | 18.14                 | 0                            |          |
|                                | 1       | 0         | 17.98                 | 18.14                 | 18.04                 | 0-5                          | 0        |
|                                | 1       | 50        | 18.38                 | 18.39                 | 18.26                 |                              | 0        |
|                                | 1       | 99        | 18.13                 | 18.20                 | 17.92                 |                              | 0        |
|                                | 50      | 0         | 18.14                 | 18.18                 | 18.19                 |                              | 0        |
|                                | 50      | 25        | 18.33                 | 18.34                 | 18.21                 |                              | 0        |
| 50                             | 50      | 18.27     | 18.20                 | 18.18                 | 0                     |                              |          |
| 100                            | 0       | 18.25     | 18.19                 | 18.15                 | 0                     |                              |          |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 72 of 337                  |

**Table 9-36**  
**LTE Band 7 Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), or and/or DSI = 4 (Earjack active)**  
**- 20 MHz Bandwidth**

| LTE Band 7<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 20850<br>(2510.0 MHz) | 21100<br>(2535.0 MHz) | 21350<br>(2560.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 20.78                 | 21.01                 | 20.93                 | 0                            | 0        |
|                                | 1       | 50        | 20.75                 | 20.89                 | 20.86                 |                              | 0        |
|                                | 1       | 99        | 20.73                 | 20.91                 | 20.79                 |                              | 0        |
|                                | 50      | 0         | 20.77                 | 20.90                 | 20.94                 | 0-1                          | 0        |
|                                | 50      | 25        | 20.95                 | 21.05                 | 20.95                 |                              | 0        |
|                                | 50      | 50        | 20.85                 | 20.95                 | 20.86                 |                              | 0        |
|                                | 100     | 0         | 20.86                 | 21.00                 | 20.89                 | 0                            |          |
| 16QAM                          | 1       | 0         | 21.11                 | 21.14                 | 21.16                 | 0-1                          | 0        |
|                                | 1       | 50        | 21.00                 | 21.10                 | 21.16                 |                              | 0        |
|                                | 1       | 99        | 21.01                 | 21.20                 | 21.05                 |                              | 0        |
|                                | 50      | 0         | 20.74                 | 20.87                 | 20.97                 | 0-2                          | 0        |
|                                | 50      | 25        | 20.96                 | 21.05                 | 20.94                 |                              | 0        |
|                                | 50      | 50        | 20.85                 | 20.96                 | 20.86                 |                              | 0        |
|                                | 100     | 0         | 20.87                 | 20.92                 | 20.87                 | 0                            |          |
| 64QAM                          | 1       | 0         | 21.05                 | 21.11                 | 21.21                 | 0-2                          | 0        |
|                                | 1       | 50        | 21.08                 | 21.11                 | 21.16                 |                              | 0        |
|                                | 1       | 99        | 21.12                 | 21.16                 | 21.13                 |                              | 0        |
|                                | 50      | 0         | 20.80                 | 20.89                 | 20.98                 | 0-3                          | 0        |
|                                | 50      | 25        | 20.97                 | 21.04                 | 20.96                 |                              | 0        |
|                                | 50      | 50        | 20.89                 | 20.94                 | 20.87                 |                              | 0        |
|                                | 100     | 0         | 20.85                 | 20.97                 | 20.86                 | 0                            |          |
| 256QAM                         | 1       | 0         | 18.69                 | 18.91                 | 18.92                 | 0-5                          | 2        |
|                                | 1       | 50        | 19.00                 | 19.09                 | 19.10                 |                              | 2        |
|                                | 1       | 99        | 18.80                 | 18.90                 | 18.63                 |                              | 2        |
|                                | 50      | 0         | 18.77                 | 18.87                 | 18.93                 |                              | 2        |
|                                | 50      | 25        | 18.94                 | 19.04                 | 18.95                 |                              | 2        |
|                                | 50      | 50        | 18.87                 | 18.89                 | 18.84                 |                              | 2        |
|                                | 100     | 0         | 18.88                 | 18.97                 | 18.86                 |                              | 2        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 73 of 337                  |

## 9.4.5 LTE Band 48

Table 9-37

LTE Band 48 Measured  $P_{limit}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 20 MHz Bandwidth

| LTE Band 48<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55340<br>(3560.0 MHz) | 55773<br>(3603.3 MHz) | 56207<br>(3646.7 MHz) | 56640<br>(3690.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 21.86                 | 21.89                 | 22.08                 | 22.20                 | 0                            | 0        |
|                                 | 1       | 50        | 21.98                 | 21.97                 | 22.30                 | 22.00                 |                              | 0        |
|                                 | 1       | 99        | 22.00                 | 22.00                 | 22.14                 | 21.95                 |                              | 0        |
|                                 | 50      | 0         | 21.92                 | 21.93                 | 22.04                 | 22.07                 | 0-1                          | 0        |
|                                 | 50      | 25        | 22.07                 | 22.11                 | 22.27                 | 22.21                 |                              | 0        |
|                                 | 50      | 50        | 21.97                 | 21.97                 | 22.04                 | 22.00                 |                              | 0        |
|                                 | 100     | 0         | 22.07                 | 21.99                 | 22.08                 | 22.04                 |                              | 0        |
| 16QAM                           | 1       | 0         | 21.51                 | 21.94                 | 22.19                 | 21.70                 | 0-1                          | 0        |
|                                 | 1       | 50        | 21.62                 | 22.06                 | 22.21                 | 21.75                 |                              | 0        |
|                                 | 1       | 99        | 21.59                 | 22.01                 | 22.14                 | 21.63                 |                              | 0        |
|                                 | 50      | 0         | 21.88                 | 21.86                 | 21.98                 | 21.96                 | 0-2                          | 0        |
|                                 | 50      | 25        | 22.02                 | 22.01                 | 22.14                 | 22.04                 |                              | 0        |
|                                 | 50      | 50        | 21.93                 | 21.88                 | 22.03                 | 21.87                 |                              | 0        |
|                                 | 100     | 0         | 21.87                 | 21.96                 | 22.03                 | 21.97                 |                              | 0        |
| 64QAM                           | 1       | 0         | 21.17                 | 21.56                 | 21.83                 | 22.00                 | 0-2                          | 0        |
|                                 | 1       | 50        | 21.23                 | 21.72                 | 21.90                 | 22.02                 |                              | 0        |
|                                 | 1       | 99        | 21.27                 | 21.71                 | 21.84                 | 21.93                 |                              | 0        |
|                                 | 50      | 0         | 20.85                 | 20.77                 | 20.92                 | 20.95                 | 0-3                          | 1        |
|                                 | 50      | 25        | 21.00                 | 20.94                 | 21.05                 | 21.02                 |                              | 1        |
|                                 | 50      | 50        | 20.90                 | 20.80                 | 20.95                 | 20.86                 |                              | 1        |
|                                 | 100     | 0         | 20.88                 | 20.90                 | 21.01                 | 20.96                 |                              | 1        |
| 256QAM                          | 1       | 0         | 18.42                 | 18.51                 | 18.52                 | 18.71                 | 0-5                          | 3        |
|                                 | 1       | 50        | 18.87                 | 18.75                 | 18.94                 | 19.00                 |                              | 3        |
|                                 | 1       | 99        | 18.63                 | 18.41                 | 18.56                 | 18.56                 |                              | 3        |
|                                 | 50      | 0         | 18.84                 | 18.86                 | 18.99                 | 19.00                 |                              | 3        |
|                                 | 50      | 25        | 18.97                 | 19.01                 | 19.12                 | 19.08                 |                              | 3        |
|                                 | 50      | 50        | 18.88                 | 18.88                 | 19.00                 | 18.90                 |                              | 3        |
|                                 | 100     | 0         | 18.83                 | 18.90                 | 19.02                 | 18.88                 |                              | 3        |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 74 of 337                  |

Table 9-38

LTE Band 48 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode), or DSI = 2 (Head) - 20 MHz Bandwidth

| LTE Band 48<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 55340<br>(3560.0 MHz) | 55773<br>(3603.3 MHz) | 56207<br>(3646.7 MHz) | 56640<br>(3690.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 17.06                 | 17.08                 | 17.11                 | 17.23                 | 0                            | 0        |
|                                 | 1       | 50        | 17.09                 | 17.10                 | 17.21                 | 17.20                 |                              | 0        |
|                                 | 1       | 99        | 17.09                 | 17.09                 | 17.10                 | 17.18                 |                              | 0        |
|                                 | 50      | 0         | 17.10                 | 17.08                 | 17.21                 | 17.22                 | 0-1                          | 0        |
|                                 | 50      | 25        | 17.09                 | 17.10                 | 17.21                 | 17.18                 |                              | 0        |
|                                 | 50      | 50        | 17.11                 | 17.12                 | 17.21                 | 17.20                 |                              | 0        |
|                                 | 100     | 0         | 17.08                 | 17.06                 | 17.10                 | 17.21                 |                              | 0        |
| 16QAM                           | 1       | 0         | 17.08                 | 17.09                 | 17.22                 | 17.16                 | 0-1                          | 0        |
|                                 | 1       | 50        | 17.14                 | 17.10                 | 17.24                 | 17.14                 |                              | 0        |
|                                 | 1       | 99        | 17.10                 | 17.11                 | 17.21                 | 17.18                 |                              | 0        |
|                                 | 50      | 0         | 17.11                 | 17.09                 | 17.22                 | 17.17                 | 0-2                          | 0        |
|                                 | 50      | 25        | 17.11                 | 17.09                 | 17.21                 | 17.17                 |                              | 0        |
|                                 | 50      | 50        | 17.09                 | 17.10                 | 17.22                 | 17.18                 |                              | 0        |
|                                 | 100     | 0         | 17.10                 | 17.07                 | 17.22                 | 17.17                 |                              | 0        |
| 64QAM                           | 1       | 0         | 17.11                 | 17.25                 | 17.29                 | 17.22                 | 0-2                          | 0        |
|                                 | 1       | 50        | 17.10                 | 17.28                 | 17.29                 | 17.19                 |                              | 0        |
|                                 | 1       | 99        | 17.14                 | 17.24                 | 17.30                 | 17.20                 |                              | 0        |
|                                 | 50      | 0         | 17.12                 | 17.23                 | 17.29                 | 17.21                 | 0-3                          | 0        |
|                                 | 50      | 25        | 17.11                 | 17.26                 | 17.30                 | 17.20                 |                              | 0        |
|                                 | 50      | 50        | 17.13                 | 17.25                 | 17.28                 | 17.21                 |                              | 0        |
|                                 | 100     | 0         | 17.11                 | 17.28                 | 17.26                 | 17.22                 |                              | 0        |
| 256QAM                          | 1       | 0         | 16.64                 | 17.26                 | 17.09                 | 17.10                 | 0-5                          | 0        |
|                                 | 1       | 50        | 17.05                 | 17.54                 | 17.41                 | 17.24                 |                              | 0        |
|                                 | 1       | 99        | 17.00                 | 17.22                 | 17.06                 | 16.87                 |                              | 0        |
|                                 | 50      | 0         | 17.12                 | 17.20                 | 17.23                 | 17.30                 |                              | 0        |
|                                 | 50      | 25        | 17.24                 | 17.36                 | 17.39                 | 17.30                 |                              | 0        |
|                                 | 50      | 50        | 17.20                 | 17.24                 | 17.27                 | 17.18                 |                              | 0        |
|                                 | 100     | 0         | 17.15                 | 17.28                 | 17.24                 | 17.24                 |                              | 0        |

FCC ID: A3LSMF711U



SAR EVALUATION REPORT



Approved by:

Quality Manager

Document S/N:

1M2104070032-01.A3L (Rev1)

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DUT Type:

Portable Handset

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## 9.4.6 LTE Band 41

Table 9-39

LTE Band 41 PC3 Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 20 MHz Bandwidth

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 24.33                 | 24.26                 | 24.04                 | 24.32                 | 24.12                 | 0                            | 0        |
|                                 | 1       | 50        | 24.31                 | 24.20                 | 24.36                 | 24.42                 | 24.54                 |                              | 0        |
|                                 | 1       | 99        | 24.29                 | 24.25                 | 24.11                 | 24.13                 | 24.40                 |                              | 0        |
|                                 | 50      | 0         | 23.27                 | 23.25                 | 23.34                 | 23.48                 | 23.41                 | 0-1                          | 1        |
|                                 | 50      | 25        | 23.45                 | 23.41                 | 23.48                 | 23.53                 | 23.54                 |                              | 1        |
|                                 | 50      | 50        | 23.38                 | 23.27                 | 23.49                 | 23.48                 | 23.60                 |                              | 1        |
|                                 | 100     | 0         | 23.38                 | 23.31                 | 23.37                 | 23.45                 | 23.47                 |                              | 1        |
| 16QAM                           | 1       | 0         | 23.72                 | 23.80                 | 23.55                 | 23.63                 | 23.41                 | 0-1                          | 1        |
|                                 | 1       | 50        | 23.67                 | 23.77                 | 23.89                 | 23.85                 | 23.78                 |                              | 1        |
|                                 | 1       | 99        | 23.68                 | 23.80                 | 23.64                 | 23.45                 | 23.73                 |                              | 1        |
|                                 | 50      | 0         | 22.22                 | 22.25                 | 22.37                 | 22.46                 | 22.33                 | 0-2                          | 2        |
|                                 | 50      | 25        | 22.41                 | 22.40                 | 22.50                 | 22.51                 | 22.48                 |                              | 2        |
|                                 | 50      | 50        | 22.35                 | 22.29                 | 22.52                 | 22.45                 | 22.54                 |                              | 2        |
|                                 | 100     | 0         | 22.36                 | 22.33                 | 22.41                 | 22.43                 | 22.40                 |                              | 2        |
| 64QAM                           | 1       | 0         | 22.58                 | 21.97                 | 22.34                 | 22.46                 | 22.28                 | 0-2                          | 2        |
|                                 | 1       | 50        | 22.60                 | 22.01                 | 22.76                 | 22.77                 | 22.70                 |                              | 2        |
|                                 | 1       | 99        | 22.62                 | 22.03                 | 22.48                 | 22.35                 | 22.61                 |                              | 2        |
|                                 | 50      | 0         | 21.28                 | 21.28                 | 21.42                 | 21.48                 | 21.37                 | 0-3                          | 3        |
|                                 | 50      | 25        | 21.46                 | 21.40                 | 21.51                 | 21.54                 | 21.49                 |                              | 3        |
|                                 | 50      | 50        | 21.40                 | 21.30                 | 21.52                 | 21.49                 | 21.54                 |                              | 3        |
|                                 | 100     | 0         | 21.40                 | 21.35                 | 21.44                 | 21.42                 | 21.43                 |                              | 3        |
| 256QAM                          | 1       | 0         | 19.09                 | 19.00                 | 19.15                 | 19.35                 | 19.13                 | 0-5                          | 5        |
|                                 | 1       | 50        | 19.43                 | 19.33                 | 19.55                 | 19.61                 | 19.52                 |                              | 5        |
|                                 | 1       | 99        | 19.22                 | 18.95                 | 19.31                 | 19.21                 | 19.39                 |                              | 5        |
|                                 | 50      | 0         | 19.29                 | 19.28                 | 19.43                 | 19.48                 | 19.37                 |                              | 5        |
|                                 | 50      | 25        | 19.49                 | 19.42                 | 19.56                 | 19.53                 | 19.52                 |                              | 5        |
|                                 | 50      | 50        | 19.42                 | 19.28                 | 19.55                 | 19.48                 | 19.56                 |                              | 5        |
|                                 | 100     | 0         | 19.38                 | 19.33                 | 19.46                 | 19.42                 | 19.46                 |                              | 5        |

Table 9-40

LTE Band 41 PC2 Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 20 MHz Bandwidth

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                           |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per 3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                           |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                           |          |
| QPSK                            | 1       | 0         | 26.84                 | 26.88                 | 26.69                 | 26.70                 | 26.51                 | 0                         | 0        |
|                                 | 1       | 50        | 26.79                 | 26.86                 | 27.00                 | 26.95                 | 26.99                 |                           | 0        |
|                                 | 1       | 99        | 26.80                 | 26.90                 | 26.80                 | 26.52                 | 26.81                 |                           | 0        |
|                                 | 50      | 0         | 25.82                 | 25.79                 | 25.96                 | 25.76                 | 25.94                 | 0-1                       | 1        |
|                                 | 50      | 25        | 25.58                 | 25.95                 | 25.87                 | 25.99                 | 25.99                 |                           | 1        |
|                                 | 50      | 50        | 25.93                 | 25.81                 | 25.99                 | 25.89                 | 25.97                 |                           | 1        |
|                                 | 100     | 0         | 25.91                 | 25.85                 | 25.99                 | 25.99                 | 25.87                 |                           | 1        |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 76 of 337                  |



**Table 9-41**  
**LTE Band 41 PC3 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 20.35                 | 20.30                 | 19.99                 | 19.96                 | 19.90                 | 0                            | 0        |
|                                 | 1       | 50        | 20.40                 | 20.25                 | 20.25                 | 20.15                 | 19.80                 |                              | 0        |
|                                 | 1       | 99        | 20.39                 | 20.23                 | 20.03                 | 19.82                 | 20.21                 |                              | 0        |
|                                 | 50      | 0         | 20.32                 | 20.24                 | 20.30                 | 20.18                 | 20.13                 | 0-1                          | 0        |
|                                 | 50      | 25        | 20.48                 | 20.36                 | 20.32                 | 20.22                 | 20.21                 |                              | 0        |
|                                 | 50      | 50        | 20.46                 | 20.28                 | 20.36                 | 20.20                 | 20.24                 |                              | 0        |
|                                 | 100     | 0         | 20.34                 | 20.28                 | 20.29                 | 20.18                 | 20.23                 |                              | 0        |
| 16QAM                           | 1       | 0         | 20.32                 | 20.31                 | 19.85                 | 20.02                 | 19.70                 | 0-1                          | 0        |
|                                 | 1       | 50        | 20.35                 | 20.27                 | 20.32                 | 20.26                 | 19.93                 |                              | 0        |
|                                 | 1       | 99        | 20.34                 | 20.25                 | 20.07                 | 19.86                 | 20.11                 |                              | 0        |
|                                 | 50      | 0         | 20.32                 | 20.20                 | 20.21                 | 20.25                 | 20.21                 | 0-2                          | 0        |
|                                 | 50      | 25        | 20.31                 | 20.29                 | 20.21                 | 20.32                 | 20.26                 |                              | 0        |
|                                 | 50      | 50        | 20.38                 | 20.23                 | 20.34                 | 20.24                 | 20.19                 |                              | 0        |
|                                 | 100     | 0         | 20.40                 | 20.26                 | 20.26                 | 20.24                 | 20.24                 |                              | 0        |
| 64QAM                           | 1       | 0         | 20.21                 | 20.02                 | 19.74                 | 19.81                 | 19.90                 | 0-2                          | 0        |
|                                 | 1       | 50        | 20.15                 | 20.00                 | 20.02                 | 19.75                 | 19.82                 |                              | 0        |
|                                 | 1       | 99        | 20.14                 | 20.02                 | 19.89                 | 20.05                 | 20.18                 |                              | 0        |
|                                 | 50      | 0         | 20.32                 | 20.12                 | 20.24                 | 20.26                 | 20.25                 | 0-3                          | 0        |
|                                 | 50      | 25        | 20.40                 | 20.24                 | 20.26                 | 20.33                 | 20.27                 |                              | 0        |
|                                 | 50      | 50        | 20.38                 | 20.28                 | 20.37                 | 20.28                 | 20.35                 |                              | 0        |
|                                 | 100     | 0         | 20.37                 | 20.25                 | 20.28                 | 20.23                 | 20.28                 |                              | 0        |
| 256QAM                          | 1       | 0         | 19.58                 | 19.50                 | 19.50                 | 19.62                 | 19.38                 | 0-5                          | 0        |
|                                 | 1       | 50        | 19.72                 | 19.75                 | 19.85                 | 19.56                 | 19.76                 |                              | 0        |
|                                 | 1       | 99        | 19.71                 | 19.44                 | 19.65                 | 19.42                 | 19.77                 |                              | 0        |
|                                 | 50      | 0         | 19.80                 | 19.70                 | 19.77                 | 19.66                 | 19.65                 |                              | 0        |
|                                 | 50      | 25        | 19.80                 | 19.82                 | 19.88                 | 19.80                 | 19.60                 |                              | 0        |
|                                 | 50      | 50        | 19.95                 | 19.75                 | 19.90                 | 19.85                 | 19.78                 |                              | 0        |
|                                 | 100     | 0         | 19.92                 | 19.77                 | 19.83                 | 19.77                 | 19.69                 |                              | 0        |

**Table 9-42**  
**LTE Band 41 PC2 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 22.10                 | 22.06                 | 21.80                 | 21.90                 | 21.65                 | 0                            | 0        |
|                                 | 1       | 50        | 22.05                 | 22.07                 | 21.99                 | 22.01                 | 21.91                 |                              | 0        |
|                                 | 1       | 99        | 22.04                 | 22.00                 | 21.86                 | 21.82                 | 21.98                 |                              | 0        |
|                                 | 50      | 0         | 22.09                 | 22.04                 | 22.00                 | 22.00                 | 21.95                 | 0-1                          | 0        |
|                                 | 50      | 25        | 22.10                 | 22.09                 | 22.04                 | 22.08                 | 21.87                 |                              | 0        |
|                                 | 50      | 50        | 22.09                 | 22.04                 | 22.10                 | 22.04                 | 22.02                 |                              | 0        |
|                                 | 100     | 0         | 22.09                 | 22.06                 | 22.08                 | 21.97                 | 21.95                 |                              | 0        |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 77 of 337                  |

Table 9-43

LTE Band 41 PC3 Measured  $P_{Limit}$  DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active)  
- 20 MHz Bandwidth

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 23.31                 | 23.37                 | 23.18                 | 23.08                 | 22.93                 | 0                            | 0        |
|                                 | 1       | 50        | 23.30                 | 23.40                 | 23.42                 | 23.25                 | 23.28                 |                              | 0        |
|                                 | 1       | 99        | 23.27                 | 23.38                 | 23.16                 | 22.95                 | 23.24                 |                              | 0        |
|                                 | 50      | 0         | 23.32                 | 23.33                 | 23.35                 | 23.32                 | 23.14                 | 0-1                          | 0        |
|                                 | 50      | 25        | 23.44                 | 23.34                 | 23.45                 | 23.39                 | 23.26                 |                              | 0        |
|                                 | 50      | 50        | 23.43                 | 23.38                 | 23.44                 | 23.32                 | 23.34                 |                              | 0        |
|                                 | 100     | 0         | 23.39                 | 23.35                 | 23.34                 | 23.26                 | 23.22                 |                              | 0        |
| 16QAM                           | 1       | 0         | 23.52                 | 23.39                 | 23.35                 | 23.30                 | 22.72                 | 0-1                          | 0        |
|                                 | 1       | 50        | 23.54                 | 23.35                 | 23.68                 | 23.40                 | 23.11                 |                              | 0        |
|                                 | 1       | 99        | 23.48                 | 23.34                 | 23.44                 | 23.07                 | 23.01                 |                              | 0        |
|                                 | 50      | 0         | 22.92                 | 22.77                 | 22.69                 | 22.74                 | 22.65                 | 0-2                          | 0.5      |
|                                 | 50      | 25        | 23.07                 | 22.88                 | 22.75                 | 23.03                 | 22.79                 |                              | 0.5      |
|                                 | 50      | 50        | 23.01                 | 22.77                 | 22.76                 | 23.10                 | 22.81                 |                              | 0.5      |
|                                 | 100     | 0         | 22.96                 | 22.73                 | 22.63                 | 22.99                 | 22.73                 |                              | 0.5      |
| 64QAM                           | 1       | 0         | 22.70                 | 22.66                 | 22.25                 | 22.73                 | 22.37                 | 0-2                          | 0.5      |
|                                 | 1       | 50        | 22.65                 | 22.49                 | 22.42                 | 22.85                 | 22.82                 |                              | 0.5      |
|                                 | 1       | 99        | 22.65                 | 22.49                 | 22.22                 | 22.69                 | 22.73                 |                              | 0.5      |
|                                 | 50      | 0         | 21.90                 | 21.75                 | 21.67                 | 22.05                 | 21.77                 | 0-3                          | 1.5      |
|                                 | 50      | 25        | 21.89                 | 21.95                 | 21.82                 | 22.09                 | 21.79                 |                              | 1.5      |
|                                 | 50      | 50        | 21.99                 | 21.92                 | 21.80                 | 22.07                 | 21.81                 |                              | 1.5      |
|                                 | 100     | 0         | 21.93                 | 21.95                 | 21.66                 | 21.89                 | 21.72                 |                              | 1.5      |
| 256QAM                          | 1       | 0         | 19.67                 | 19.70                 | 19.50                 | 20.03                 | 19.35                 | 0-5                          | 3.5      |
|                                 | 1       | 50        | 19.90                 | 20.01                 | 19.78                 | 20.18                 | 19.79                 |                              | 3.5      |
|                                 | 1       | 99        | 19.70                 | 19.60                 | 19.55                 | 19.84                 | 19.65                 |                              | 3.5      |
|                                 | 50      | 0         | 19.83                 | 19.84                 | 19.66                 | 20.06                 | 19.51                 |                              | 3.5      |
|                                 | 50      | 25        | 20.01                 | 19.94                 | 19.77                 | 20.09                 | 19.64                 |                              | 3.5      |
|                                 | 50      | 50        | 19.95                 | 19.85                 | 19.78                 | 20.03                 | 19.62                 |                              | 3.5      |
|                                 | 100     | 0         | 19.93                 | 19.82                 | 19.65                 | 19.30                 | 19.70                 |                              | 3.5      |

Table 9-44

LTE Band 41 PC2 Measured  $P_{Limit}$  DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active)  
- 20 MHz Bandwidth

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 25.20                 | 25.09                 | 24.78                 | 24.93                 | 24.70                 | 0                            | 0        |
|                                 | 1       | 50        | 25.18                 | 25.04                 | 25.13                 | 25.12                 | 25.00                 |                              | 0        |
|                                 | 1       | 99        | 25.14                 | 25.03                 | 24.91                 | 24.70                 | 24.90                 |                              | 0        |
|                                 | 50      | 0         | 25.09                 | 25.00                 | 25.08                 | 25.06                 | 24.99                 | 0-1                          | 0        |
|                                 | 50      | 25        | 25.25                 | 25.14                 | 25.16                 | 25.11                 | 25.08                 |                              | 0        |
|                                 | 50      | 50        | 25.21                 | 25.02                 | 25.18                 | 25.10                 | 25.10                 |                              | 0        |
|                                 | 100     | 0         | 25.18                 | 25.03                 | 25.07                 | 25.05                 | 25.04                 |                              | 0        |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 78 of 337                  |

## 9.4.7 LTE Uplink Carrier Aggregation Conducted Powers

**Table 9-45**  
**LTE Uplink Carrier Aggregation Measured  $P_{Max}$**

|             | PCC         |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  | Power                                 |                                   |
|-------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|-------------|---------------------|---------------------|-----------------------------|------------------|--------------------------|------------------|---------------------------------------|-----------------------------------|------------|------------------|---------------------------------------|-----------------------------------|
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC UL Channel      | PCC UL Frequency [MHz]      | PCC DL Channel | PCC DL Frequency [MHz] | Modulation       | PCC UL# RB  | PCC UL RB Offset    | SCC Band            | SCC Bandwidth [MHz]         | SCC UL Channel   | SCC UL Frequency [MHz]   | SCC DL Channel   | SCC DL Frequency [MHz]                | Modulation                        | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_5B       | LTE B5      | 10                  | 20525               | 836.5                       | 2525           | 881.5                  | QPSK             | 1           | 49                  | LTE B5              | 5                           | 20597            | 843.7                    | 2597             | 888.7                                 | QPSK                              | 1          | 0                | 23.90                                 | 23.67                             |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  | Power                                 |                                   |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL) Channel    | PCC (UL) Frequency [MHz]    | PCC DL Channel | PCC DL Frequency [MHz] | Modulation       | PCC UL# RB  | PCC UL RB Offset    | SCC Band            | SCC Bandwidth [MHz]         | SCC (UL) Channel | SCC (UL) Frequency [MHz] | SCC (DL) Channel | SCC (DL) Frequency [MHz]              | Modulation                        | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_66C      | LTE B66     | 20                  | 132322              | 1745.0                      | 66786          | 2145.0                 | QPSK             | 1           | 99                  | LTE B66             | 20                          | 132520           | 1764.8                   | 66984            | 2164.8                                | QPSK                              | 1          | 0                | 23.65                                 | 23.70                             |
| CA_66C      | LTE B66     | 20                  | 132572              | 1770.0                      | 67036          | 2170.0                 | QPSK             | 1           | 0                   | LTE B66             | 20                          | 132374           | 1750.2                   | 66838            | 2150.2                                | QPSK                              | 1          | 99               | 24.31                                 | 23.82                             |
| CA_66B      | LTE B66     | 10                  | 132322              | 1745.0                      | 66786          | 2145.0                 | QPSK             | 1           | 49                  | LTE B66             | 10                          | 132421           | 1754.9                   | 66885            | 2154.9                                | QPSK                              | 1          | 0                | 24.01                                 | 23.72                             |
| CA_66B      | LTE B66     | 10                  | 132622              | 1775.0                      | 67086          | 2175.0                 | QPSK             | 1           | 0                   | LTE B66             | 10                          | 132523           | 1765.1                   | 66987            | 2165.1                                | QPSK                              | 1          | 49               | 24.19                                 | 23.61                             |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  | Power                                 |                                   |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation       | SCC UL# RB               | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |
| CA_41C      | LTE B41     | 20                  | 41490               | 2680.0                      | QPSK           | 1                      | 0                | LTE B41     | 20                  | 41292               | 2660.2                      | QPSK             | 1                        | 99               | 24.85                                 | 24.12                             |            |                  |                                       |                                   |
|             | PCC         |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  | Power                                 |                                   |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation       | SCC UL# RB               | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |
| CA_41C      | LTE B41 PC2 | 20                  | 41490               | 2680.0                      | QPSK           | 1                      | 0                | LTE B41 PC2 | 20                  | 41292               | 2660.2                      | QPSK             | 1                        | 99               | 26.67                                 | 26.51                             |            |                  |                                       |                                   |

**Table 9-46**  
**LTE Uplink Carrier Aggregation Measured  $P_{limit}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active)**

|             | PCC      |                     |                     |                             |            |            |                  | SCC      |                     |                     |                             |            |            |                  | Power                                 |                                   |
|-------------|----------|---------------------|---------------------|-----------------------------|------------|------------|------------------|----------|---------------------|---------------------|-----------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
| Combination | PCC Band | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_48C      | LTE_B48  | 20                  | 56207               | 3646.7                      | QPSK       | 50         | 50               | LTE_B48  | 20                  | 56405               | 3666.5                      | QPSK       | 50         | 0                | 22.00                                 | 22.04                             |

**Table 9-47**  
**LTE Uplink Carrier Aggregation  $P_{limit}$  for DSI = 3 (Hotspot Mode), or DSI = 2 (Head)**

|             | PCC      |                     |                     |                             |            |            |                  | SCC      |                     |                     |                             |            |            |                  | Power                                 |                                   |
|-------------|----------|---------------------|---------------------|-----------------------------|------------|------------|------------------|----------|---------------------|---------------------|-----------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
| Combination | PCC Band | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_48C      | LTE B48  | 20                  | 56640               | 3690.0                      | QPSK       | 1          | 0                | LTE B48  | 20                  | 56442               | 3670.2                      | QPSK       | 1          | 99               | 17.21                                 | 17.23                             |
| CA_48C      | LTE B48  | 20                  | 56640               | 3690.0                      | QPSK       | 50         | 0                | LTE B48  | 20                  | 56442               | 3670.2                      | QPSK       | 50         | 50               | 17.27                                 | 17.22                             |

**Table 9-48**  
**LTE Uplink Carrier Aggregation  $P_{limit}$  for DSI = 3 (Hotspot Mode)**

|             | PCC      |                     |                |                        |                |                        |            |            |                  | SCC      |                     |                |                        |                |                        |            |            |                  | Power                                 |                                   |
|-------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|----------|---------------------|----------------|------------------------|----------------|------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
| Combination | PCC Band | PCC Bandwidth [MHz] | PCC UL Channel | PCC UL Frequency [MHz] | PCC DL Channel | PCC DL Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band | SCC Bandwidth [MHz] | SCC UL Channel | SCC UL Frequency [MHz] | SCC DL Channel | SCC DL Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_5B       | LTE B5   | 10                  | 20525          | 836.5                  | 2525           | 881.5                  | QPSK       | 1          | 49               | LTE B5   | 5                   | 20597          | 843.7                  | 2597           | 888.7                  | QPSK       | 1          | 0                | 22.75                                 | 22.82                             |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 79 of 337                  |

Table 9-49

LTE Uplink Carrier Aggregation  $P_{limit}$  for DSI = 3 (Hotspot), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) for LTE Band 66/41 Conducted Powers

| PCC         |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  |                                       | Power                             |  |
|-------------|-------------|---------------------|---------------------|-----------------------------|----------------|------------------------|------------------|-------------|---------------------|---------------------|-----------------------------|------------------|--------------------------|------------------|---------------------------------------|-----------------------------------|------------|------------------|---------------------------------------|-----------------------------------|--|
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL) Channel    | PCC (UL) Frequency [MHz]    | PCC DL Channel | PCC DL Frequency [MHz] | Modulation       | PCC UL# RB  | PCC UL RB Offset    | SCC Band            | SCC Bandwidth [MHz]         | SCC (UL) Channel | SCC (UL) Frequency [MHz] | SCC (DL) Channel | SCC (DL) Frequency [MHz]              | Modulation                        | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |  |
| CA_66C      | LTE B66     | 20                  | 132322              | 1745.0                      | 66786          | 2145.0                 | QPSK             | 50          | 50                  | LTE B66             | 20                          | 132520           | 1764.8                   | 66984            | 2164.8                                | QPSK                              | 50         | 0                | 18.25                                 | 18.45                             |  |
| CA_66B      | LTE B66     | 10                  | 132322              | 1745.0                      | 66786          | 2145.0                 | QPSK             | 25          | 25                  | LTE B66             | 10                          | 132421           | 1754.9                   | 66885            | 2154.9                                | QPSK                              | 25         | 0                | 18.30                                 | 18.35                             |  |
| PCC         |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  |                                       | Power                             |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL) Channel    | PCC (UL) Frequency [MHz]    | PCC DL Channel | PCC DL Frequency [MHz] | Modulation       | PCC UL# RB  | PCC UL RB Offset    | SCC Band            | SCC Bandwidth [MHz]         | SCC (UL) Channel | SCC (UL) Frequency [MHz] | SCC (DL) Channel | SCC (DL) Frequency [MHz]              | Modulation                        | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |  |
| CA_66C      | LTE B66     | 20                  | 132072              | 1720.0                      | 66536          | 2120.0                 | QPSK             | 1           | 99                  | LTE B66             | 20                          | 132270           | 1739.8                   | 66734            | 2139.8                                | QPSK                              | 1          | 0                | 20.84                                 | 20.75                             |  |
| CA_66C      | LTE B66     | 20                  | 132322              | 1745.0                      | 66786          | 2145.0                 | QPSK             | 1           | 99                  | LTE B66             | 20                          | 132520           | 1764.8                   | 66984            | 2164.8                                | QPSK                              | 1          | 0                | 20.97                                 | 20.84                             |  |
| CA_66C      | LTE B66     | 20                  | 132572              | 1770.0                      | 67036          | 2170.0                 | QPSK             | 1           | 0                   | LTE B66             | 20                          | 132374           | 1750.2                   | 66838            | 2150.2                                | QPSK                              | 1          | 99               | 20.80                                 | 21.04                             |  |
| CA_66B      | LTE B66     | 10                  | 132022              | 1715.0                      | 66486          | 2115.0                 | QPSK             | 1           | 49                  | LTE B66             | 10                          | 132121           | 1724.9                   | 66585            | 2124.9                                | QPSK                              | 1          | 0                | 20.68                                 | 20.56                             |  |
| CA_66B      | LTE B66     | 10                  | 132322              | 1745.0                      | 66786          | 2145.0                 | QPSK             | 1           | 49                  | LTE B66             | 10                          | 132421           | 1754.9                   | 66885            | 2154.9                                | QPSK                              | 1          | 0                | 21.08                                 | 20.77                             |  |
| CA_66B      | LTE B66     | 10                  | 132622              | 1775.0                      | 67086          | 2175.0                 | QPSK             | 1           | 0                   | LTE B66             | 10                          | 132523           | 1765.1                   | 66987            | 2165.1                                | QPSK                              | 1          | 49               | 20.83                                 | 20.61                             |  |
| PCC         |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  |                                       | Power                             |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation       | SCC UL# RB               | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |  |
| CA_41C      | LTE B41     | 20                  | 41490               | 2680.0                      | QPSK           | 50                     | 0                | LTE B41     | 20                  | 41292               | 2660.2                      | QPSK             | 50                       | 50               | 23.21                                 | 23.14                             |            |                  |                                       |                                   |  |
| PCC         |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  |                                       | Power                             |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation       | SCC UL# RB               | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |  |
| CA_41C      | LTE B41 PC2 | 20                  | 41490               | 2680.0                      | QPSK           | 50                     | 0                | LTE B41 PC2 | 20                  | 41292               | 2660.2                      | QPSK             | 50                       | 50               | 25.09                                 | 24.99                             |            |                  |                                       |                                   |  |
| PCC         |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  |                                       | Power                             |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation       | SCC UL# RB               | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |  |
| CA_41C      | LTE B41     | 20                  | 41055               | 2636.5                      | QPSK           | 1                      | 0                | LTE B41     | 20                  | 40857               | 2616.7                      | QPSK             | 1                        | 99               | 20.20                                 | 19.96                             |            |                  |                                       |                                   |  |
| PCC         |             |                     |                     |                             |                |                        |                  |             |                     | SCC                 |                             |                  |                          |                  |                                       |                                   |            |                  |                                       | Power                             |  |
| Combination | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation     | PCC UL# RB             | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation       | SCC UL# RB               | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |            |                  |                                       |                                   |  |
| CA_41C      | LTE B41 PC2 | 20                  | 41055               | 2636.5                      | QPSK           | 1                      | 0                | LTE B41 PC2 | 20                  | 40857               | 2616.7                      | QPSK             | 1                        | 99               | 22.09                                 | 21.90                             |            |                  |                                       |                                   |  |

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SAR EVALUATION REPORT



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Quality Manager

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1M2104070032-01.A3L (Rev1)

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## 9.5 NR Conducted Powers

Per October 2020 TCB Workshop Guidance, NR FR1 SAR evaluations are being generally based on adapting the existing LTE SAR procedures (FCC KDB Publication 941225 D05v02r05). Therefore, NR SAR for the lower bandwidths was not required for testing based on the measured output power and the reported NR SAR for the highest bandwidth. Lower bandwidth conducted powers for all NR bands can be found in appendix H

### 9.5.1 NR Band n71

Table 9-50

NR Band n71 Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 20 MHz Bandwidth

| NR Band n71<br>20 MHz Bandwidth |         |           |                                                       |                                    |             |
|---------------------------------|---------|-----------|-------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                               | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 136100<br>(680.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.33                                                 | 0                                  | 0.0         |
|                                 | 1       | 53        | 24.16                                                 |                                    | 0.0         |
|                                 | 1       | 104       | 24.06                                                 |                                    | 0.0         |
|                                 | 50      | 0         | 23.82                                                 | 0-0.5                              | 0.5         |
|                                 | 50      | 28        | 24.20                                                 | 0                                  | 0.0         |
|                                 | 50      | 56        | 23.56                                                 | 0-0.5                              | 0.5         |
|                                 | 100     | 0         | 23.74                                                 |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | <b>24.19</b>                                          | 0                                  | 0.0         |
|                                 | 1       | 53        | 24.03                                                 |                                    | 0.0         |
|                                 | 1       | 104       | 23.92                                                 |                                    | 0.0         |
|                                 | 50      | 0         | 23.35                                                 | 0-1                                | 1.0         |
|                                 | 50      | 28        | <b>24.22</b>                                          | 0                                  | 0.0         |
|                                 | 50      | 56        | 23.03                                                 | 0-1                                | 1.0         |
|                                 | 100     | 0         | 23.16                                                 |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.32                                                 | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.21                                                 | 0-1.5                              | 1.5         |

Note: NR Band n71 at 20 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                                                                        |                               |                                 |
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**Table 9-51**  
**NR Band n71 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 20 MHz Bandwidth**  
**NR Band n71**  
**20 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 136100<br>(680.5 MHz)    |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 22.92                    | 0                                  | 0.0         |
|                            | 1       | 53        | 22.73                    |                                    | 0.0         |
|                            | 1       | 104       | 22.58                    |                                    | 0.0         |
|                            | 50      | 0         | 22.96                    | 0-0.5                              | 0.0         |
|                            | 50      | 28        | 22.78                    | 0                                  | 0.0         |
|                            | 50      | 56        | 22.59                    |                                    | 0.0         |
|                            | 100     | 0         | 22.78                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | <b>22.75</b>             | 0                                  | 0.0         |
|                            | 1       | 53        | 22.64                    |                                    | 0.0         |
|                            | 1       | 104       | 22.52                    |                                    | 0.0         |
|                            | 50      | 0         | <b>22.91</b>             | 0-1                                | 0.0         |
|                            | 50      | 28        | 22.69                    | 0                                  | 0.0         |
|                            | 50      | 56        | 22.59                    |                                    | 0.0         |
|                            | 100     | 0         | 22.72                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 22.73                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 22.90                    | 0-1.5                              | 0.0         |

Note: NR Band n71 at 20 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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## 9.5.1 NR Band n12

Table 9-52

NR Band n12 Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 15 MHz Bandwidth

| NR Band n12<br>15 MHz Bandwidth |         |           |                                                   |                                    |             |
|---------------------------------|---------|-----------|---------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                           | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 141500<br>(707.5 MHz)<br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.08                                             | 0                                  | 0.0         |
|                                 | 1       | 40        | 24.11                                             |                                    | 0.0         |
|                                 | 1       | 77        | 23.92                                             |                                    | 0.0         |
|                                 | 36      | 0         | 23.58                                             | 0-0.5                              | 0.5         |
|                                 | 36      | 22        | 24.00                                             | 0                                  | 0.0         |
|                                 | 36      | 43        | 23.46                                             | 0-0.5                              | 0.5         |
|                                 | 75      | 0         | 23.58                                             |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | <b>23.95</b>                                      | 0                                  | 0.0         |
|                                 | 1       | 40        | 23.92                                             |                                    | 0.0         |
|                                 | 1       | 77        | 23.80                                             |                                    | 0.0         |
|                                 | 36      | 0         | 23.11                                             | 0-1                                | 1.0         |
|                                 | 36      | 22        | <b>24.03</b>                                      | 0                                  | 0.0         |
|                                 | 36      | 43        | 22.94                                             | 0-1                                | 1.0         |
|                                 | 75      | 0         | 23.11                                             |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.10                                             | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.12                                             | 0-1.5                              | 1.5         |

Note: NR Band n12 at 15 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                        | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 83 of 337                         |

**Table 9-53**  
**NR Band n12 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 15 MHz Bandwidth**  
**NR Band n12**  
**15 MHz Bandwidth**

|                            |         |           | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                 | RB Size | RB Offset | 141500<br>(707.5 MHz)    |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 22.69                    | 0                                  | 0.0         |
|                            | 1       | 40        | 22.63                    |                                    | 0.0         |
|                            | 1       | 77        | 22.51                    |                                    | 0.0         |
|                            | 36      | 0         | 22.64                    | 0-0.5                              | 0.0         |
|                            | 36      | 22        | 22.53                    | 0                                  | 0.0         |
|                            | 36      | 43        | 22.50                    | 0-0.5                              | 0.0         |
|                            | 75      | 0         | 22.59                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | <b>22.54</b>             | 0                                  | 0.0         |
|                            | 1       | 40        | 22.52                    |                                    | 0.0         |
|                            | 1       | 77        | 22.34                    |                                    | 0.0         |
|                            | 36      | 0         | <b>22.58</b>             | 0-1                                | 0.0         |
|                            | 36      | 22        | 22.53                    | 0                                  | 0.0         |
|                            | 36      | 43        | 22.52                    | 0-1                                | 0.0         |
|                            | 75      | 0         | 22.53                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 22.61                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 23.14                    | 0-1.5                              | 0.0         |

Note: NR Band n12 at 15 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 84 of 337                  |



## 9.5.2 NR Band n5

Table 9-54

NR Band n5 Measured  $P_{Max}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 20 MHz Bandwidth

| NR Band n5<br>20 MHz Bandwidth |         |           |                          |                                    |             |
|--------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                     | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                |         |           | 167300<br>(836.5 MHz)    |                                    |             |
|                                |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 23.72                    | 0                                  | 0.0         |
|                                | 1       | 53        | 23.76                    |                                    | 0.0         |
|                                | 1       | 104       | 23.77                    |                                    | 0.0         |
|                                | 50      | 0         | 23.31                    | 0-0.5                              | 0.5         |
|                                | 50      | 28        | 23.81                    | 0                                  | 0.0         |
|                                | 50      | 56        | 23.36                    | 0-0.5                              | 0.5         |
|                                | 100     | 0         | 23.38                    |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 23.68                    | 0                                  | 0.0         |
|                                | 1       | 53        | <b>23.80</b>             |                                    | 0.0         |
|                                | 1       | 104       | 23.61                    |                                    | 0.0         |
|                                | 50      | 0         | 22.76                    | 0-1                                | 1.0         |
|                                | 50      | 28        | <b>23.84</b>             | 0                                  | 0.0         |
|                                | 50      | 56        | 22.95                    | 0-1                                | 1.0         |
|                                | 100     | 0         | 22.83                    |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 22.75                    | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 22.62                    | 0-1.5                              | 1.5         |

Note: NR Band n5 at 20 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 85 of 337                  |

**Table 9-55**  
**NR Band n5 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 20 MHz Bandwidth**

| NR Band n5<br>20 MHz Bandwidth |         |           |                          |                                    |             |
|--------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                     | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                |         |           | 167300<br>(836.5 MHz)    |                                    |             |
|                                |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 22.78                    | 0                                  | 0.0         |
|                                | 1       | 53        | 22.89                    |                                    | 0.0         |
|                                | 1       | 104       | 22.80                    |                                    | 0.0         |
|                                | 50      | 0         | 22.77                    | 0-0.5                              | 0.0         |
|                                | 50      | 28        | 22.88                    | 0                                  | 0.0         |
|                                | 50      | 56        | 22.88                    | 0-0.5                              | 0.0         |
|                                | 100     | 0         | 22.83                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 22.68                    | 0                                  | 0.0         |
|                                | 1       | 53        | <b>22.82</b>             |                                    | 0.0         |
|                                | 1       | 104       | 22.66                    |                                    | 0.0         |
|                                | 50      | 0         | 22.79                    | 0-1                                | 0.0         |
|                                | 50      | 28        | 22.92                    | 0                                  | 0.0         |
|                                | 50      | 56        | <b>22.96</b>             | 0-1                                | 0.0         |
|                                | 100     | 0         | 22.79                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 22.73                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 22.55                    | 0-1.5                              | 0.2         |

Note: NR Band n5 at 20 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 86 of 337                  |

### 9.5.3 NR Band n66

Table 9-56

NR Band n66 Ant A Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 40 MHz Bandwidth

| NR Band n66<br>40 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)     |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 23.66                    | 0                                  | 0.0         |
|                                 | 1       | 108       | 23.90                    |                                    | 0.0         |
|                                 | 1       | 214       | 23.95                    |                                    | 0.0         |
|                                 | 108     | 0         | 23.31                    | 0-0.5                              | 0.5         |
|                                 | 108     | 54        | 23.91                    | 0                                  | 0.0         |
|                                 | 108     | 108       | 23.53                    | 0-0.5                              | 0.5         |
|                                 | 216     | 0         | 23.38                    |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 23.69                    | 0                                  | 0.0         |
|                                 | 1       | 108       | 23.62                    |                                    | 0.0         |
|                                 | 1       | 214       | <b>23.90</b>             |                                    | 0.0         |
|                                 | 108     | 0         | 22.85                    | 0-1                                | 1.0         |
|                                 | 108     | 54        | <b>23.85</b>             | 0                                  | 0.0         |
|                                 | 108     | 108       | 22.80                    | 0-1                                | 1.0         |
|                                 | 216     | 0         | 22.82                    |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.43                    | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.22                    | 0-1.5                              | 1.5         |

Note: NR Band n66 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 87 of 337                  |

**Table 9-57**  
**NR Band n66 Ant A Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 40 MHz Bandwidth**

| NR Band n66<br>40 MHz Bandwidth |         |           |                                                      |                                    |             |
|---------------------------------|---------|-----------|------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                              | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 17.72                                                | 0                                  | 0.0         |
|                                 | 1       | 108       | 17.84                                                |                                    | 0.0         |
|                                 | 1       | 214       | 18.00                                                |                                    | 0.0         |
|                                 | 108     | 0         | 17.90                                                | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 17.93                                                | 0                                  | 0.0         |
|                                 | 108     | 108       | 18.07                                                | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 17.94                                                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 17.81                                                | 0                                  | 0.0         |
|                                 | 1       | 108       | 17.93                                                |                                    | 0.0         |
|                                 | 1       | 214       | <b>18.08</b>                                         |                                    | 0.0         |
|                                 | 108     | 0         | 17.95                                                | 0-1                                | 0.0         |
|                                 | 108     | 54        | 17.99                                                | 0                                  | 0.0         |
|                                 | 108     | 108       | <b>18.05</b>                                         | 0-1                                | 0.0         |
|                                 | 216     | 0         | 17.99                                                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 17.96                                                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 17.91                                                | 0-1.5                              | 0.0         |

Note: NR Band n66 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 88 of 337                  |

Table 9-58

NR Band n66 Ant A Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 40 MHz Bandwidth

| NR Band n66<br>40 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)     |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 19.74                    | 0                                  | 0.0         |
|                                 | 1       | 108       | 19.88                    |                                    | 0.0         |
|                                 | 1       | 214       | 19.94                    |                                    | 0.0         |
|                                 | 108     | 0         | 19.85                    | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 19.91                    | 0                                  | 0.0         |
|                                 | 108     | 108       | 20.08                    | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 19.93                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 19.71                    | 0                                  | 0.0         |
|                                 | 1       | 108       | 19.90                    |                                    | 0.0         |
|                                 | 1       | 214       | <b>19.98</b>             |                                    | 0.0         |
|                                 | 108     | 0         | 19.91                    | 0-1                                | 0.0         |
|                                 | 108     | 54        | 19.97                    | 0                                  | 0.0         |
|                                 | 108     | 108       | <b>20.02</b>             | 0-1                                | 0.0         |
|                                 | 216     | 0         | 19.97                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 19.87                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 19.75                    | 0-1.5                              | 0.0         |

Note: NR Band n66 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 89 of 337                  |

**Table 9-59**  
**NR Band n66 Ant I Measured  $P_{limit}$  for DSI = 0 (Body-worn, or Phablet with grip sensor active), or and/or**  
**DSI = 4 (Earjack active) - 40 MHz Bandwidth**

| NR Band n66<br>40 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)     |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 21.41                    | 0                                  | 0.0         |
|                                 | 1       | 108       | 21.37                    |                                    | 0.0         |
|                                 | 1       | 214       | 21.14                    |                                    | 0.0         |
|                                 | 108     | 0         | 21.56                    | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 21.48                    | 0                                  | 0.0         |
|                                 | 108     | 108       | 21.45                    | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 21.60                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | <b>21.63</b>             | 0                                  | 0.0         |
|                                 | 1       | 108       | 21.56                    |                                    | 0.0         |
|                                 | 1       | 214       | 21.28                    |                                    | 0.0         |
|                                 | 108     | 0         | 21.65                    | 0-1                                | 0.0         |
|                                 | 108     | 54        | <b>21.66</b>             | 0                                  | 0.0         |
|                                 | 108     | 108       | 21.55                    | 0-1                                | 0.0         |
|                                 | 216     | 0         | 21.52                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 21.45                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 21.62                    | 0-1.5                              | 0.0         |

Note: NR Band n66 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 90 of 337                  |

**Table 9-60**  
**NR Band n66 Ant I Measured  $P_{limit}$  DSI = 2 (Head) - 40 MHz Bandwidth**

| NR Band n66<br>40 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)     |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 17.09                    | 0                                  | 0.0         |
|                                 | 1       | 108       | 16.99                    |                                    | 0.0         |
|                                 | 1       | 214       | 16.77                    |                                    | 0.0         |
|                                 | 108     | 0         | 17.02                    | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 16.94                    | 0                                  | 0.0         |
|                                 | 108     | 108       | 16.92                    | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 16.96                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | <b>16.99</b>             | 0                                  | 0.0         |
|                                 | 1       | 108       | 16.88                    |                                    | 0.0         |
|                                 | 1       | 214       | 16.73                    |                                    | 0.0         |
|                                 | 108     | 0         | <b>17.06</b>             | 0-1                                | 0.0         |
|                                 | 108     | 54        | 16.97                    | 0                                  | 0.0         |
|                                 | 108     | 108       | 16.93                    | 0-1                                | 0.0         |
|                                 | 216     | 0         | 16.98                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 16.70                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 17.02                    | 0-1.5                              | 0.0         |

Note: NR Band n66 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 91 of 337                  |

**Table 9-61**  
**NR Band n66 Ant I Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 40 MHz Bandwidth**

| NR Band n66<br>40 MHz Bandwidth |         |           |                                                      |                                    |             |
|---------------------------------|---------|-----------|------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                              | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 18.76                                                | 0                                  | 0.0         |
|                                 | 1       | 108       | 18.59                                                |                                    | 0.0         |
|                                 | 1       | 214       | 18.49                                                |                                    | 0.0         |
|                                 | 108     | 0         | 18.73                                                | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 18.67                                                | 0                                  | 0.0         |
|                                 | 108     | 108       | 18.63                                                | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 18.71                                                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | <b>18.62</b>                                         | 0                                  | 0.0         |
|                                 | 1       | 108       | 18.58                                                |                                    | 0.0         |
|                                 | 1       | 214       | 18.46                                                |                                    | 0.0         |
|                                 | 108     | 0         | <b>18.67</b>                                         | 0-1                                | 0.0         |
|                                 | 108     | 54        | 18.59                                                | 0                                  | 0.0         |
|                                 | 108     | 108       | 18.60                                                | 0-1                                | 0.0         |
|                                 | 216     | 0         | 18.59                                                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 18.51                                                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 18.72                                                | 0-1.5                              | 0.0         |

Note: NR Band n66 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 92 of 337                  |



### 9.5.4 NR Band n25

Table 9-62

NR Band n25 Ant A Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 40 MHz Bandwidth

| NR Band n25<br>40 MHz Bandwidth |         |           |                                                        |                                    |             |
|---------------------------------|---------|-----------|--------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                                | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 23.36                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 23.13                                                  |                                    | 0.0         |
|                                 | 1       | 214       | 23.39                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 22.81                                                  | 0-0.5                              | 0.5         |
|                                 | 108     | 54        | 23.26                                                  | 0                                  | 0.0         |
|                                 | 108     | 108       | 22.89                                                  | 0-0.5                              | 0.5         |
|                                 | 216     | 0         | 22.99                                                  |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 23.59                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 23.04                                                  |                                    | 0.0         |
|                                 | 1       | 214       | <b>23.73</b>                                           |                                    | 0.0         |
|                                 | 108     | 0         | 22.51                                                  | 0-1                                | 1.0         |
|                                 | 108     | 54        | <b>23.50</b>                                           | 0                                  | 0.0         |
|                                 | 108     | 108       | 22.63                                                  | 0-1                                | 1.0         |
|                                 | 216     | 0         | 22.50                                                  |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.74                                                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.16                                                  | 0-1.5                              | 1.5         |

Note: NR Band n25 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 93 of 337                  |

**Table 9-63**  
**NR Band n25 Ant A Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 40 MHz Bandwidth**  
**NR Band n25**  
**40 MHz Bandwidth**

|                            |         |           | Channel                                                | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------------------------------------|------------------------------------|-------------|
| Modulation                 | RB Size | RB Offset | 376500<br>(1882.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 17.34                                                  | 0                                  | 0.0         |
|                            | 1       | 108       | 17.17                                                  |                                    | 0.0         |
|                            | 1       | 214       | 17.28                                                  |                                    | 0.0         |
|                            | 108     | 0         | 17.22                                                  | 0-0.5                              | 0.0         |
|                            | 108     | 54        | 17.14                                                  | 0                                  | 0.0         |
|                            | 108     | 108       | 17.16                                                  | 0-0.5                              | 0.0         |
|                            | 216     | 0         | 17.19                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | <b>17.63</b>                                           | 0                                  | 0.0         |
|                            | 1       | 108       | 17.30                                                  |                                    | 0.0         |
|                            | 1       | 214       | 17.29                                                  |                                    | 0.0         |
|                            | 108     | 0         | <b>17.55</b>                                           | 0-1                                | 0.0         |
|                            | 108     | 54        | 17.19                                                  | 0                                  | 0.0         |
|                            | 108     | 108       | 17.22                                                  | 0-1                                | 0.0         |
|                            | 216     | 0         | 17.49                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 17.18                                                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 17.54                                                  | 0-1.5                              | 0.0         |

Note: NR Band n25 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 94 of 337                  |

**Table 9-64**  
**NR Band n25 Ant A Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), and/or DSI = 4 (Earjack active) - 40 MHz Bandwidth**

| NR Band n25<br>40 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)   |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 21.55                    | 0                                  | 0.0         |
|                                 | 1       | 108       | 21.36                    |                                    | 0.0         |
|                                 | 1       | 214       | 21.53                    |                                    | 0.0         |
|                                 | 108     | 0         | 21.34                    | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 21.23                    | 0                                  | 0.0         |
|                                 | 108     | 108       | 21.29                    | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 21.32                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | <b>21.59</b>             | 0                                  | 0.0         |
|                                 | 1       | 108       | 21.32                    |                                    | 0.0         |
|                                 | 1       | 214       | 21.48                    |                                    | 0.0         |
|                                 | 108     | 0         | <b>21.40</b>             | 0-1                                | 0.0         |
|                                 | 108     | 54        | 21.29                    | 0                                  | 0.0         |
|                                 | 108     | 108       | 21.33                    | 0-1                                | 0.0         |
|                                 | 216     | 0         | 21.39                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 21.27                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 21.49                    | 0-1.5                              | 0.0         |

Note: NR Band n25 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 95 of 337                  |

**Table 9-65**  
**NR Band n25 Ant I Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive) - 40 MHz Bandwidth**

| NR Band n25<br>40 MHz Bandwidth |         |           |                                                        |                                    |             |
|---------------------------------|---------|-----------|--------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                                | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.22                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 24.21                                                  |                                    | 0.0         |
|                                 | 1       | 214       | 24.43                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 23.74                                                  | 0-0.5                              | 0.5         |
|                                 | 108     | 54        | 24.25                                                  | 0                                  | 0.0         |
|                                 | 108     | 108       | 23.74                                                  | 0-0.5                              | 0.5         |
|                                 | 216     | 0         | 23.83                                                  |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.39                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 24.27                                                  |                                    | 0.0         |
|                                 | 1       | 214       | <b>24.49</b>                                           |                                    | 0.0         |
|                                 | 108     | 0         | 23.38                                                  | 0-1                                | 1.0         |
|                                 | 108     | 54        | <b>24.35</b>                                           | 0                                  | 0.0         |
|                                 | 108     | 108       | 23.37                                                  | 0-1                                | 1.0         |
|                                 | 216     | 0         | 23.45                                                  |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.49                                                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.99                                                  | 0-1.5                              | 1.5         |

Note: NR Band n25 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 96 of 337                  |

Table 9-66

NR Band n25 Ant I Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode), and/or DSI = 2 (Head) - 20 MHz Bandwidth

| NR Band n25<br>40 MHz Bandwidth |         |           |                                                        |                                    |             |
|---------------------------------|---------|-----------|--------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                                | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 18.87                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 18.91                                                  |                                    | 0.0         |
|                                 | 1       | 214       | 19.00                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 19.00                                                  | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 18.98                                                  | 0                                  | 0.0         |
|                                 | 108     | 108       | 18.98                                                  | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 19.00                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 18.95                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 18.85                                                  |                                    | 0.0         |
|                                 | 1       | 214       | <b>19.00</b>                                           |                                    | 0.0         |
|                                 | 108     | 0         | 18.90                                                  | 0-1                                | 0.0         |
|                                 | 108     | 54        | <b>18.97</b>                                           | 0                                  | 0.0         |
|                                 | 108     | 108       | 18.95                                                  | 0-1                                | 0.0         |
|                                 | 216     | 0         | 18.96                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 18.79                                                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 18.82                                                  | 0-1.5                              | 0.0         |

Note: NR Band n25 at 40 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing

|                                                    |                                                                                                                                                                                                                |                                      |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset | Page 97 of 337                         |

### 9.5.1 NR Band n30

Table 9-67

NR Band n30 Measured  $P_{Max}$  for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 2 (Head) - 10MHz Bandwidth

| NR Band n30<br>10 MHz Bandwidth |         |           |                                                      |                                    |             |
|---------------------------------|---------|-----------|------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                              | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 462000<br>(2310 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.38                                                | 0                                  | 0.0         |
|                                 | 1       | 26        | 22.62                                                |                                    | 0.0         |
|                                 | 1       | 50        | 22.48                                                |                                    | 0.0         |
|                                 | 25      | 0         | 22.00                                                | 0-0.5                              | 0.5         |
|                                 | 25      | 14        | 22.50                                                | 0                                  | 0.0         |
|                                 | 25      | 27        | 22.08                                                | 0-0.5                              | 0.5         |
|                                 | 50      | 0         | 22.01                                                |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.65                                                | 0                                  | 0.0         |
|                                 | 1       | 26        | <b>22.73</b>                                         |                                    | 0.0         |
|                                 | 1       | 50        | 22.49                                                |                                    | 0.0         |
|                                 | 25      | 0         | 21.54                                                | 0-1                                | 1.0         |
|                                 | 25      | 14        | <b>22.46</b>                                         | 0                                  | 0.0         |
|                                 | 25      | 27        | 21.71                                                | 0-1                                | 1.0         |
|                                 | 50      | 0         | 21.58                                                |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 21.54                                                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 21.15                                                | 0-1.5                              | 1.5         |

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 98 of 337                  |

**Table 9-68**  
**NR Band n30 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 10 MHz Bandwidth**

| NR Band n30<br>10 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 462000<br>(2310 MHz)     |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 17.90                    | 0                                  | 0.0         |
|                                 | 1       | 26        | 17.87                    |                                    | 0.0         |
|                                 | 1       | 50        | 17.81                    |                                    | 0.0         |
|                                 | 25      | 0         | 17.78                    | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 17.79                    | 0                                  | 0.0         |
|                                 | 25      | 27        | 17.84                    |                                    | 0.0         |
|                                 | 50      | 0         | 17.78                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 17.76                    | 0                                  | 0.0         |
|                                 | 1       | 26        | <b>18.00</b>             |                                    | 0.0         |
|                                 | 1       | 50        | 17.80                    |                                    | 0.0         |
|                                 | 25      | 0         | 17.78                    | 0-1                                | 0.0         |
|                                 | 25      | 14        | 17.83                    | 0                                  | 0.0         |
|                                 | 25      | 27        | <b>18.00</b>             |                                    | 0.0         |
|                                 | 50      | 0         | 17.90                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 17.88                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 17.92                    | 0-1.5                              | 0.0         |

|                                             |                                                                                     |                               |                                                                                       |                                 |
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 99 of 337                  |

**Table 9-69**  
**NR Band n30 Measured  $P_{limit}$  for DSI = 1 (Phablet with grip sensor active), and/or DSI = 4 (Earjack active) - 10 MHz Bandwidth**

| NR Band n30<br>10 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 462000<br>(2310 MHz)     |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 21.17                    | 0                                  | 0.0         |
|                                 | 1       | 26        | 21.31                    |                                    | 0.0         |
|                                 | 1       | 50        | 21.18                    |                                    | 0.0         |
|                                 | 25      | 0         | 21.28                    | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 21.38                    | 0                                  | 0.0         |
|                                 | 25      | 27        | 21.42                    | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 21.40                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 21.37                    | 0                                  | 0.0         |
|                                 | 1       | 26        | <b>21.46</b>             |                                    | 0.0         |
|                                 | 1       | 50        | 21.27                    |                                    | 0.0         |
|                                 | 25      | 0         | 21.34                    | 0-1                                | 0.0         |
|                                 | 25      | 14        | <b>21.39</b>             | 0                                  | 0.0         |
|                                 | 25      | 27        | 21.37                    | 0-1                                | 0.0         |
|                                 | 50      | 0         | 21.38                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 21.22                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 21.21                    | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 100 of 337                 |



## 9.5.1 NR Band n41

Table 9-70

NR Band n41 Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor inactive), or and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth

| NR Band n41<br>100 MHz Bandwidth |         |           |                                                     |                                    |             |
|----------------------------------|---------|-----------|-----------------------------------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                                             | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 518598<br>(2592.99 MHz)<br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 21.40                                               | 0                                  | 0.0         |
|                                  | 1       | 137       | 21.51                                               |                                    | 0.0         |
|                                  | 1       | 271       | 21.01                                               |                                    | 0.0         |
|                                  | 135     | 0         | 21.58                                               | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 21.54                                               | 0                                  | 0.0         |
|                                  | 135     | 138       | 21.36                                               | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 21.48                                               |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 21.43                                               | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>21.55</b>                                        |                                    | 0.0         |
|                                  | 1       | 271       | 20.97                                               |                                    | 0.0         |
|                                  | 135     | 0         | <b>21.61</b>                                        | 0-1                                | 0.0         |
|                                  | 135     | 69        | 21.52                                               | 0                                  | 0.0         |
|                                  | 135     | 138       | 20.68                                               | 0-1                                | 0.0         |
|                                  | 270     | 0         | 21.48                                               |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 21.65                                               | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 21.05                                               | 0-1.5                              | 0.0         |

Note: NR Band n41 at 100 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 101 of 337                 |

**Table 9-71**  
**NR Band n41 Measured  $P_{limit}$  for DSI = 2 (Head) - 100 MHz Bandwidth**

| NR Band n41<br>100 MHz Bandwidth |         |           |                                                     |                                    |             |
|----------------------------------|---------|-----------|-----------------------------------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                                             | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 518598<br>(2592.99 MHz)<br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 15.51                                               | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.45                                               |                                    | 0.0         |
|                                  | 1       | 271       | 15.09                                               |                                    | 0.0         |
|                                  | 135     | 0         | 15.58                                               | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 15.42                                               | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.34                                               | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 15.46                                               |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | <b>15.52</b>                                        | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.50                                               |                                    | 0.0         |
|                                  | 1       | 271       | 15.14                                               |                                    | 0.0         |
|                                  | 135     | 0         | <b>15.49</b>                                        | 0-1                                | 0.0         |
|                                  | 135     | 69        | 15.48                                               | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.35                                               | 0-1                                | 0.0         |
|                                  | 270     | 0         | 15.48                                               |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 15.55                                               | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 15.51                                               | 0-1.5                              | 0.0         |

Note: NR Band n41 at 100 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 102 of 337                 |

**Table 9-72**  
**NR Band n41 Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 100 MHz Bandwidth**  
**NR Band n41**  
**100 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 518598<br>(2592.99 MHz)  |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 19.43                    | 0                                  | 0.0         |
|                            | 1       | 137       | 19.43                    |                                    | 0.0         |
|                            | 1       | 271       | 19.04                    |                                    | 0.0         |
|                            | 135     | 0         | 19.52                    | 0-0.5                              | 0.0         |
|                            | 135     | 69        | 19.46                    | 0                                  | 0.0         |
|                            | 135     | 138       | 19.31                    | 0-0.5                              | 0.0         |
|                            | 270     | 0         | 19.45                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 19.50                    | 0                                  | 0.0         |
|                            | 1       | 137       | <b>19.65</b>             |                                    | 0.0         |
|                            | 1       | 271       | 19.11                    |                                    | 0.0         |
|                            | 135     | 0         | <b>19.64</b>             | 0-1                                | 0.0         |
|                            | 135     | 69        | 19.45                    | 0                                  | 0.0         |
|                            | 135     | 138       | 19.35                    | 0-1                                | 0.0         |
|                            | 270     | 0         | 19.57                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 19.31                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 19.57                    | 0-1.5                              | 0.0         |

Note: NR Band n41 at 100 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 103 of 337                 |

### 9.5.1 NR Band n77 DoD

Table 9-73

NR Band n77 DoD Ant F Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth

| NR Band n77<br>100 MHz Bandwidth |         |           |                                                     |                                    |             |
|----------------------------------|---------|-----------|-----------------------------------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                                             | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 633334<br>(3500.01 MHz)<br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 18.52                                               | 0                                  | 0.0         |
|                                  | 1       | 137       | 18.65                                               |                                    | 0.0         |
|                                  | 1       | 271       | 18.57                                               |                                    | 0.0         |
|                                  | 135     | 0         | 18.61                                               | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 18.68                                               | 0                                  | 0.0         |
|                                  | 135     | 138       | 18.58                                               | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 18.67                                               |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 18.67                                               | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>18.77</b>                                        |                                    | 0.0         |
|                                  | 1       | 271       | 18.72                                               |                                    | 0.0         |
|                                  | 135     | 0         | 18.61                                               | 0-1                                | 0.0         |
|                                  | 135     | 69        | <b>18.67</b>                                        | 0                                  | 0.0         |
|                                  | 135     | 138       | 18.61                                               | 0-1                                | 0.0         |
|                                  | 270     | 0         | 18.66                                               |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 18.70                                               | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 18.66                                               | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 104 of 337                 |

**Table 9-74**  
**NR Band n77 DoD Ant F Measured  $P_{limit}$  for DSI = 2 (Head) -100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                                                         |                                    |             |
|----------------------------------|---------|-----------|---------------------------------------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                                                 | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 633334<br>(3500.01 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 14.63                                                   | 0                                  | 0.0         |
|                                  | 1       | 137       | 14.77                                                   |                                    | 0.0         |
|                                  | 1       | 271       | 14.72                                                   |                                    | 0.0         |
|                                  | 135     | 0         | 14.74                                                   | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 14.87                                                   | 0                                  | 0.0         |
|                                  | 135     | 138       | 14.82                                                   | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 14.81                                                   |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 14.65                                                   | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>14.86</b>                                            |                                    | 0.0         |
|                                  | 1       | 271       | 14.74                                                   |                                    | 0.0         |
|                                  | 135     | 0         | 14.73                                                   | 0-1                                | 0.0         |
|                                  | 135     | 69        | 14.82                                                   | 0                                  | 0.0         |
|                                  | 135     | 138       | <b>14.83</b>                                            | 0-1                                | 0.0         |
|                                  | 270     | 0         | 14.82                                                   |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 14.86                                                   | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 14.73                                                   | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 105 of 337                 |

**Table 9-75**  
**NR Band n77 DoD Ant F Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) -100 MHz Bandwidth**  
**NR Band n77**  
**100 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 633334<br>(3500.01 MHz)  |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 17.40                    | 0                                  | 0.0         |
|                            | 1       | 137       | 17.48                    |                                    | 0.0         |
|                            | 1       | 271       | 17.31                    |                                    | 0.0         |
|                            | 135     | 0         | 17.44                    | 0-0.5                              | 0.0         |
|                            | 135     | 69        | 17.46                    | 0                                  | 0.0         |
|                            | 135     | 138       | 17.37                    | 0-0.5                              | 0.0         |
|                            | 270     | 0         | 17.39                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 17.43                    | 0                                  | 0.0         |
|                            | 1       | 137       | <b>17.44</b>             |                                    | 0.0         |
|                            | 1       | 271       | 17.38                    |                                    | 0.0         |
|                            | 135     | 0         | 17.38                    | 0-1                                | 0.0         |
|                            | 135     | 69        | <b>17.43</b>             | 0                                  | 0.0         |
|                            | 135     | 138       | 17.33                    | 0-1                                | 0.0         |
|                            | 270     | 0         | 17.37                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 17.43                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 17.32                    | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 106 of 337                 |

**Table 9-76**  
**NR Band n77 DoD Ant I Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor active) or**  
**and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                          |                                    |             |
|----------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 633334<br>(3500.01 MHz)  |                                    |             |
|                                  |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 16.35                    | 0                                  | 0.0         |
|                                  | 1       | 137       | 16.53                    |                                    | 0.0         |
|                                  | 1       | 271       | 16.45                    |                                    | 0.0         |
|                                  | 135     | 0         | 16.49                    | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 16.60                    | 0                                  | 0.0         |
|                                  | 135     | 138       | 16.48                    | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 16.54                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 16.39                    | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>16.58</b>             |                                    | 0.0         |
|                                  | 1       | 271       | 16.54                    |                                    | 0.0         |
|                                  | 135     | 0         | 16.47                    | 0-1                                | 0.0         |
|                                  | 135     | 69        | <b>16.58</b>             | 0                                  | 0.0         |
|                                  | 135     | 138       | 16.49                    | 0-1                                | 0.0         |
|                                  | 270     | 0         | 16.56                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 16.53                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 16.39                    | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 107 of 337                 |

**Table 9-77**  
**NR Band n77 DoD Ant I Measured  $P_{limit}$  for DSI = 2 (Head) -100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                          |                                    |             |
|----------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 633334<br>(3500.01 MHz)  |                                    |             |
|                                  |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 12.63                    | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.92                    |                                    | 0.0         |
|                                  | 1       | 271       | 12.91                    |                                    | 0.0         |
|                                  | 135     | 0         | 12.77                    | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 12.90                    | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.93                    | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 12.86                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 12.55                    | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>12.94</b>             |                                    | 0.0         |
|                                  | 1       | 271       | 12.89                    |                                    | 0.0         |
|                                  | 135     | 0         | 12.78                    | 0-1                                | 0.0         |
|                                  | 135     | 69        | <b>12.98</b>             | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.97                    | 0-1                                | 0.0         |
|                                  | 270     | 0         | 12.90                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 12.88                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 12.51                    | 0-1.5                              | 0.0         |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 108 of 337                 |



**Table 9-78**  
**NR Band n77 DoD Ant I Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) -100 MHz Bandwidth**  
**NR Band n77**  
**100 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 633334<br>(3500.01 MHz)  |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 15.36                    | 0                                  | 0.0         |
|                            | 1       | 137       | 15.57                    |                                    | 0.0         |
|                            | 1       | 271       | 15.53                    |                                    | 0.0         |
|                            | 135     | 0         | 15.46                    | 0-0.5                              | 0.0         |
|                            | 135     | 69        | 15.58                    | 0                                  | 0.0         |
|                            | 135     | 138       | 15.53                    | 0-0.5                              | 0.0         |
|                            | 270     | 0         | 15.51                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 15.37                    | 0                                  | 0.0         |
|                            | 1       | 137       | <b>15.57</b>             |                                    | 0.0         |
|                            | 1       | 271       | 15.56                    |                                    | 0.0         |
|                            | 135     | 0         | 15.48                    | 0-1                                | 0.0         |
|                            | 135     | 69        | <b>15.59</b>             | 0                                  | 0.0         |
|                            | 135     | 138       | 15.53                    | 0-1                                | 0.0         |
|                            | 270     | 0         | 15.56                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 15.66                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 15.40                    | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 109 of 337                 |

Table 9-79

NR Band n77 DoD Ant E Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth

| NR Band n77<br>100 MHz Bandwidth |         |           |                          |                                    |             |
|----------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 633334<br>(3500.01 MHz)  |                                    |             |
|                                  |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 15.93                    | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.97                    |                                    | 0.0         |
|                                  | 1       | 271       | 15.84                    |                                    | 0.0         |
|                                  | 135     | 0         | 15.99                    | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 16.05                    | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.89                    | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 16.01                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 15.98                    | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>16.02</b>             |                                    | 0.0         |
|                                  | 1       | 271       | 15.98                    |                                    | 0.0         |
|                                  | 135     | 0         | 16.02                    | 0-1                                | 0.0         |
|                                  | 135     | 69        | <b>16.04</b>             | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.90                    | 0-1                                | 0.0         |
|                                  | 270     | 0         | 16.01                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 16.03                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 15.96                    | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 110 of 337                 |

**Table 9-80**  
**NR Band n77 DoD Ant E Measured  $P_{limit}$  for DSI = 2 (Head) - 100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                                                         |                                    |             |
|----------------------------------|---------|-----------|---------------------------------------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                                                 | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 633334<br>(3500.01 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 12.31                                                   | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.43                                                   |                                    | 0.0         |
|                                  | 1       | 271       | 12.34                                                   |                                    | 0.0         |
|                                  | 135     | 0         | 12.42                                                   | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 12.47                                                   | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.47                                                   | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 12.37                                                   |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 12.35                                                   | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>12.46</b>                                            |                                    | 0.0         |
|                                  | 1       | 271       | 12.33                                                   |                                    | 0.0         |
|                                  | 135     | 0         | 12.38                                                   | 0-1                                | 0.0         |
|                                  | 135     | 69        | <b>12.44</b>                                            | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.41                                                   | 0-1                                | 0.0         |
|                                  | 270     | 0         | 12.43                                                   |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 12.44                                                   | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 12.31                                                   | 0-1.5                              | 0.0         |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 111 of 337                 |

**Table 9-81**  
**NR Band n77 DoD Ant E Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 100 MHz Bandwidth**  
**NR Band n77**  
**100 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 633334<br>(3500.01 MHz)  |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 14.98                    | 0                                  | 0.0         |
|                            | 1       | 137       | 15.01                    |                                    | 0.0         |
|                            | 1       | 271       | 14.86                    |                                    | 0.0         |
|                            | 135     | 0         | 14.97                    | 0-0.5                              | 0.0         |
|                            | 135     | 69        | 15.00                    | 0                                  | 0.0         |
|                            | 135     | 138       | 14.94                    | 0-0.5                              | 0.0         |
|                            | 270     | 0         | 15.00                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 14.97                    | 0                                  | 0.0         |
|                            | 1       | 137       | <b>15.05</b>             |                                    | 0.0         |
|                            | 1       | 271       | 14.90                    |                                    | 0.0         |
|                            | 135     | 0         | 14.98                    | 0-1                                | 0.0         |
|                            | 135     | 69        | <b>15.06</b>             | 0                                  | 0.0         |
|                            | 135     | 138       | 14.90                    | 0-1                                | 0.0         |
|                            | 270     | 0         | 14.99                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 15.04                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 15.02                    | 0-1.5                              | 0.0         |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 112 of 337                 |

**Table 9-82**  
**NR Band n77 DoD Ant C Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor active), or**  
**and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                          |                                    |             |
|----------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 633334<br>(3500.01 MHz)  |                                    |             |
|                                  |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 12.96                    | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.69                    |                                    | 0.0         |
|                                  | 1       | 271       | 12.21                    |                                    | 0.0         |
|                                  | 135     | 0         | 12.87                    | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 12.76                    | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.44                    | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 12.74                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | <b>13.03</b>             | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.74                    |                                    | 0.0         |
|                                  | 1       | 271       | 12.33                    |                                    | 0.0         |
|                                  | 135     | 0         | <b>12.87</b>             | 0-1                                | 0.0         |
|                                  | 135     | 69        | 12.72                    | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.45                    | 0-1                                | 0.0         |
|                                  | 270     | 0         | 12.72                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 12.94                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 12.96                    | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 113 of 337                 |

**Table 9-83**  
**NR Band n77 DoD Ant C Measured  $P_{limit}$  for DSI = 2 (Head) -100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                                                         |                                    |             |
|----------------------------------|---------|-----------|---------------------------------------------------------|------------------------------------|-------------|
| Modulation                       | RB Size | RB Offset | Channel                                                 | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                  |         |           | 633334<br>(3500.01 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 8.97                                                    | 0                                  | 0.0         |
|                                  | 1       | 137       | 9.20                                                    |                                    | 0.0         |
|                                  | 1       | 271       | 9.11                                                    |                                    | 0.0         |
|                                  | 135     | 0         | 9.10                                                    | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 9.18                                                    | 0                                  | 0.0         |
|                                  | 135     | 138       | 9.17                                                    | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 9.15                                                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 9.00                                                    | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>9.23</b>                                             |                                    | 0.0         |
|                                  | 1       | 271       | 9.21                                                    |                                    | 0.0         |
|                                  | 135     | 0         | 9.15                                                    | 0-1                                | 0.0         |
|                                  | 135     | 69        | <b>9.22</b>                                             | 0                                  | 0.0         |
|                                  | 135     | 138       | 9.21                                                    | 0-1                                | 0.0         |
|                                  | 270     | 0         | 9.20                                                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 9.16                                                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 8.94                                                    | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 114 of 337                 |

**Table 9-84**  
**NR Band n77 DoD Ant C Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 100 MHz Bandwidth**  
**NR Band n77**  
**100 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 633334<br>(3500.01 MHz)  |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 11.73                    | 0                                  | 0.0         |
|                            | 1       | 137       | 11.73                    |                                    | 0.0         |
|                            | 1       | 271       | 11.71                    |                                    | 0.0         |
|                            | 135     | 0         | 11.74                    | 0-0.5                              | 0.0         |
|                            | 135     | 69        | 11.79                    | 0                                  | 0.0         |
|                            | 135     | 138       | 11.72                    |                                    | 0.0         |
|                            | 270     | 0         | 11.81                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 11.78                    | 0                                  | 0.0         |
|                            | 1       | 137       | <b>11.82</b>             |                                    | 0.0         |
|                            | 1       | 271       | 11.79                    |                                    | 0.0         |
|                            | 135     | 0         | 11.74                    | 0-1                                | 0.0         |
|                            | 135     | 69        | <b>11.78</b>             | 0                                  | 0.0         |
|                            | 135     | 138       | 11.68                    |                                    | 0.0         |
|                            | 270     | 0         | 11.77                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 11.78                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 11.70                    | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 115 of 337                 |

### 9.5.1 NR Band n77

Table 9-85

NR Band n77 Ant F Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 18.62                 | 18.99                | 0                                  | 0.0         |
|                                  | 1       | 137       | 18.88                 | 19.14                |                                    | 0.0         |
|                                  | 1       | 271       | 18.55                 | 18.76                |                                    | 0.0         |
|                                  | 135     | 0         | 18.77                 | 19.16                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 18.82                 | 19.17                | 0                                  | 0.0         |
|                                  | 135     | 138       | 18.74                 | 19.04                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 18.74                 | 19.12                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 18.74                 | 19.19                | 0                                  | 0.0         |
|                                  | 1       | 137       | 18.93                 | <b>19.28</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 18.65                 | 18.91                |                                    | 0.0         |
|                                  | 135     | 0         | 18.76                 | <b>19.19</b>         | 0-1                                | 0.0         |
|                                  | 135     | 69        | 18.86                 | 19.15                | 0                                  | 0.0         |
|                                  | 135     | 138       | 18.78                 | 19.04                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 18.78                 | 19.14                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 18.71                 | 19.19                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 18.71                 | 19.17                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 116 of 337                 |



**Table 9-86**  
**NR Band n77 Ant F Measured  $P_{limit}$  for DSI = 2 (Head) -100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 14.73                 | 15.09                | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.07                 | 15.38                |                                    | 0.0         |
|                                  | 1       | 271       | 14.81                 | 14.87                |                                    | 0.0         |
|                                  | 135     | 0         | 14.90                 | 15.22                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 15.11                 | 15.41                | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.05                 | 15.15                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 15.03                 | 15.19                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 14.90                 | 15.07                | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.23                 | <b>15.48</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 14.87                 | 14.92                |                                    | 0.0         |
|                                  | 135     | 0         | 14.88                 | 15.24                | 0-1                                | 0.0         |
|                                  | 135     | 69        | 15.30                 | <b>15.36</b>         | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.03                 | 15.16                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 15.03                 | 15.21                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 15.08                 | 15.24                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 14.79                 | 15.09                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 117 of 337                 |

**Table 9-87**  
**NR Band n77 Ant F Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) -100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 17.84                 | 17.99                | 0                                  | 0.0         |
|                                  | 1       | 137       | 17.74                 | 17.90                |                                    | 0.0         |
|                                  | 1       | 271       | 17.69                 | 17.99                |                                    | 0.0         |
|                                  | 135     | 0         | 17.66                 | 17.96                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 17.75                 | 17.90                | 0                                  | 0.0         |
|                                  | 135     | 138       | 17.60                 | 17.75                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 17.67                 | 17.86                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 18.30                 | 17.84                | 0                                  | 0.0         |
|                                  | 1       | 137       | 18.48                 | <b>18.50</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 18.31                 | 17.64                |                                    | 0.0         |
|                                  | 135     | 0         | 18.20                 | 17.90                | 0-1                                | 0.0         |
|                                  | 135     | 69        | 18.45                 | <b>18.47</b>         | 0                                  | 0.0         |
|                                  | 135     | 138       | 18.10                 | 17.85                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 18.13                 | 18.34                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 18.10                 | 17.88                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 18.20                 | 18.24                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 118 of 337                 |

Table 9-88

NR Band n77 Ant I Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 16.66                 | 16.59                | 0                                  | 0.0         |
|                                  | 1       | 137       | 16.68                 | 16.63                |                                    | 0.0         |
|                                  | 1       | 271       | 16.38                 | 16.26                |                                    | 0.0         |
|                                  | 135     | 0         | 16.67                 | 16.73                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 16.71                 | 16.66                | 0                                  | 0.0         |
|                                  | 135     | 138       | 16.55                 | 16.53                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 16.66                 | 16.61                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 16.75                 | 16.71                | 0                                  | 0.0         |
|                                  | 1       | 137       | <b>16.76</b>          | 16.75                |                                    | 0.0         |
|                                  | 1       | 271       | 16.49                 | 16.34                |                                    | 0.0         |
|                                  | 135     | 0         | <b>16.77</b>          | 16.70                | 0-1                                | 0.0         |
|                                  | 135     | 69        | 16.75                 | 16.71                | 0                                  | 0.0         |
|                                  | 135     | 138       | 16.55                 | 16.47                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 16.67                 | 16.62                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 16.73                 | 16.72                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 16.74                 | 16.68                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 119 of 337                 |

**Table 9-89**  
**NR Band n77 Ant I Measured  $P_{limit}$  for DSI = 2 (Head) -100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 12.75                 | 12.83                | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.94                 | 13.07                |                                    | 0.0         |
|                                  | 1       | 271       | 12.67                 | 12.61                |                                    | 0.0         |
|                                  | 135     | 0         | 12.86                 | 12.97                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 12.98                 | 13.06                | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.84                 | 12.85                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 12.88                 | 12.91                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 12.79                 | 12.88                | 0                                  | 0.0         |
|                                  | 1       | 137       | 13.04                 | <b>13.12</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 12.72                 | 12.74                |                                    | 0.0         |
|                                  | 135     | 0         | 12.85                 | 12.97                | 0-1                                | 0.0         |
|                                  | 135     | 69        | 13.02                 | <b>13.11</b>         | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.89                 | 12.84                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 12.89                 | 12.92                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 12.97                 | 13.04                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 12.79                 | 13.15                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 120 of 337                 |

**Table 9-90**  
**NR Band n77 Ant I Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) -100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 15.54                 | 15.53                | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.60                 | 15.52                |                                    | 0.0         |
|                                  | 1       | 271       | 15.30                 | 15.20                |                                    | 0.0         |
|                                  | 135     | 0         | 15.59                 | 15.68                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 15.62                 | 15.63                | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.44                 | 15.44                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 15.55                 | 15.57                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | <b>15.66</b>          | 15.64                | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.60                 | 15.63                |                                    | 0.0         |
|                                  | 1       | 271       | 15.30                 | 15.30                |                                    | 0.0         |
|                                  | 135     | 0         | <b>15.68</b>          | 15.65                | 0-1                                | 0.0         |
|                                  | 135     | 69        | 15.55                 | 15.59                | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.42                 | 15.44                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 15.57                 | 15.55                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 15.63                 | 15.65                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 15.61                 | 15.57                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 121 of 337                 |

Table 9-91

NR Band n77 Ant E Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 15.96                 | 16.70                | 0                                  | 0.0         |
|                                  | 1       | 137       | 16.17                 | 16.85                |                                    | 0.0         |
|                                  | 1       | 271       | 16.11                 | 16.57                |                                    | 0.0         |
|                                  | 135     | 0         | 16.08                 | 16.96                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 16.23                 | 16.92                | 0                                  | 0.0         |
|                                  | 135     | 138       | 16.16                 | 16.74                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 16.17                 | 16.84                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 16.10                 | 16.88                | 0                                  | 0.0         |
|                                  | 1       | 137       | 16.32                 | <b>17.04</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 16.16                 | 16.62                |                                    | 0.0         |
|                                  | 135     | 0         | 16.10                 | <b>16.93</b>         | 0-1                                | 0.0         |
|                                  | 135     | 69        | 16.25                 | 16.89                | 0                                  | 0.0         |
|                                  | 135     | 138       | 16.21                 | 16.76                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 16.22                 | 16.84                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 16.23                 | 16.89                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 16.14                 | 16.89                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 122 of 337                 |

**Table 9-92**  
**NR Band n77 Ant E Measured  $P_{limit}$  for DSI = 2 (Head) - 100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 12.26                 | 13.15                | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.69                 | 13.45                |                                    | 0.0         |
|                                  | 1       | 271       | 12.62                 | 13.01                |                                    | 0.0         |
|                                  | 135     | 0         | 12.47                 | 13.26                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 12.72                 | 13.43                | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.71                 | 13.23                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 12.64                 | 13.27                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 12.35                 | 13.21                | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.76                 | <b>13.43</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 12.69                 | 13.08                |                                    | 0.0         |
|                                  | 135     | 0         | 12.45                 | 13.35                | 0-1                                | 0.0         |
|                                  | 135     | 69        | 12.70                 | <b>13.46</b>         | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.70                 | 13.27                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 12.66                 | 13.30                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 12.61                 | 13.43                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 12.30                 | 13.15                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 123 of 337                 |

**Table 9-93**  
**NR Band n77 Ant E Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 15.53                 | 15.84                | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.34                 | 15.78                |                                    | 0.0         |
|                                  | 1       | 271       | 14.98                 | 15.46                |                                    | 0.0         |
|                                  | 135     | 0         | 14.99                 | 15.82                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 15.13                 | 15.82                | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.32                 | 15.64                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 15.34                 | 15.71                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 15.55                 | 15.74                | 0                                  | 0.0         |
|                                  | 1       | 137       | 15.62                 | <b>16.15</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 15.55                 | 15.49                |                                    | 0.0         |
|                                  | 135     | 0         | 15.60                 | <b>16.10</b>         | 0-1                                | 0.0         |
|                                  | 135     | 69        | 15.59                 | 15.75                | 0                                  | 0.0         |
|                                  | 135     | 138       | 15.55                 | 15.58                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 15.61                 | 15.82                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 15.06                 | 15.75                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 14.89                 | 15.90                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 124 of 337                 |



Table 9-94

NR Band n77 Ant C Measured  $P_{limit}$  for DSI = 0/1 (Body-worn, or Phablet with grip sensor active), or and/or DSI = 4 (Earjack active) - 100 MHz Bandwidth

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 12.70                 | 12.82                | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.54                 | 12.94                |                                    | 0.0         |
|                                  | 1       | 271       | 12.03                 | 12.11                |                                    | 0.0         |
|                                  | 135     | 0         | 12.68                 | 13.04                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 12.54                 | 12.96                | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.28                 | 12.61                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 12.53                 | 12.82                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 12.82                 | 12.86                | 0                                  | 0.0         |
|                                  | 1       | 137       | 12.63                 | <b>13.01</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 12.13                 | 12.12                |                                    | 0.0         |
|                                  | 135     | 0         | 12.78                 | <b>13.00</b>         | 0-1                                | 0.0         |
|                                  | 135     | 69        | 12.56                 | 12.93                | 0                                  | 0.0         |
|                                  | 135     | 138       | 12.28                 | 12.55                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 12.54                 | 12.76                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 12.76                 | 12.99                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 12.78                 | 12.86                | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 125 of 337                 |

**Table 9-95**  
**NR Band n77 Ant C Measured  $P_{limit}$  for DSI = 2 (Head) -100 MHz Bandwidth**  
**NR Band n77**  
**100 MHz Bandwidth**

|                            |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
| Modulation                 | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                            |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 8.89                  | 9.52                 | 0                                  | 0.0         |
|                            | 1       | 137       | 9.59                  | 9.63                 |                                    | 0.0         |
|                            | 1       | 271       | 9.43                  | 8.75                 |                                    | 0.0         |
|                            | 135     | 0         | 9.13                  | 9.60                 | 0-0.5                              | 0.0         |
|                            | 135     | 69        | 9.48                  | 9.62                 | 0                                  | 0.0         |
|                            | 135     | 138       | 9.56                  | 9.22                 | 0-0.5                              | 0.0         |
|                            | 270     | 0         | 9.36                  | 9.47                 |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 8.97                  | 9.59                 | 0                                  | 0.0         |
|                            | 1       | 137       | 9.56                  | <b>9.75</b>          |                                    | 0.0         |
|                            | 1       | 271       | 9.52                  | 8.82                 |                                    | 0.0         |
|                            | 135     | 0         | 9.16                  | 9.64                 | 0-1                                | 0.0         |
|                            | 135     | 69        | 9.50                  | <b>9.65</b>          | 0                                  | 0.0         |
|                            | 135     | 138       | 9.59                  | 9.24                 | 0-1                                | 0.0         |
|                            | 270     | 0         | 9.38                  | 9.44                 |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 9.08                  | 9.63                 | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 9.05                  | 9.52                 | 0-1.5                              | 0.0         |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 126 of 337                 |

**Table 9-96**  
**NR Band n77 Ant C Measured  $P_{limit}$  for DSI = 3 (Hotspot Mode) - 100 MHz Bandwidth**

| NR Band n77<br>100 MHz Bandwidth |         |           |                       |                      |                                    |             |
|----------------------------------|---------|-----------|-----------------------|----------------------|------------------------------------|-------------|
|                                  |         |           | Channel               |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                       | RB Size | RB Offset | 650000<br>(3750 MHz)  | 662000<br>(3930 MHz) |                                    |             |
|                                  |         |           | Conducted Power [dBm] |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK       | 1       | 1         | 11.51                 | 11.57                | 0                                  | 0.0         |
|                                  | 1       | 137       | 11.44                 | 11.70                |                                    | 0.0         |
|                                  | 1       | 271       | 11.35                 | 10.78                |                                    | 0.0         |
|                                  | 135     | 0         | 11.51                 | 11.67                | 0-0.5                              | 0.0         |
|                                  | 135     | 69        | 11.41                 | 11.63                | 0                                  | 0.0         |
|                                  | 135     | 138       | 11.38                 | 11.22                | 0-0.5                              | 0.0         |
|                                  | 270     | 0         | 11.44                 | 11.46                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK               | 1       | 1         | 11.49                 | 11.53                | 0                                  | 0.0         |
|                                  | 1       | 137       | 11.50                 | <b>11.74</b>         |                                    | 0.0         |
|                                  | 1       | 271       | 11.51                 | 10.75                |                                    | 0.0         |
|                                  | 135     | 0         | 11.51                 | <b>11.66</b>         | 0-1                                | 0.0         |
|                                  | 135     | 69        | 11.40                 | 11.65                | 0                                  | 0.0         |
|                                  | 135     | 138       | 11.52                 | 11.19                | 0-1                                | 0.0         |
|                                  | 270     | 0         | 11.41                 | 11.46                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM              | 1       | 1         | 11.49                 | 11.69                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                  | 1       | 1         | 11.52                 | 11.63                | 0-1.5                              | 0.0         |

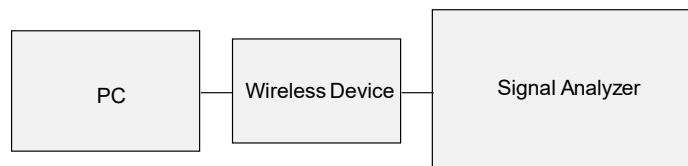


**Figure 9-4**  
**Power Measurement Setup**

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 127 of 337                 |

## 9.6 WLAN Conducted Powers

**Table 9-97**  
**2.4 GHz WLAN Maximum Average RF Power – Ant 2, Q**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |          |
|------------------------------|---------|------------------------|---------|---------|----------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |          |
|                              |         | 802.11b                | 802.11g | 802.11n | 802.11ax |
|                              |         | Average                | Average | Average | Average  |
| 2412                         | 1       | 18.77                  | 17.88   | 17.65   | 17.81    |
| 2437                         | 6       | 18.85                  | 17.96   | 17.65   | 17.75    |
| 2462                         | 11      | 18.95                  | 17.77   | 17.54   | 17.61    |

**Table 9-98**  
**2.4 GHz WLAN Maximum Average RF Power – Ant 2, N**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |          |
|------------------------------|---------|------------------------|---------|---------|----------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |          |
|                              |         | 802.11b                | 802.11g | 802.11n | 802.11ax |
|                              |         | Average                | Average | Average | Average  |
| 2412                         | 1       | 18.60                  | 17.77   | 17.98   | 17.68    |
| 2437                         | 6       | 18.85                  | 17.93   | 17.71   | 17.83    |
| 2462                         | 11      | 18.75                  | 17.82   | 17.68   | 17.75    |

**Table 9-99**  
**2.4 GHz WLAN Maximum Average RF Power – MIMO, Q**

| 2.4GHz 802.11b Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 18.63 | 18.77 | 21.71 |
| 2437                                 | 6       | 18.80 | 18.85 | 21.84 |
| 2462                                 | 11      | 18.96 | 18.95 | 21.97 |

**Table 9-100**  
**2.4 GHz WLAN Maximum Average RF Power – MIMO, N**

| 2.4GHz 802.11b Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 18.85 | 18.69 | 21.78 |
| 2437                                 | 6       | 18.66 | 18.97 | 21.83 |
| 2462                                 | 11      | 18.72 | 18.90 | 21.82 |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 128 of 337                        |

**Table 9-101**  
**5 GHz WLAN Maximum Average RF Power – Ant 1, Q**

| 5GHz (20MHz) Conducted Power [dBm] |         |                        |         |          |          |
|------------------------------------|---------|------------------------|---------|----------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |         |          |          |
|                                    |         | 802.11a                | 802.11n | 802.11ac | 802.11ax |
|                                    |         | Average                | Average | Average  | Average  |
| 5180                               | 36      | 15.85                  | 15.11   | 15.48    | 15.36    |
| 5200                               | 40      | 17.59                  | 17.62   | 17.72    | 17.64    |
| 5220                               | 44      | 17.58                  | 17.66   | 17.66    | 17.60    |
| 5240                               | 48      | 17.52                  | 17.48   | 17.52    | 17.42    |
| 5260                               | 52      | 17.65                  | 17.52   | 17.54    | 17.45    |
| 5280                               | 56      | 17.65                  | 17.50   | 17.54    | 17.50    |
| 5300                               | 60      | 17.80                  | 17.65   | 17.78    | 17.66    |
| 5320                               | 64      | 17.54                  | 16.62   | 16.95    | 16.94    |
| 5500                               | 100     | 17.62                  | 16.86   | 16.97    | 16.92    |
| 5600                               | 120     | 17.80                  | 17.69   | 17.52    | 17.57    |
| 5620                               | 124     | 17.62                  | 17.69   | 17.64    | 17.55    |
| 5720                               | 144     | 17.72                  | 17.59   | 17.60    | 17.57    |
| 5745                               | 149     | 17.71                  | 17.51   | 17.58    | 17.55    |
| 5785                               | 157     | 17.84                  | 17.67   | 17.80    | 17.63    |
| 5825                               | 165     | 17.58                  | 17.47   | 17.44    | 17.95    |

**Table 9-102**  
**5 GHz WLAN Maximum Average RF Power – Ant 1, N**

| 5GHz (20MHz) Conducted Power [dBm] |         |                        |         |          |          |
|------------------------------------|---------|------------------------|---------|----------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |         |          |          |
|                                    |         | 802.11a                | 802.11n | 802.11ac | 802.11ax |
|                                    |         | Average                | Average | Average  | Average  |
| 5180                               | 36      | 16.17                  | 15.47   | 15.41    | 15.22    |
| 5200                               | 40      | 17.98                  | 17.95   | 17.92    | 17.99    |
| 5220                               | 44      | 17.99                  | 17.98   | 17.98    | 17.98    |
| 5240                               | 48      | 17.75                  | 17.99   | 17.99    | 17.97    |
| 5260                               | 52      | 17.98                  | 17.97   | 17.93    | 17.96    |
| 5280                               | 56      | 17.92                  | 17.86   | 17.85    | 17.88    |
| 5300                               | 60      | 17.89                  | 17.85   | 17.87    | 17.86    |
| 5320                               | 64      | 17.99                  | 16.75   | 16.70    | 16.54    |
| 5500                               | 100     | 17.96                  | 16.67   | 16.65    | 16.99    |
| 5600                               | 120     | 17.81                  | 17.72   | 17.74    | 17.76    |
| 5620                               | 124     | 17.98                  | 17.95   | 17.97    | 17.98    |
| 5720                               | 144     | 17.99                  | 17.98   | 17.75    | 17.77    |
| 5745                               | 149     | 17.91                  | 17.89   | 17.92    | 17.94    |
| 5785                               | 157     | 17.78                  | 17.69   | 17.78    | 17.75    |
| 5825                               | 165     | 17.96                  | 17.97   | 17.98    | 17.99    |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 129 of 337                 |

**Table 9-103**  
**5 GHz WLAN Maximum Average RF Power – MIMO, Q**

| 5GHz (20MHz) 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                 | Channel | ANT1  | ANT2  | MIMO  |
| 5180                                       | 36      | 15.11 | 15.15 | 18.14 |
| 5200                                       | 40      | 17.62 | 17.91 | 20.78 |
| 5220                                       | 44      | 17.66 | 17.71 | 20.70 |
| 5240                                       | 48      | 17.48 | 17.64 | 20.57 |
| 5260                                       | 52      | 17.52 | 17.67 | 20.61 |
| 5280                                       | 56      | 17.50 | 17.84 | 20.68 |
| 5300                                       | 60      | 17.65 | 17.81 | 20.74 |
| 5320                                       | 64      | 16.62 | 16.92 | 19.78 |
| 5500                                       | 100     | 16.86 | 16.51 | 19.70 |
| 5520                                       | 104     | 17.64 | 17.62 | 20.64 |
| 5600                                       | 120     | 17.69 | 17.66 | 20.69 |
| 5620                                       | 124     | 17.69 | 17.56 | 20.64 |
| 5720                                       | 144     | 17.59 | 17.79 | 20.70 |
| 5745                                       | 149     | 17.51 | 17.98 | 20.76 |
| 5785                                       | 157     | 17.67 | 17.92 | 20.81 |
| 5825                                       | 165     | 17.47 | 17.54 | 20.52 |

**Table 9-104**  
**5 GHz WLAN Maximum Average RF Power – MIMO, N**

| 5GHz (20MHz) 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                 | Channel | ANT1  | ANT2  | MIMO  |
| 5180                                       | 36      | 15.50 | 15.00 | 18.27 |
| 5200                                       | 40      | 17.98 | 17.57 | 20.79 |
| 5220                                       | 44      | 17.38 | 17.96 | 20.69 |
| 5240                                       | 48      | 17.45 | 17.96 | 20.72 |
| 5260                                       | 52      | 17.64 | 17.95 | 20.81 |
| 5280                                       | 56      | 17.95 | 17.21 | 20.61 |
| 5300                                       | 60      | 17.96 | 17.83 | 20.91 |
| 5320                                       | 64      | 16.19 | 16.94 | 19.59 |
| 5500                                       | 100     | 16.95 | 16.04 | 19.53 |
| 5520                                       | 104     | 17.64 | 17.55 | 20.61 |
| 5600                                       | 120     | 17.98 | 17.52 | 20.77 |
| 5620                                       | 124     | 17.99 | 17.91 | 20.96 |
| 5720                                       | 144     | 17.96 | 17.43 | 20.71 |
| 5745                                       | 149     | 17.98 | 17.73 | 20.87 |
| 5785                                       | 157     | 17.86 | 17.39 | 20.64 |
| 5825                                       | 165     | 17.04 | 17.99 | 20.55 |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 130 of 337                                                                       |                                        |

Table 9-105

2.4 GHz WLAN Reduced Average RF Power for conditions with RCV active or RCV active During Conditions with 5 GHz WLAN and/or with 5G NR (FR1)– Ant 2, Q

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |          |
|------------------------------|---------|------------------------|---------|---------|----------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |          |
|                              |         | 802.11b                | 802.11g | 802.11n | 802.11ax |
|                              |         | Average                | Average | Average | Average  |
| 2412                         | 1       | 12.81                  | 12.77   | 12.97   | 12.92    |
| 2437                         | 6       | 12.97                  | 12.91   | 12.71   | 12.76    |
| 2462                         | 11      | 12.91                  | 12.77   | 12.61   | 12.70    |

Table 9-106

2.4 GHz WLAN Reduced Average RF Power for conditions with RCV active or RCV active During Conditions with 5 GHz WLAN and/or with 5G NR (FR1) – Ant 2, N

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |          |
|------------------------------|---------|------------------------|---------|---------|----------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |          |
|                              |         | 802.11b                | 802.11g | 802.11n | 802.11ax |
|                              |         | Average                | Average | Average | Average  |
| 2412                         | 1       | 12.94                  | 12.98   | 12.71   | 12.66    |
| 2437                         | 6       | 12.90                  | 12.87   | 12.95   | 12.79    |
| 2462                         | 11      | 12.62                  | 12.93   | 12.90   | 12.74    |

Table 9-107

2.4 GHz WLAN Reduced Average RF Power during Conditions with 5GHz WLAN and/or with 5G NR - Ant 2, Q

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |          |
|------------------------------|---------|------------------------|---------|---------|----------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |          |
|                              |         | 802.11b                | 802.11g | 802.11n | 802.11ax |
|                              |         | Average                | Average | Average | Average  |
| 2412                         | 1       | 14.80                  | 14.65   | 14.99   | 14.65    |
| 2437                         | 6       | 14.99                  | 14.61   | 14.65   | 14.76    |
| 2462                         | 11      | 14.85                  | 14.73   | 14.92   | 14.76    |

Table 9-108

2.4 GHz WLAN Reduced Average RF Power during Conditions with 5GHz WLAN and/or with 5G NR Ant 2, N

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |          |
|------------------------------|---------|------------------------|---------|---------|----------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |          |
|                              |         | 802.11b                | 802.11g | 802.11n | 802.11ax |
|                              |         | Average                | Average | Average | Average  |
| 2412                         | 1       | 14.99                  | 14.56   | 14.69   | 14.87    |
| 2437                         | 6       | 14.87                  | 14.70   | 14.89   | 14.92    |
| 2462                         | 11      | 14.86                  | 14.65   | 14.73   | 14.86    |

|                                             |                                                                                                                                                                                                                             |                               |                       |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  |                               | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                       |                                                                                       | Page 131 of 337                 |

Table 9-109

2.4 GHz WLAN Reduced Average RF Power for Conditions with RCV active or RCV active During Conditions with 5 GHz WLAN and/or with 5G NR (FR2) – Ant 2, Q

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |          |
|------------------------------|---------|------------------------|---------|---------|----------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |          |
|                              |         | 802.11b                | 802.11g | 802.11n | 802.11ax |
|                              |         | Average                | Average | Average | Average  |
| 2412                         | 1       | 10.68                  | 10.99   | 10.80   | 10.66    |
| 2437                         | 6       | 10.86                  | 10.69   | 10.65   | 10.79    |
| 2462                         | 11      | 10.60                  | 10.88   | 10.71   | 10.74    |

Table 9-110

2.4 GHz WLAN Reduced Average RF Power for Conditions with RCV active or RCV active During Conditions with 5 GHz WLAN and/or with 5G NR (FR2) – Ant 2, N

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |          |
|------------------------------|---------|------------------------|---------|---------|----------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |          |
|                              |         | 802.11b                | 802.11g | 802.11n | 802.11ax |
|                              |         | Average                | Average | Average | Average  |
| 2412                         | 1       | 10.74                  | 10.44   | 10.54   | 10.66    |
| 2437                         | 6       | 10.99                  | 10.71   | 10.53   | 10.79    |
| 2462                         | 11      | 10.91                  | 10.76   | 10.83   | 10.74    |

Table 9-111

2.4 GHz WLAN Reduced Average RF Power for conditions with RCV active or RCV active During Conditions with 5 GHz WLAN and/or with 5G NR (FR1) – MIMO, Q

| 2.4GHz 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 12.90 | 12.97 | 15.95 |
| 2437                                 | 6       | 12.76 | 12.71 | 15.75 |
| 2462                                 | 11      | 12.76 | 12.71 | 15.75 |

Table 9-112

2.4 GHz WLAN Reduced Average RF Power for conditions with RCV active or RCV active During Conditions with 5 GHz WLAN and/or with 5G NR (FR1) – MIMO, N

| 2.4GHz 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 12.58 | 12.71 | 15.66 |
| 2437                                 | 6       | 12.60 | 12.95 | 15.79 |
| 2462                                 | 11      | 12.90 | 12.90 | 15.91 |

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of Samsung | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 132 of 337                 |



Table 9-113

2.4 GHz WLAN Reduced Average RF Power for Conditions with RCV active or RCV active During Conditions with 5 GHz WLAN and/or with 5G NR (FR2) – MIMO, Q

| 2.4GHz 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 10.57 | 10.02 | 13.31 |
| 2437                                 | 6       | 10.95 | 9.53  | 13.31 |
| 2462                                 | 11      | 10.94 | 10.67 | 13.82 |

Table 9-114

2.4 GHz WLAN Reduced Average RF Power for Conditions with RCV active or RCV active During Conditions with 5 GHz WLAN and/or 5G NR (FR2) – MIMO, N

| 2.4GHz 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 10.22 | 10.54 | 13.39 |
| 2437                                 | 6       | 10.42 | 10.53 | 13.49 |
| 2462                                 | 11      | 10.08 | 10.83 | 13.48 |

Table 9-115

2.4 GHz WLAN Reduced Average RF Power during Conditions with 5GHz WLAN and/or with 5G NR – MIMO, Q

| 2.4GHz 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 14.64 | 14.99 | 17.83 |
| 2437                                 | 6       | 14.75 | 14.92 | 17.85 |
| 2462                                 | 11      | 14.63 | 14.65 | 17.65 |

Table 9-116

2.4 GHz WLAN Reduced Average RF Power NXP during Conditions with 5GHz WLAN and/or with 5G NR – MIMO, N

| 2.4GHz 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 14.63 | 14.69 | 17.67 |
| 2437                                 | 6       | 14.73 | 14.89 | 17.82 |
| 2462                                 | 11      | 14.89 | 14.73 | 17.82 |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 133 of 337                 |

Table 9-117

5 GHz WLAN Reduced Average RF Power for Conditions with RCV active or RCV active During Conditions with 2.4 GHz WLAN and/or with 5G NR – Ant 1, Q

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11ac               | 802.11ax |
|                                    |         | Average                | Average  |
| 5210                               | 42      | 10.98                  | 10.44    |
| 5290                               | 58      | 10.79                  | 10.66    |
| 5530                               | 106     | 10.81                  | 10.98    |
| 5610                               | 122     | 10.74                  | 10.94    |
| 5690                               | 138     | 10.87                  | 10.97    |
| 5775                               | 155     | 10.85                  | 10.88    |

Table 9-118

5 GHz WLAN Reduced Average RF Power for Conditions with RCV active or RCV active During Conditions with 2.4 GHz WLAN and/or 5G NR – Ant 1, N

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11ac               | 802.11ax |
|                                    |         | Average                | Average  |
| 5210                               | 42      | 10.91                  | 10.09    |
| 5290                               | 58      | 10.95                  | 10.17    |
| 5530                               | 106     | 10.80                  | 10.55    |
| 5610                               | 122     | 10.72                  | 10.69    |
| 5690                               | 138     | 10.82                  | 10.55    |
| 5775                               | 155     | 10.63                  | 10.53    |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 134 of 337                 |

**Table 9-119**  
**5 GHz WLAN Reduced Average RF Power during Conditions with 2.4 GHz WLAN and/or with 5G NR –**  
**Ant 1, Q**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          |          |
|------------------------------------|---------|------------------------|----------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |          |
|                                    |         | 802.11n                | 802.11ac | 802.11ax |
|                                    |         | Average                | Average  | Average  |
| 5190                               | 38      | 13.52                  | 13.41    | 13.45    |
| 5230                               | 46      | 14.71                  | 14.56    | 14.68    |
| 5270                               | 54      | 14.74                  | 14.65    | 14.75    |
| 5310                               | 62      | 14.77                  | 14.67    | 14.65    |

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11ac               | 802.11ax |
|                                    |         | Average                | Average  |
| 5530                               | 106     | 14.81                  | 14.72    |
| 5610                               | 122     | 14.68                  | 14.75    |
| 5690                               | 138     | 14.82                  | 14.72    |
| 5775                               | 155     | 14.55                  | 14.59    |

**Table 9-120**  
**5 GHz WLAN Reduced Average RF Power f during Conditions with 2.4 GHz WLAN and/or with 5G NR –**  
**Ant 1, N**

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          |          |
|------------------------------------|---------|------------------------|----------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |          |
|                                    |         | 802.11n                | 802.11ac | 802.11ax |
|                                    |         | Average                | Average  | Average  |
| 5190                               | 38      | 13.34                  | 13.43    | 13.30    |
| 5230                               | 46      | 14.75                  | 14.50    | 14.39    |
| 5270                               | 54      | 14.96                  | 14.65    | 14.39    |
| 5310                               | 62      | 14.79                  | 14.78    | 14.45    |

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11ac               | 802.11ax |
|                                    |         | Average                | Average  |
| 5530                               | 106     | 14.93                  | 14.82    |
| 5610                               | 122     | 14.83                  | 14.59    |
| 5690                               | 138     | 14.99                  | 14.92    |
| 5775                               | 155     | 14.57                  | 14.66    |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 135 of 337                 |

Table 9-121

5 GHz WLAN Reduced Average RF Power for Conditions with RCV active or RCV active During Conditions with 2.4 GHz WLAN and/or 5G NR – MIMO, Q

| 5GHz (80MHz) 802.11ac Conducted Power [dBm] |         |       |       |       |
|---------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                  | Channel | ANT1  | ANT2  | MIMO  |
| 5210                                        | 42      | 10.98 | 10.89 | 13.95 |
| 5290                                        | 58      | 10.79 | 10.70 | 13.76 |
| 5530                                        | 106     | 10.81 | 10.92 | 13.88 |
| 5610                                        | 122     | 10.74 | 10.61 | 13.69 |
| 5690                                        | 138     | 10.87 | 10.99 | 13.94 |
| 5775                                        | 155     | 10.85 | 10.50 | 13.69 |

Table 9-122

5 GHz WLAN Reduced Average RF Power for Conditions with RCV active or RCV active During Conditions with 2.4 GHz WLAN and/or 5G NR – MIMO, N

| 5GHz (80MHz) 802.11ac Conducted Power [dBm] |         |       |       |       |
|---------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                  | Channel | ANT1  | ANT2  | MIMO  |
| 5210                                        | 42      | 10.91 | 10.05 | 13.51 |
| 5290                                        | 58      | 10.95 | 10.89 | 13.93 |
| 5530                                        | 106     | 10.80 | 10.67 | 13.75 |
| 5610                                        | 122     | 10.72 | 9.90  | 13.34 |
| 5690                                        | 138     | 10.82 | 10.99 | 13.92 |
| 5775                                        | 155     | 10.63 | 10.65 | 13.65 |

Table 9-123

5 GHz WLAN Reduced Average RF Power during Conditions with 2.4 GHz WLAN and/or with 5G NR – MIMO, Q

| 5GHz (40MHz) 802.11n Conducted Power [dBm]  |         |       |       |       |
|---------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                  | Channel | ANT1  | ANT2  | MIMO  |
| 5190                                        | 38      | 13.49 | 13.98 | 16.75 |
| 5230                                        | 46      | 14.18 | 14.74 | 17.48 |
| 5270                                        | 54      | 14.26 | 14.82 | 17.56 |
| 5310                                        | 62      | 14.70 | 14.76 | 17.74 |
| 5GHz (80MHz) 802.11ac Conducted Power [dBm] |         |       |       |       |
| Freq [MHz]                                  | Channel | ANT1  | ANT2  | MIMO  |
| 5530                                        | 106     | 14.99 | 14.23 | 17.64 |
| 5610                                        | 122     | 14.86 | 14.84 | 17.86 |
| 5690                                        | 138     | 14.00 | 14.82 | 17.44 |
| 5775                                        | 155     | 14.01 | 14.73 | 17.40 |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 136 of 337                 |

**Table 9-124**  
**5 GHz WLAN Reduced Average RF Power during Conditions with 2.4 GHz WLAN and/or with 5G NR – MIMO, N**

| 5GHz (40MHz) 802.11n Conducted Power [dBm]  |         |       |       |       |
|---------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                  | Channel | ANT1  | ANT2  | MIMO  |
| 5190                                        | 38      | 13.38 | 13.27 | 16.34 |
| 5230                                        | 46      | 14.77 | 14.38 | 17.59 |
| 5270                                        | 54      | 14.65 | 14.77 | 17.72 |
| 5310                                        | 62      | 14.63 | 14.59 | 17.62 |
| 5GHz (80MHz) 802.11ac Conducted Power [dBm] |         |       |       |       |
| Freq [MHz]                                  | Channel | ANT1  | ANT2  | MIMO  |
| 5530                                        | 106     | 13.04 | 14.74 | 16.98 |
| 5610                                        | 122     | 14.15 | 14.78 | 17.49 |
| 5690                                        | 138     | 14.29 | 14.99 | 17.66 |
| 5775                                        | 155     | 14.59 | 14.76 | 17.69 |

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.

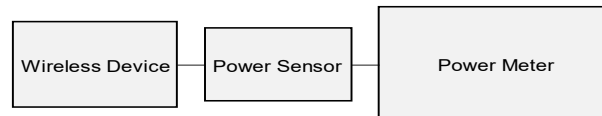


**Figure 9-5**  
**Power Measurement Setup**

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 137 of 337                 |

## 9.7 Bluetooth Conducted Powers

**Table 9-125**  
**Bluetooth Antenna 1 Maximum Average RF Power - Q**

| Frequency [MHz] | Data Rate [Mbps] | Mod.           | Power Scheme | Channel No. | Avg Conducted Power |        |
|-----------------|------------------|----------------|--------------|-------------|---------------------|--------|
|                 |                  |                |              |             | [dBm]               | [mW]   |
| 2402            | 1.0              | GFSK           | ePA          | 0           | 14.18               | 26.182 |
| 2441            | 1.0              | GFSK           | ePA          | 39          | 15.43               | 34.914 |
| 2480            | 1.0              | GFSK           | ePA          | 78          | 14.13               | 25.882 |
| 2402            | 2.0              | $\pi/4$ -DQPSK | ePA          | 0           | 12.16               | 16.444 |
| 2441            | 2.0              | $\pi/4$ -DQPSK | ePA          | 39          | 12.88               | 19.409 |
| 2480            | 2.0              | $\pi/4$ -DQPSK | ePA          | 78          | 12.16               | 16.444 |
| 2402            | 3.0              | 8DPSK          | ePA          | 0           | 11.88               | 15.417 |
| 2441            | 3.0              | 8DPSK          | ePA          | 39          | 12.93               | 19.634 |
| 2480            | 3.0              | 8DPSK          | ePA          | 78          | 11.92               | 15.560 |

**Table 9-126**  
**Bluetooth Antenna 2 Maximum Average RF Power Q**

| Frequency [MHz] | Data Rate [Mbps] | Mod.           | Power Scheme | Channel No. | Avg Conducted Power |        |
|-----------------|------------------|----------------|--------------|-------------|---------------------|--------|
|                 |                  |                |              |             | [dBm]               | [mW]   |
| 2402            | 1.0              | GFSK           | ePA          | 0           | 14.97               | 31.405 |
| 2441            | 1.0              | GFSK           | ePA          | 39          | 16.61               | 45.814 |
| 2480            | 1.0              | GFSK           | ePA          | 78          | 15.66               | 36.813 |
| 2402            | 2.0              | $\pi/4$ -DQPSK | ePA          | 0           | 12.40               | 17.378 |
| 2441            | 2.0              | $\pi/4$ -DQPSK | ePA          | 39          | 13.96               | 24.889 |
| 2480            | 2.0              | $\pi/4$ -DQPSK | ePA          | 78          | 12.31               | 17.022 |
| 2402            | 3.0              | 8DPSK          | ePA          | 0           | 12.40               | 17.378 |
| 2441            | 3.0              | 8DPSK          | ePA          | 39          | 14.29               | 26.853 |
| 2480            | 3.0              | 8DPSK          | ePA          | 78          | 13.33               | 21.528 |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 138 of 337                 |

**Table 9-127**  
**Bluetooth Antenna 1 Maximum Average RF Power - N**

| Frequency<br>[MHz] | Data<br>Rate<br>[Mbps] | Mod.           | Power<br>Scheme | Channel<br>No. | Avg Conducted<br>Power |        |
|--------------------|------------------------|----------------|-----------------|----------------|------------------------|--------|
|                    |                        |                |                 |                | [dBm]                  | [mW]   |
| 2402               | 1.0                    | GFSK           | ePA             | 0              | 14.92                  | 31.046 |
| 2441               | 1.0                    | GFSK           | ePA             | 39             | 15.55                  | 35.892 |
| 2480               | 1.0                    | GFSK           | ePA             | 78             | 14.75                  | 29.854 |
| 2402               | 2.0                    | $\pi/4$ -DQPSK | ePA             | 0              | 12.73                  | 18.750 |
| 2441               | 2.0                    | $\pi/4$ -DQPSK | ePA             | 39             | 13.38                  | 21.777 |
| 2480               | 2.0                    | $\pi/4$ -DQPSK | ePA             | 78             | 12.56                  | 18.030 |
| 2402               | 3.0                    | 8DPSK          | ePA             | 0              | 12.75                  | 18.836 |
| 2441               | 3.0                    | 8DPSK          | ePA             | 39             | 13.36                  | 21.677 |
| 2480               | 3.0                    | 8DPSK          | ePA             | 78             | 12.73                  | 18.750 |

**Table 9-128**  
**Bluetooth Antenna 2 Maximum Average RF Power - N**

| Frequency<br>[MHz] | Data<br>Rate<br>[Mbps] | Mod.           | Power<br>Scheme | Channel<br>No. | Avg Conducted<br>Power |        |
|--------------------|------------------------|----------------|-----------------|----------------|------------------------|--------|
|                    |                        |                |                 |                | [dBm]                  | [mW]   |
| 2402               | 1.0                    | GFSK           | ePA             | 0              | 15.26                  | 33.574 |
| 2441               | 1.0                    | GFSK           | ePA             | 39             | 16.55                  | 45.186 |
| 2480               | 1.0                    | GFSK           | ePA             | 78             | 16.60                  | 45.709 |
| 2402               | 2.0                    | $\pi/4$ -DQPSK | ePA             | 0              | 13.13                  | 20.559 |
| 2441               | 2.0                    | $\pi/4$ -DQPSK | ePA             | 39             | 14.15                  | 26.002 |
| 2480               | 2.0                    | $\pi/4$ -DQPSK | ePA             | 78             | 13.28                  | 21.281 |
| 2402               | 3.0                    | 8DPSK          | ePA             | 0              | 13.06                  | 20.230 |
| 2441               | 3.0                    | 8DPSK          | ePA             | 39             | 13.48                  | 22.284 |
| 2480               | 3.0                    | 8DPSK          | ePA             | 78             | 14.48                  | 28.054 |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 139 of 337                 |

**Table 9-129**  
**Bluetooth Antenna 1 BT Reduced 5G NR Active - Q**

| Frequency [MHz] | Data Rate [Mbps] | Mod. | Power Scheme | Channel No. | Avg Conducted Power |        |
|-----------------|------------------|------|--------------|-------------|---------------------|--------|
|                 |                  |      |              |             | [dBm]               | [mW]   |
| 2402            | 1.0              | GFSK | ePA          | 0           | 11.76               | 15.004 |
| 2441            | 1.0              | GFSK | ePA          | 39          | 13.10               | 20.408 |
| 2480            | 1.0              | GFSK | ePA          | 78          | 12.38               | 17.286 |

**Table 9-130**  
**Bluetooth Antenna 2 BT Reduced 5G NR Active - Q**

| Frequency [MHz] | Data Rate [Mbps] | Mod. | Power Scheme | Channel No. | Avg Conducted Power |        |
|-----------------|------------------|------|--------------|-------------|---------------------|--------|
|                 |                  |      |              |             | [dBm]               | [mW]   |
| 2402            | 1.0              | GFSK | ePA          | 0           | 12.24               | 16.742 |
| 2441            | 1.0              | GFSK | ePA          | 39          | 13.93               | 24.706 |
| 2480            | 1.0              | GFSK | ePA          | 78          | 13.61               | 22.956 |

**Table 9-131**  
**Bluetooth Antenna 1 BT Reduced 5G NR Active - N**

| Frequency [MHz] | Data Rate [Mbps] | Mod. | Power Scheme | Channel No. | Avg Conducted Power |        |
|-----------------|------------------|------|--------------|-------------|---------------------|--------|
|                 |                  |      |              |             | [dBm]               | [mW]   |
| 2402            | 1.0              | GFSK | ePA          | 0           | 12.41               | 17.398 |
| 2441            | 1.0              | GFSK | ePA          | 39          | 13.11               | 20.446 |
| 2480            | 1.0              | GFSK | ePA          | 78          | 12.33               | 17.104 |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 140 of 337                 |



**Table 9-132**  
**Bluetooth Antenna 2 BT Reduced 5G NR Active - N**

| Frequency [MHz] | Data Rate [Mbps] | Mod. | Power Scheme | Channel No. | Avg Conducted Power |        |
|-----------------|------------------|------|--------------|-------------|---------------------|--------|
|                 |                  |      |              |             | [dBm]               | [mW]   |
| 2402            | 1.0              | GFSK | ePA          | 0           | 12.96               | 19.751 |
| 2441            | 1.0              | GFSK | ePA          | 39          | 13.25               | 21.120 |
| 2480            | 1.0              | GFSK | ePA          | 78          | 13.67               | 23.259 |

**Table 9-133**  
**Bluetooth Antenna 1 BT Reduced RCV Active Conducted Power - Q**

| Frequency [MHz] | Data Rate [Mbps] | Mod. | Power Scheme | Channel No. | Avg Conducted Power |       |
|-----------------|------------------|------|--------------|-------------|---------------------|-------|
|                 |                  |      |              |             | [dBm]               | [mW]  |
| 2402            | 1.0              | GFSK | ePA          | 0           | 7.80                | 6.026 |
| 2441            | 1.0              | GFSK | ePA          | 39          | 8.62                | 7.278 |
| 2480            | 1.0              | GFSK | ePA          | 78          | 7.74                | 5.938 |

**Table 9-134**  
**Bluetooth Antenna 2 BT Reduced RCV Active Conducted Power - Q**

| Frequency [MHz] | Data Rate [Mbps] | Mod. | Power Scheme | Channel No. | Avg Conducted Power |       |
|-----------------|------------------|------|--------------|-------------|---------------------|-------|
|                 |                  |      |              |             | [dBm]               | [mW]  |
| 2402            | 1.0              | GFSK | ePA          | 0           | 7.79                | 6.008 |
| 2441            | 1.0              | GFSK | ePA          | 39          | 9.29                | 8.492 |
| 2480            | 1.0              | GFSK | ePA          | 78          | 8.94                | 7.828 |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 141 of 337                 |

**Table 9-135**  
**Bluetooth Antenna 1 BT Reduced RCV Active Conducted Power - N**

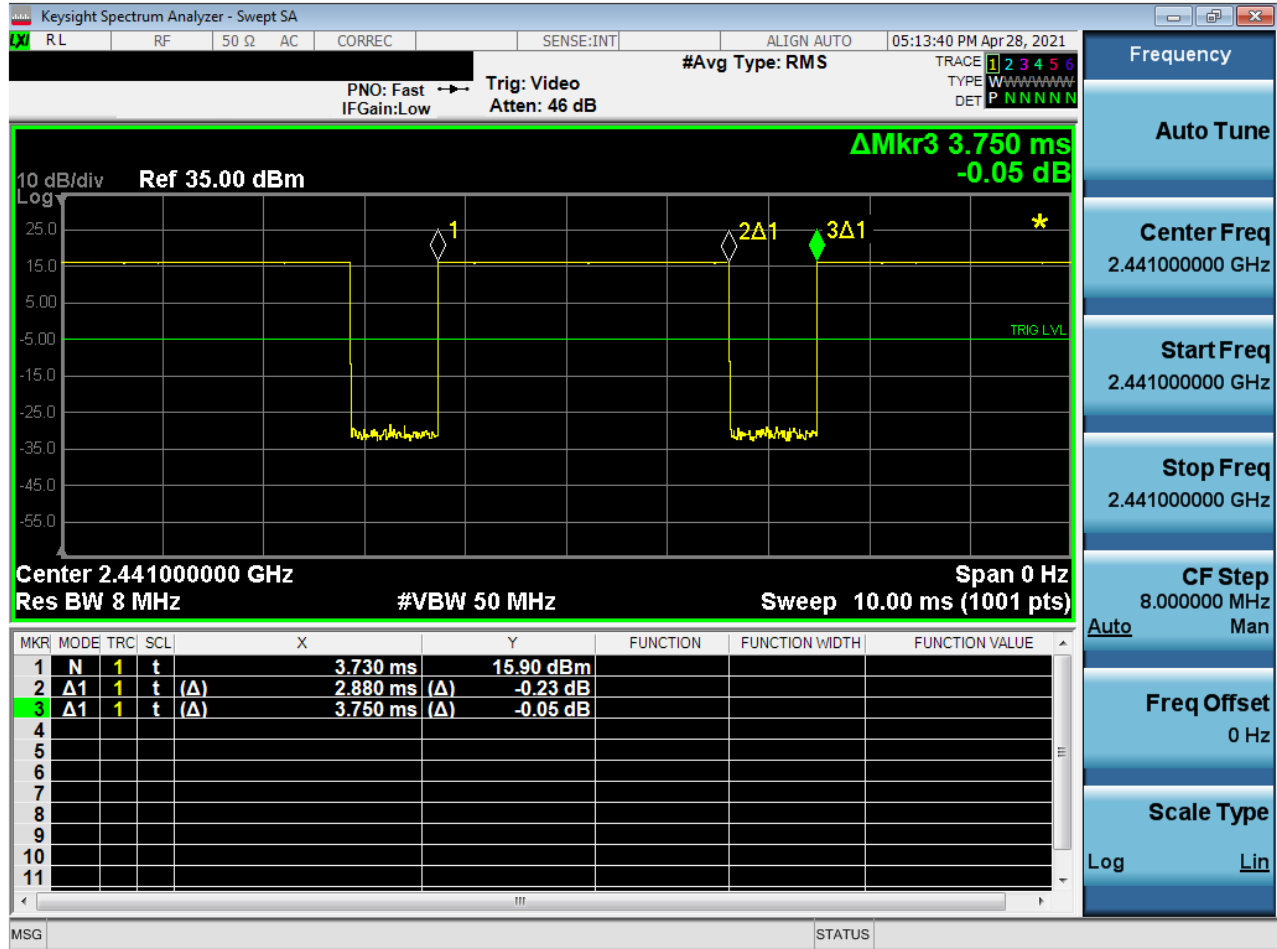
| Frequency [MHz] | Data Rate [Mbps] | Mod. | Power Scheme | Channel No. | Avg Conducted Power |       |
|-----------------|------------------|------|--------------|-------------|---------------------|-------|
|                 |                  |      |              |             | [dBm]               | [mW]  |
| 2402            | 1.0              | GFSK | ePA          | 0           | 7.50                | 5.628 |
| 2441            | 1.0              | GFSK | ePA          | 39          | 8.43                | 6.966 |
| 2480            | 1.0              | GFSK | ePA          | 78          | 7.62                | 5.778 |

**Table 9-136**  
**Bluetooth Antenna 2 BT Reduced RCV Active Conducted Power - N**

| Frequency [MHz] | Data Rate [Mbps] | Mod. | Power Scheme | Channel No. | Avg Conducted Power |       |
|-----------------|------------------|------|--------------|-------------|---------------------|-------|
|                 |                  |      |              |             | [dBm]               | [mW]  |
| 2402            | 1.0              | GFSK | ePA          | 0           | 7.85                | 6.098 |
| 2441            | 1.0              | GFSK | ePA          | 39          | 8.99                | 7.931 |
| 2480            | 1.0              | GFSK | ePA          | 78          | 9.44                | 8.785 |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 142 of 337                        |

**Figure 9-6**  
**Bluetooth Antenna 1 Transmission Plot - Q**

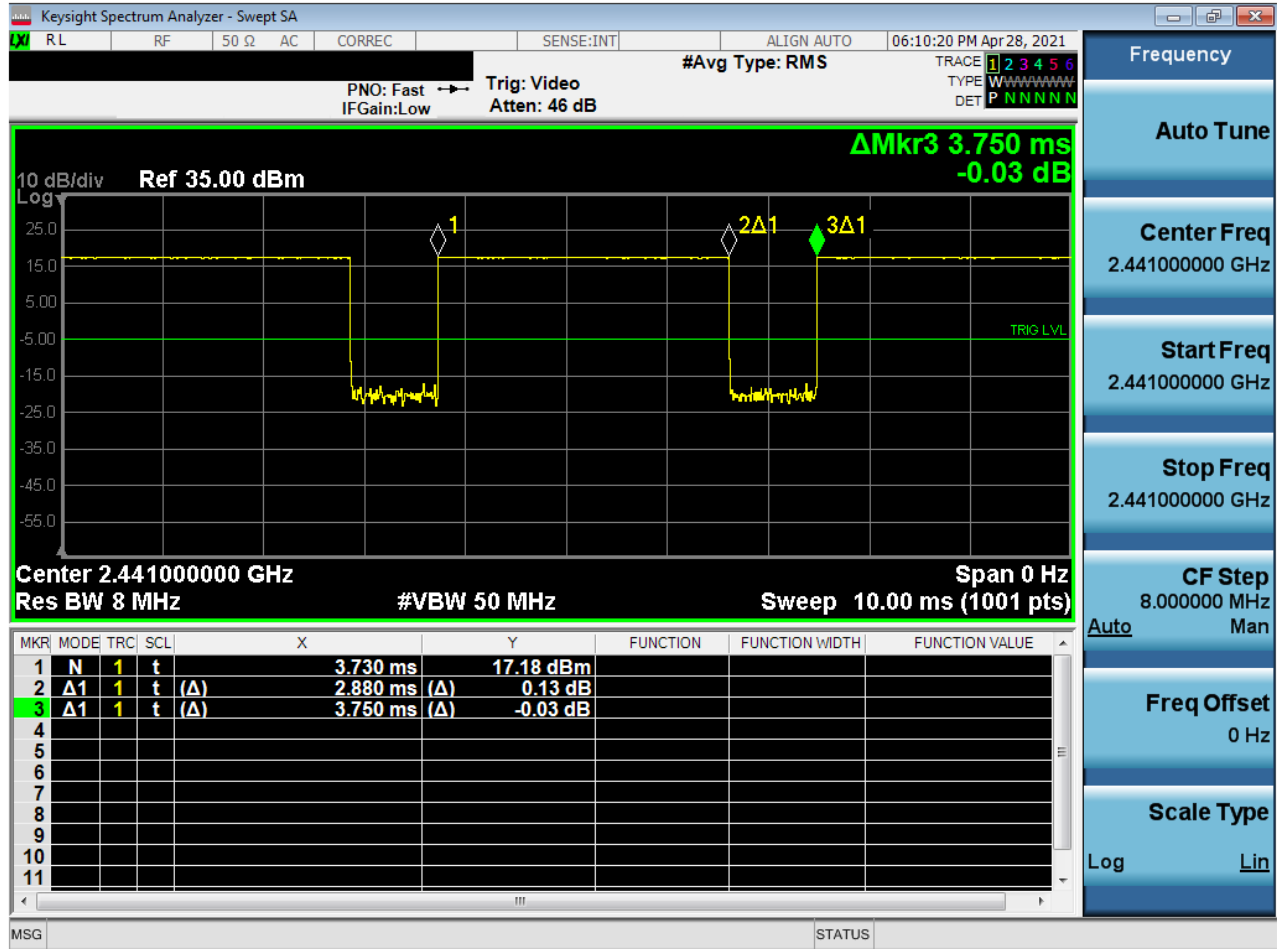


**Equation 9-1**  
**Bluetooth Antenna 1 Duty Cycle Calculation - Q**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.88\text{ms}}{3.75\text{ms}} * 100\% = 76.8\%$$

|                                             |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
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**Figure 9-7**  
**Bluetooth Antenna 2 Transmission Plot - Q**

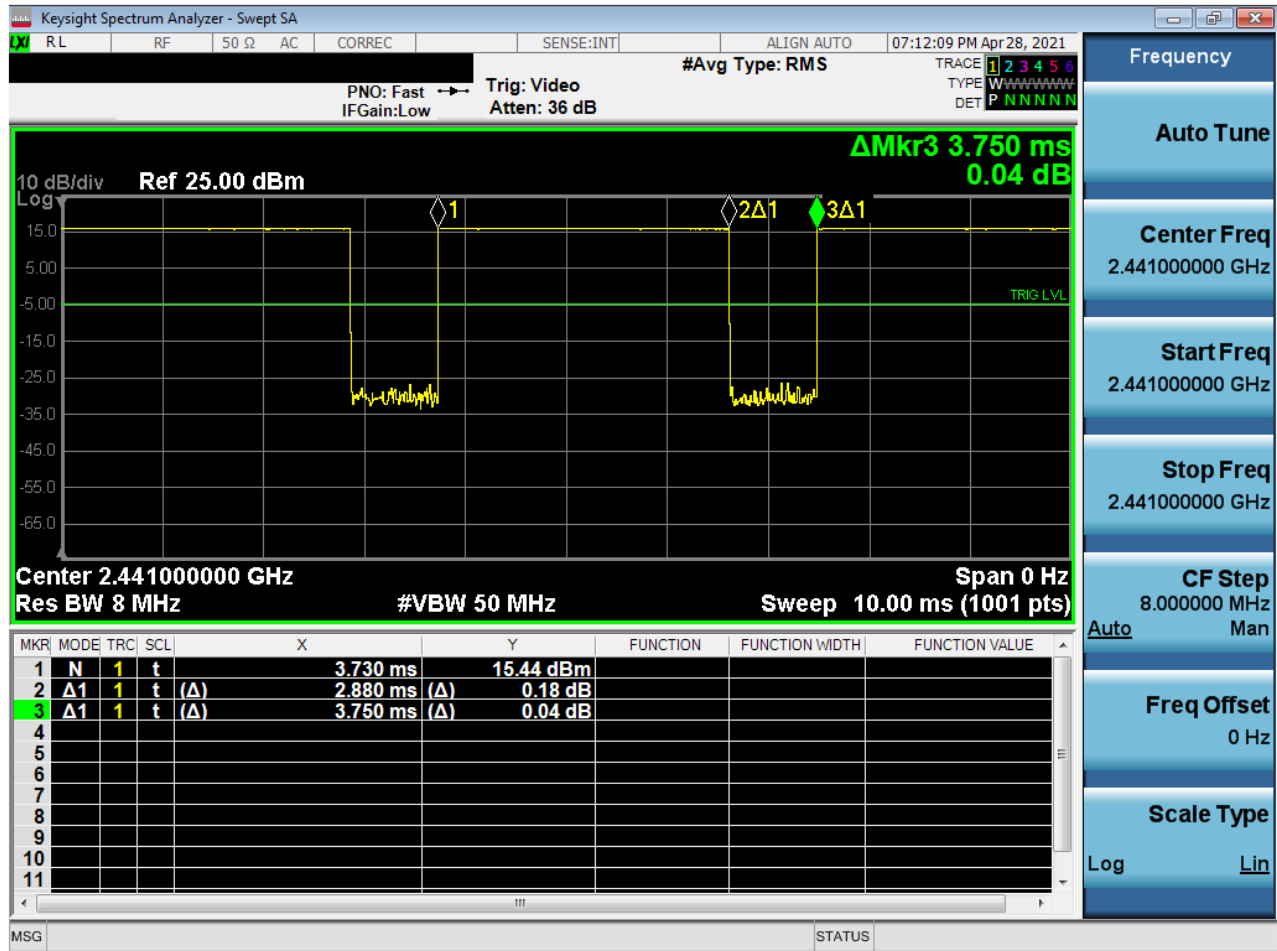


**Equation 9-2**  
**Bluetooth Antenna 2 Duty Cycle Calculation - Q**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.88\text{ms}}{3.75\text{ms}} * 100\% = 76.8\%$$

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 144 of 337                 |

**Figure 9-8**  
**Bluetooth Antenna 1 Transmission Plot - N**

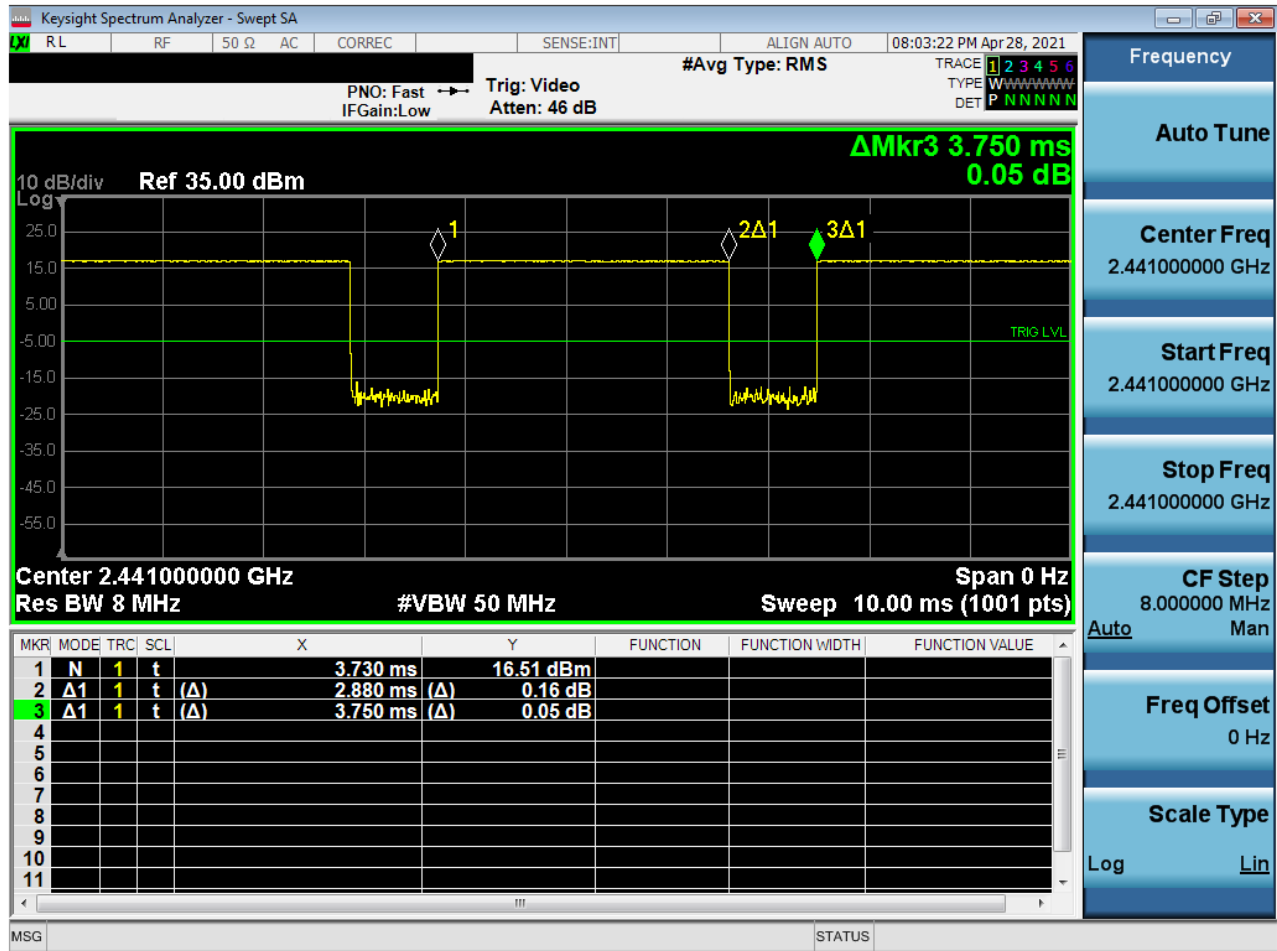


**Equation 9-3**  
**Bluetooth Antenna 1 Duty Cycle Calculation - N**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.88\text{ms}}{3.75\text{ms}} * 100\% = 76.8\%$$

|                                             |                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>PCTEST<br>Proud to be part of element | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 145 of 337                 |

**Figure 9-9**  
**Bluetooth Antenna 2 Transmission Plot - N**



**Equation 9-4**  
**Bluetooth Antenna 2 Duty Cycle Calculation - N**

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.88\text{ms}}{3.75\text{ms}} * 100\% = 76.8\%$$

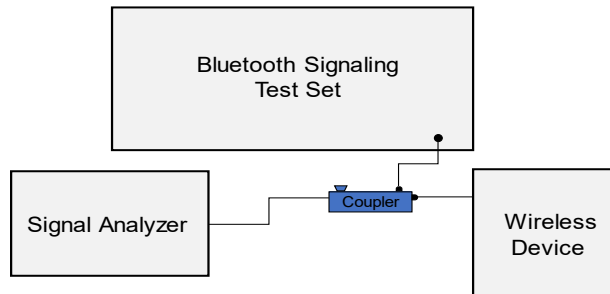


**Figure 9-10**  
**Power Measurement Setup**

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 146 of 337                 |

# 10 SYSTEM VERIFICATION

## 10.1 Tissue Verification

Table 10-1  
Measured Tissue Properties - Head

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 04/13/2021                         | 750 Head    | 23.4                                | 680                      | 0.895                                 | 42.295                                   | 0.888                               | 42.305                                 | 0.79%          | -0.02%           |
|                                    |             |                                     | 695                      | 0.900                                 | 42.258                                   | 0.889                               | 42.227                                 | 1.24%          | 0.07%            |
|                                    |             |                                     | 700                      | 0.902                                 | 42.245                                   | 0.889                               | 42.201                                 | 1.46%          | 0.10%            |
|                                    |             |                                     | 710                      | 0.905                                 | 42.212                                   | 0.890                               | 42.149                                 | 1.69%          | 0.15%            |
|                                    |             |                                     | 725                      | 0.911                                 | 42.153                                   | 0.891                               | 42.071                                 | 2.24%          | 0.19%            |
|                                    |             |                                     | 750                      | 0.920                                 | 42.068                                   | 0.894                               | 41.942                                 | 2.91%          | 0.30%            |
|                                    |             |                                     | 770                      | 0.926                                 | 42.011                                   | 0.895                               | 41.838                                 | 3.46%          | 0.41%            |
|                                    |             |                                     | 785                      | 0.932                                 | 41.965                                   | 0.896                               | 41.760                                 | 4.02%          | 0.49%            |
|                                    |             |                                     | 800                      | 0.938                                 | 41.916                                   | 0.897                               | 41.682                                 | 4.57%          | 0.56%            |
|                                    |             |                                     | 880                      | 0.897                                 | 42.648                                   | 0.888                               | 42.305                                 | 1.01%          | 0.81%            |
| 04/15/2021                         | 750 Head    | 20.9                                | 680                      | 0.897                                 | 42.648                                   | 0.888                               | 42.305                                 | 1.01%          | 0.81%            |
|                                    |             |                                     | 695                      | 0.902                                 | 42.614                                   | 0.889                               | 42.227                                 | 1.46%          | 0.92%            |
|                                    |             |                                     | 700                      | 0.903                                 | 42.603                                   | 0.889                               | 42.201                                 | 1.57%          | 0.95%            |
|                                    |             |                                     | 710                      | 0.907                                 | 42.574                                   | 0.890                               | 42.149                                 | 1.91%          | 1.01%            |
|                                    |             |                                     | 725                      | 0.912                                 | 42.523                                   | 0.891                               | 42.071                                 | 2.36%          | 1.07%            |
|                                    |             |                                     | 750                      | 0.922                                 | 42.434                                   | 0.894                               | 41.942                                 | 3.13%          | 1.17%            |
|                                    |             |                                     | 770                      | 0.930                                 | 42.367                                   | 0.895                               | 41.838                                 | 3.91%          | 1.26%            |
|                                    |             |                                     | 785                      | 0.935                                 | 42.313                                   | 0.896                               | 41.760                                 | 4.35%          | 1.32%            |
|                                    |             |                                     | 800                      | 0.941                                 | 42.264                                   | 0.897                               | 41.682                                 | 4.91%          | 1.40%            |
|                                    |             |                                     | 880                      | 0.877                                 | 42.375                                   | 0.888                               | 42.305                                 | -1.24%         | 0.17%            |
| 05/23/2021                         | 750 Head    | 22.2                                | 680                      | 0.877                                 | 42.375                                   | 0.888                               | 42.305                                 | -1.24%         | 0.17%            |
|                                    |             |                                     | 695                      | 0.882                                 | 42.315                                   | 0.889                               | 42.227                                 | -0.79%         | 0.21%            |
|                                    |             |                                     | 700                      | 0.884                                 | 42.298                                   | 0.889                               | 42.201                                 | -0.56%         | 0.23%            |
|                                    |             |                                     | 710                      | 0.887                                 | 42.266                                   | 0.890                               | 42.149                                 | -0.34%         | 0.28%            |
|                                    |             |                                     | 725                      | 0.892                                 | 42.222                                   | 0.891                               | 42.071                                 | 0.11%          | 0.36%            |
|                                    |             |                                     | 750                      | 0.901                                 | 42.153                                   | 0.894                               | 41.942                                 | 0.78%          | 0.50%            |
|                                    |             |                                     | 770                      | 0.908                                 | 42.092                                   | 0.895                               | 41.838                                 | 1.45%          | 0.61%            |
|                                    |             |                                     | 785                      | 0.913                                 | 42.042                                   | 0.896                               | 41.760                                 | 1.90%          | 0.68%            |
|                                    |             |                                     | 800                      | 0.919                                 | 41.993                                   | 0.897                               | 41.682                                 | 2.45%          | 0.75%            |
|                                    |             |                                     | 880                      | 0.868                                 | 40.609                                   | 0.899                               | 41.578                                 | -3.45%         | -2.33%           |
| 04/18/2021                         | 835 Head    | 23.0                                | 835                      | 0.882                                 | 40.419                                   | 0.900                               | 41.500                                 | -2.00%         | -2.60%           |
|                                    |             |                                     | 850                      | 0.896                                 | 40.236                                   | 0.916                               | 41.500                                 | -2.18%         | -3.05%           |
|                                    |             |                                     | 880                      | 0.874                                 | 40.540                                   | 0.899                               | 41.578                                 | -2.78%         | -2.50%           |
| 04/20/2021                         | 835 Head    | 20.9                                | 835                      | 0.888                                 | 40.341                                   | 0.900                               | 41.500                                 | -1.33%         | -2.79%           |
|                                    |             |                                     | 850                      | 0.902                                 | 40.151                                   | 0.916                               | 41.500                                 | -1.53%         | -3.25%           |
|                                    |             |                                     | 880                      | 0.926                                 | 41.477                                   | 0.899                               | 41.578                                 | 3.00%          | -0.24%           |
| 06/01/2021                         | 835 Head    | 21.7                                | 835                      | 0.932                                 | 41.465                                   | 0.900                               | 41.500                                 | 3.56%          | -0.08%           |
|                                    |             |                                     | 850                      | 0.938                                 | 41.447                                   | 0.916                               | 41.500                                 | 2.40%          | -0.13%           |
|                                    |             |                                     | 1710                     | 1.363                                 | 41.241                                   | 1.348                               | 40.142                                 | 1.11%          | 2.74%            |
| 04/11/2021                         | 1750 Head   | 22.3                                | 1720                     | 1.368                                 | 41.224                                   | 1.354                               | 40.126                                 | 1.03%          | 2.74%            |
|                                    |             |                                     | 1745                     | 1.383                                 | 41.177                                   | 1.368                               | 40.087                                 | 1.10%          | 2.72%            |
|                                    |             |                                     | 1750                     | 1.386                                 | 41.167                                   | 1.371                               | 40.079                                 | 1.09%          | 2.71%            |
|                                    |             |                                     | 1770                     | 1.397                                 | 41.126                                   | 1.383                               | 40.047                                 | 1.01%          | 2.69%            |
|                                    |             |                                     | 1790                     | 1.408                                 | 41.085                                   | 1.394                               | 40.016                                 | 1.00%          | 2.67%            |
|                                    |             |                                     | 1710                     | 1.352                                 | 40.563                                   | 1.348                               | 40.142                                 | 0.30%          | 1.05%            |
|                                    |             |                                     | 1720                     | 1.363                                 | 40.515                                   | 1.354                               | 40.126                                 | 0.66%          | 0.97%            |
| 05/16/2021                         | 1750 Head   | 21.4                                | 1745                     | 1.388                                 | 40.397                                   | 1.368                               | 40.087                                 | 1.46%          | 0.77%            |
|                                    |             |                                     | 1750                     | 1.393                                 | 40.373                                   | 1.371                               | 40.079                                 | 1.60%          | 0.73%            |
|                                    |             |                                     | 1770                     | 1.414                                 | 40.276                                   | 1.383                               | 40.047                                 | 2.24%          | 0.57%            |
|                                    |             |                                     | 1790                     | 1.434                                 | 40.177                                   | 1.394                               | 40.016                                 | 2.87%          | 0.40%            |
|                                    |             |                                     | 1710                     | 1.345                                 | 40.346                                   | 1.348                               | 40.142                                 | -0.22%         | 0.51%            |
|                                    |             |                                     | 1720                     | 1.355                                 | 40.299                                   | 1.354                               | 40.126                                 | 0.07%          | 0.43%            |
|                                    |             |                                     | 1745                     | 1.380                                 | 40.181                                   | 1.368                               | 40.087                                 | 0.88%          | 0.23%            |
| 05/20/2021                         | 1750 Head   | 22.4                                | 1750                     | 1.385                                 | 40.157                                   | 1.371                               | 40.079                                 | 1.02%          | 0.19%            |
|                                    |             |                                     | 1770                     | 1.405                                 | 40.062                                   | 1.383                               | 40.047                                 | 1.59%          | 0.04%            |
|                                    |             |                                     | 1790                     | 1.424                                 | 39.969                                   | 1.394                               | 40.016                                 | 2.15%          | -0.12%           |
|                                    |             |                                     | 1850                     | 1.388                                 | 39.847                                   | 1.400                               | 40.000                                 | -0.86%         | -0.38%           |
|                                    |             |                                     | 1860                     | 1.398                                 | 39.808                                   | 1.400                               | 40.000                                 | -0.14%         | -0.48%           |
|                                    |             |                                     | 1880                     | 1.419                                 | 39.740                                   | 1.400                               | 40.000                                 | 1.36%          | -0.65%           |
|                                    |             |                                     | 1900                     | 1.439                                 | 39.666                                   | 1.400                               | 40.000                                 | 2.79%          | -0.84%           |
| 04/12/2021                         | 1900 Head   | 24.1                                | 1905                     | 1.443                                 | 39.647                                   | 1.400                               | 40.000                                 | 3.07%          | -0.88%           |
|                                    |             |                                     | 1910                     | 1.448                                 | 39.626                                   | 1.400                               | 40.000                                 | 3.43%          | -0.94%           |

|                                             |                                                                                                                                                                                                                |                               |                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 147 of 337                        |

**Table 10-2**  
**Measured Tissue Head Continued**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 05/31/2021                         | 1900 Head   | 22.4                                | 1850                     | 1.376                                 | 39.428                                   | 1.400                               | 40.000                                 | -1.71%         | -1.43%           |
|                                    |             |                                     | 1860                     | 1.386                                 | 39.386                                   | 1.400                               | 40.000                                 | -1.00%         | -1.53%           |
|                                    |             |                                     | 1880                     | 1.407                                 | 39.301                                   | 1.400                               | 40.000                                 | 0.50%          | -1.75%           |
|                                    |             |                                     | 1900                     | 1.427                                 | 39.223                                   | 1.400                               | 40.000                                 | 1.93%          | -1.94%           |
|                                    |             |                                     | 1905                     | 1.433                                 | 39.203                                   | 1.400                               | 40.000                                 | 2.36%          | -1.99%           |
| 04/13/2021                         | 2450 Head   | 24.0                                | 1910                     | 1.438                                 | 39.183                                   | 1.400                               | 40.000                                 | 2.71%          | -2.04%           |
|                                    |             |                                     | 2300                     | 1.702                                 | 39.151                                   | 1.670                               | 39.500                                 | 1.92%          | -0.88%           |
|                                    |             |                                     | 2310                     | 1.712                                 | 39.113                                   | 1.679                               | 39.480                                 | 1.97%          | -0.93%           |
|                                    |             |                                     | 2320                     | 1.723                                 | 39.076                                   | 1.687                               | 39.460                                 | 2.13%          | -0.97%           |
|                                    |             |                                     | 2400                     | 1.807                                 | 38.755                                   | 1.756                               | 39.289                                 | 2.90%          | -1.36%           |
|                                    |             |                                     | 2450                     | 1.862                                 | 38.554                                   | 1.800                               | 39.200                                 | 3.44%          | -1.65%           |
|                                    |             |                                     | 2480                     | 1.893                                 | 38.428                                   | 1.833                               | 39.162                                 | 3.27%          | -1.87%           |
|                                    |             |                                     | 2500                     | 1.914                                 | 38.346                                   | 1.855                               | 39.136                                 | 3.18%          | -2.02%           |
|                                    |             |                                     | 2510                     | 1.925                                 | 38.304                                   | 1.866                               | 39.123                                 | 3.16%          | -2.09%           |
|                                    |             |                                     | 2535                     | 1.952                                 | 38.196                                   | 1.893                               | 39.092                                 | 3.12%          | -2.29%           |
|                                    |             |                                     | 2550                     | 1.969                                 | 38.135                                   | 1.909                               | 39.073                                 | 3.14%          | -2.40%           |
|                                    |             |                                     | 2560                     | 1.980                                 | 38.095                                   | 1.920                               | 39.060                                 | 3.13%          | -2.47%           |
|                                    |             |                                     | 2600                     | 2.021                                 | 37.949                                   | 1.964                               | 39.009                                 | 2.90%          | -2.72%           |
|                                    |             |                                     | 2650                     | 2.074                                 | 37.739                                   | 2.018                               | 38.945                                 | 2.78%          | -3.10%           |
| 04/22/2021                         | 2450 Head   | 24.6                                | 2680                     | 2.108                                 | 37.636                                   | 2.051                               | 38.907                                 | 2.78%          | -3.27%           |
|                                    |             |                                     | 2700                     | 2.128                                 | 37.572                                   | 2.073                               | 38.882                                 | 2.65%          | -3.37%           |
|                                    |             |                                     | 2300                     | 1.697                                 | 39.615                                   | 1.670                               | 39.500                                 | 1.62%          | 0.29%            |
|                                    |             |                                     | 2310                     | 1.708                                 | 39.585                                   | 1.679                               | 39.480                                 | 1.73%          | 0.27%            |
|                                    |             |                                     | 2320                     | 1.718                                 | 39.550                                   | 1.687                               | 39.460                                 | 1.84%          | 0.23%            |
|                                    |             |                                     | 2400                     | 1.807                                 | 39.271                                   | 1.756                               | 39.289                                 | 2.90%          | -0.05%           |
|                                    |             |                                     | 2450                     | 1.862                                 | 39.078                                   | 1.800                               | 39.200                                 | 3.44%          | -0.31%           |
|                                    |             |                                     | 2480                     | 1.895                                 | 38.959                                   | 1.833                               | 39.162                                 | 3.38%          | -0.52%           |
|                                    |             |                                     | 2500                     | 1.917                                 | 38.893                                   | 1.855                               | 39.136                                 | 3.34%          | -0.62%           |
|                                    |             |                                     | 2510                     | 1.927                                 | 38.858                                   | 1.866                               | 39.123                                 | 3.27%          | -0.68%           |
|                                    |             |                                     | 2535                     | 1.954                                 | 38.757                                   | 1.893                               | 39.092                                 | 3.22%          | -0.86%           |
|                                    |             |                                     | 2550                     | 1.971                                 | 38.693                                   | 1.909                               | 39.073                                 | 3.25%          | -0.97%           |
|                                    |             |                                     | 2560                     | 1.982                                 | 38.649                                   | 1.920                               | 39.060                                 | 3.23%          | -1.05%           |
|                                    |             |                                     | 2600                     | 2.026                                 | 38.518                                   | 1.964                               | 39.009                                 | 3.16%          | -1.26%           |
| 04/27/2021                         | 2450 Head   | 23.7                                | 2650                     | 2.078                                 | 38.320                                   | 2.018                               | 38.945                                 | 2.97%          | -1.60%           |
|                                    |             |                                     | 2680                     | 2.114                                 | 38.212                                   | 2.051                               | 38.907                                 | 3.07%          | -1.79%           |
|                                    |             |                                     | 2700                     | 2.135                                 | 38.150                                   | 2.073                               | 38.882                                 | 2.99%          | -1.88%           |
|                                    |             |                                     | 2300                     | 1.715                                 | 40.172                                   | 1.670                               | 39.500                                 | 2.69%          | 1.70%            |
|                                    |             |                                     | 2310                     | 1.726                                 | 40.137                                   | 1.679                               | 39.480                                 | 2.80%          | 1.66%            |
|                                    |             |                                     | 2320                     | 1.736                                 | 40.103                                   | 1.687                               | 39.460                                 | 2.90%          | 1.63%            |
|                                    |             |                                     | 2400                     | 1.818                                 | 39.838                                   | 1.756                               | 39.289                                 | 3.53%          | 1.40%            |
|                                    |             |                                     | 2450                     | 1.873                                 | 39.689                                   | 1.800                               | 39.200                                 | 4.06%          | 1.25%            |
|                                    |             |                                     | 2480                     | 1.907                                 | 39.599                                   | 1.833                               | 39.162                                 | 4.04%          | 1.12%            |
|                                    |             |                                     | 2500                     | 1.930                                 | 39.528                                   | 1.855                               | 39.136                                 | 4.04%          | 1.00%            |
|                                    |             |                                     | 2510                     | 1.941                                 | 39.489                                   | 1.866                               | 39.123                                 | 4.02%          | 0.94%            |
|                                    |             |                                     | 2535                     | 1.972                                 | 39.393                                   | 1.893                               | 39.092                                 | 4.17%          | 0.77%            |
|                                    |             |                                     | 2550                     | 1.990                                 | 39.342                                   | 1.909                               | 39.073                                 | 4.24%          | 0.69%            |
|                                    |             |                                     | 2560                     | 2.003                                 | 39.306                                   | 1.920                               | 39.060                                 | 4.32%          | 0.63%            |
|                                    |             |                                     | 2600                     | 2.048                                 | 39.162                                   | 1.964                               | 39.009                                 | 4.28%          | 0.39%            |
|                                    |             |                                     | 2650                     | 2.104                                 | 38.950                                   | 2.018                               | 38.945                                 | 4.26%          | 0.01%            |
|                                    |             |                                     | 2680                     | 2.140                                 | 38.844                                   | 2.051                               | 38.907                                 | 4.34%          | -0.16%           |
|                                    |             |                                     | 2700                     | 2.161                                 | 38.781                                   | 2.073                               | 38.882                                 | 4.25%          | -0.26%           |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 148 of 337                 |



**Table 10-3**  
**Measured Tissue Properties – Head Continued**

| Calibrated for Tests Performed on: | Tissue Type    | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|----------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 06/01/2021                         | 2450 Head      | 21.7                                | 2300                     | 1.753                                 | 39.519                                   | 1.670                               | 39.500                                 | 4.97%          | 0.05%            |
|                                    |                |                                     | 2310                     | 1.761                                 | 39.508                                   | 1.679                               | 39.480                                 | 4.88%          | 0.07%            |
|                                    |                |                                     | 2320                     | 1.768                                 | 39.497                                   | 1.687                               | 39.460                                 | 4.80%          | 0.09%            |
|                                    |                |                                     | 2400                     | 1.821                                 | 39.373                                   | 1.756                               | 39.289                                 | 3.70%          | 0.21%            |
|                                    |                |                                     | 2450                     | 1.858                                 | 39.312                                   | 1.800                               | 39.200                                 | 3.22%          | 0.29%            |
|                                    |                |                                     | 2480                     | 1.877                                 | 39.267                                   | 1.833                               | 39.162                                 | 2.40%          | 0.27%            |
|                                    |                |                                     | 2500                     | 1.891                                 | 39.236                                   | 1.855                               | 39.136                                 | 1.94%          | 0.26%            |
|                                    |                |                                     | 2510                     | 1.899                                 | 39.221                                   | 1.866                               | 39.123                                 | 1.77%          | 0.25%            |
|                                    |                |                                     | 2535                     | 1.919                                 | 39.190                                   | 1.893                               | 39.092                                 | 1.37%          | 0.25%            |
|                                    |                |                                     | 2550                     | 1.931                                 | 39.172                                   | 1.909                               | 39.073                                 | 1.15%          | 0.25%            |
|                                    |                |                                     | 2560                     | 1.938                                 | 39.157                                   | 1.920                               | 39.060                                 | 0.94%          | 0.25%            |
|                                    |                |                                     | 2600                     | 1.967                                 | 39.098                                   | 1.964                               | 39.009                                 | 0.15%          | 0.23%            |
|                                    |                |                                     | 2650                     | 2.005                                 | 39.015                                   | 2.018                               | 38.945                                 | -0.64%         | 0.18%            |
|                                    |                |                                     | 2680                     | 2.028                                 | 38.974                                   | 2.051                               | 38.907                                 | -1.12%         | 0.17%            |
|                                    |                |                                     | 2700                     | 2.042                                 | 38.952                                   | 2.073                               | 38.882                                 | -1.50%         | 0.18%            |
|                                    |                |                                     | 3300                     | 2.684                                 | 38.471                                   | 2.708                               | 38.157                                 | -0.89%         | 0.62%            |
|                                    |                |                                     | 3350                     | 2.734                                 | 38.369                                   | 2.759                               | 38.100                                 | -0.91%         | 0.71%            |
|                                    |                |                                     | 3450                     | 2.828                                 | 38.152                                   | 2.861                               | 37.986                                 | -1.15%         | 0.44%            |
|                                    |                |                                     | 3500                     | 2.876                                 | 38.051                                   | 2.913                               | 37.929                                 | -1.27%         | 0.32%            |
|                                    |                |                                     | 3550                     | 2.927                                 | 37.959                                   | 2.964                               | 37.871                                 | -1.25%         | 0.23%            |
| 05/10/2021                         | 3600 Head      | 19.0                                | 3560                     | 2.935                                 | 37.950                                   | 2.974                               | 37.860                                 | -1.31%         | 0.24%            |
|                                    |                |                                     | 3600                     | 2.970                                 | 37.863                                   | 3.015                               | 37.814                                 | -1.49%         | 0.13%            |
|                                    |                |                                     | 3650                     | 3.022                                 | 37.773                                   | 3.066                               | 37.757                                 | -1.44%         | 0.04%            |
|                                    |                |                                     | 3690                     | 3.056                                 | 37.701                                   | 3.107                               | 37.711                                 | -1.64%         | -0.03%           |
|                                    |                |                                     | 3700                     | 3.067                                 | 37.685                                   | 3.117                               | 37.700                                 | -1.60%         | -0.04%           |
|                                    |                |                                     | 3750                     | 3.123                                 | 37.576                                   | 3.169                               | 37.643                                 | -1.45%         | -0.18%           |
|                                    |                |                                     | 3900                     | 3.271                                 | 37.332                                   | 3.323                               | 37.471                                 | -1.56%         | -0.37%           |
|                                    |                |                                     | 3930                     | 3.306                                 | 37.259                                   | 3.353                               | 37.437                                 | -1.40%         | -0.48%           |
|                                    |                |                                     | 4100                     | 3.485                                 | 36.951                                   | 3.528                               | 37.243                                 | -1.22%         | -0.78%           |
|                                    |                |                                     | 4150                     | 3.541                                 | 36.868                                   | 3.579                               | 37.186                                 | -1.06%         | -0.86%           |
|                                    |                |                                     | 3300                     | 2.698                                 | 37.293                                   | 2.708                               | 38.157                                 | -0.37%         | -2.26%           |
|                                    |                |                                     | 3350                     | 2.743                                 | 37.212                                   | 2.759                               | 38.100                                 | -0.58%         | -2.33%           |
|                                    |                |                                     | 3450                     | 2.844                                 | 36.996                                   | 2.861                               | 37.986                                 | -0.59%         | -2.61%           |
|                                    |                |                                     | 3500                     | 2.886                                 | 36.854                                   | 2.913                               | 37.929                                 | -0.93%         | -2.83%           |
|                                    |                |                                     | 3550                     | 2.945                                 | 36.778                                   | 2.964                               | 37.871                                 | -0.64%         | -2.89%           |
|                                    |                |                                     | 3560                     | 2.954                                 | 36.769                                   | 2.974                               | 37.860                                 | -0.67%         | -2.88%           |
|                                    |                |                                     | 3600                     | 2.985                                 | 36.671                                   | 3.015                               | 37.814                                 | -1.00%         | -3.02%           |
|                                    |                |                                     | 3650                     | 3.046                                 | 36.572                                   | 3.066                               | 37.757                                 | -0.65%         | -3.14%           |
|                                    |                |                                     | 3690                     | 3.076                                 | 36.502                                   | 3.107                               | 37.711                                 | -1.00%         | -3.21%           |
| 05/19/2021                         | 3600 Head      | 18.3                                | 3700                     | 3.083                                 | 36.467                                   | 3.117                               | 37.700                                 | -1.09%         | -3.27%           |
|                                    |                |                                     | 3750                     | 3.148                                 | 36.360                                   | 3.169                               | 37.643                                 | -0.86%         | -3.41%           |
|                                    |                |                                     | 3900                     | 3.297                                 | 36.088                                   | 3.323                               | 37.471                                 | -0.78%         | -3.69%           |
|                                    |                |                                     | 3930                     | 3.330                                 | 36.012                                   | 3.353                               | 37.437                                 | -0.69%         | -3.81%           |
|                                    |                |                                     | 4100                     | 3.519                                 | 35.706                                   | 3.528                               | 37.243                                 | -0.26%         | -4.13%           |
|                                    |                |                                     | 4150                     | 3.570                                 | 35.594                                   | 3.579                               | 37.186                                 | -0.25%         | -4.28%           |
|                                    |                |                                     | 5180                     | 4.575                                 | 35.157                                   | 4.635                               | 36.009                                 | -1.29%         | -2.37%           |
|                                    |                |                                     | 5190                     | 4.585                                 | 35.136                                   | 4.645                               | 35.998                                 | -1.29%         | -2.39%           |
|                                    |                |                                     | 5200                     | 4.596                                 | 35.114                                   | 4.655                               | 35.986                                 | -1.27%         | -2.42%           |
|                                    |                |                                     | 5210                     | 4.608                                 | 35.094                                   | 4.666                               | 35.975                                 | -1.24%         | -2.45%           |
|                                    |                |                                     | 5220                     | 4.619                                 | 35.074                                   | 4.676                               | 35.963                                 | -1.22%         | -2.47%           |
|                                    |                |                                     | 5240                     | 4.639                                 | 35.028                                   | 4.696                               | 35.940                                 | -1.21%         | -2.54%           |
|                                    |                |                                     | 5250                     | 4.652                                 | 35.002                                   | 4.706                               | 35.929                                 | -1.15%         | -2.58%           |
|                                    |                |                                     | 5260                     | 4.664                                 | 34.979                                   | 4.717                               | 35.917                                 | -1.12%         | -2.61%           |
|                                    |                |                                     | 5270                     | 4.674                                 | 34.954                                   | 4.727                               | 35.906                                 | -1.12%         | -2.65%           |
|                                    |                |                                     | 5280                     | 4.684                                 | 34.935                                   | 4.737                               | 35.894                                 | -1.12%         | -2.67%           |
|                                    |                |                                     | 5290                     | 4.694                                 | 34.926                                   | 4.748                               | 35.883                                 | -1.14%         | -2.67%           |
|                                    |                |                                     | 5300                     | 4.707                                 | 34.916                                   | 4.758                               | 35.871                                 | -1.07%         | -2.66%           |
|                                    |                |                                     | 5310                     | 4.719                                 | 34.904                                   | 4.768                               | 35.860                                 | -1.03%         | -2.67%           |
| 05/17/2021                         | 5200-5800 Head | 20.7                                | 5320                     | 4.730                                 | 34.888                                   | 4.778                               | 35.849                                 | -1.00%         | -2.68%           |
|                                    |                |                                     | 5500                     | 4.935                                 | 34.576                                   | 4.963                               | 35.843                                 | -0.56%         | -2.99%           |
|                                    |                |                                     | 5510                     | 4.947                                 | 34.556                                   | 4.973                               | 35.832                                 | -0.52%         | -3.02%           |
|                                    |                |                                     | 5520                     | 4.961                                 | 34.536                                   | 4.983                               | 35.820                                 | -0.44%         | -3.04%           |
|                                    |                |                                     | 5530                     | 4.975                                 | 34.518                                   | 4.994                               | 35.809                                 | -0.38%         | -3.06%           |
|                                    |                |                                     | 5540                     | 4.989                                 | 34.503                                   | 5.004                               | 35.597                                 | -0.30%         | -3.07%           |
|                                    |                |                                     | 5550                     | 5.002                                 | 34.491                                   | 5.014                               | 35.585                                 | -0.24%         | -3.08%           |
|                                    |                |                                     | 5560                     | 5.014                                 | 34.480                                   | 5.024                               | 35.574                                 | -0.20%         | -3.08%           |
|                                    |                |                                     | 5580                     | 5.033                                 | 34.446                                   | 5.045                               | 35.551                                 | -0.24%         | -3.11%           |
|                                    |                |                                     | 5600                     | 5.054                                 | 34.394                                   | 5.065                               | 35.529                                 | -0.22%         | -3.19%           |
|                                    |                |                                     | 5610                     | 5.066                                 | 34.378                                   | 5.076                               | 35.518                                 | -0.20%         | -3.21%           |
|                                    |                |                                     | 5620                     | 5.078                                 | 34.363                                   | 5.086                               | 35.506                                 | -0.16%         | -3.22%           |
|                                    |                |                                     | 5640                     | 5.102                                 | 34.325                                   | 5.106                               | 35.483                                 | -0.08%         | -3.26%           |
|                                    |                |                                     | 5660                     | 5.129                                 | 34.309                                   | 5.127                               | 35.460                                 | 0.04%          | -3.25%           |
|                                    |                |                                     | 5670                     | 5.138                                 | 34.302                                   | 5.137                               | 35.449                                 | 0.02%          | -3.24%           |
|                                    |                |                                     | 5680                     | 5.146                                 | 34.283                                   | 5.147                               | 35.437                                 | -0.02%         | -3.26%           |
|                                    |                |                                     | 5690                     | 5.156                                 | 34.261                                   | 5.158                               | 35.426                                 | -0.04%         | -3.29%           |
|                                    |                |                                     | 5700                     | 5.167                                 | 34.240                                   | 5.168                               | 35.414                                 | -0.02%         | -3.32%           |
|                                    |                |                                     | 5710                     | 5.180                                 | 34.221                                   | 5.178                               | 35.403                                 | 0.04%          | -3.34%           |
| 05/10/2021                         | 3600 Head      | 19.0                                | 5720                     | 5.193                                 | 34.203                                   | 5.188                               | 35.391                                 | 0.10%          | -3.36%           |
|                                    |                |                                     | 5745                     | 5.219                                 | 34.145                                   | 5.214                               | 35.363                                 | 0.10%          | -3.44%           |
|                                    |                |                                     | 5750                     | 5.226                                 | 34.139                                   | 5.219                               | 35.357                                 | 0.13%          | -3.44%           |
|                                    |                |                                     | 5755                     | 5.233                                 | 34.134                                   | 5.224                               | 35.351                                 | 0.17%          | -3.44%           |
|                                    |                |                                     | 5765                     | 5.245                                 | 34.125                                   | 5.234                               | 35.340                                 | 0.21%          | -3.44%           |
|                                    |                |                                     | 5775                     | 5.255                                 | 34.112                                   | 5.245                               | 35.329                                 | 0.19%          | -3.44%           |
|                                    |                |                                     | 5785                     | 5.263                                 | 34.095                                   | 5.255                               | 35.317                                 | 0.15%          | -3.46%           |
|                                    |                |                                     | 5795                     | 5.272                                 | 34.075                                   | 5.265                               | 35.305                                 | 0.13%          | -3.48%           |
|                                    |                |                                     | 5800                     | 5.277                                 | 34.067                                   | 5.270                               | 35.300                                 | 0.13%          | -3.49%           |
|                                    |                |                                     | 5800                     | 5.277                                 | 34.067                                   | 5.270                               | 35.300                                 | 0.13%          | -3.49%           |
|                                    |                |                                     | 5805                     | 5.282                                 | 34.061                                   | 5.275                               | 35.294                                 | 0.13%          | -3.49%           |
|                                    |                |                                     | 5825                     | 5.299                                 | 34.020                                   | 5.296                               | 35.271                                 | 0.06%          | -3.55%           |

|                                             |                                                                                                                                                                                                                                                                                              |                               |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <div><b>PCTEST</b><br/><small>Proud to be part of Samsung</small></div> <div>SAR EVALUATION REPORT</div> <div></div> |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 149 of 337                 |

**Table 10-4**  
**Measured Tissue Properties – Body**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 04/14/2021                         | 750 Body    | 22.6                                | 680                      | 0.962                                 | 54.467                                   | 0.958                               | 55.804                                 | 0.42%          | -2.40%           |
|                                    |             |                                     | 695                      | 0.967                                 | 54.430                                   | 0.959                               | 55.745                                 | 0.83%          | -2.36%           |
|                                    |             |                                     | 700                      | 0.969                                 | 54.422                                   | 0.959                               | 55.726                                 | 1.04%          | -2.34%           |
|                                    |             |                                     | 710                      | 0.973                                 | 54.402                                   | 0.960                               | 55.687                                 | 1.35%          | -2.31%           |
|                                    |             |                                     | 725                      | 0.979                                 | 54.368                                   | 0.961                               | 55.629                                 | 1.87%          | -2.27%           |
|                                    |             |                                     | 750                      | 0.989                                 | 54.303                                   | 0.964                               | 55.531                                 | 2.59%          | -2.21%           |
|                                    |             |                                     | 770                      | 0.996                                 | 54.240                                   | 0.965                               | 55.453                                 | 3.21%          | -2.19%           |
|                                    |             |                                     | 785                      | 1.001                                 | 54.196                                   | 0.966                               | 55.395                                 | 3.62%          | -2.16%           |
|                                    |             |                                     | 800                      | 1.007                                 | 54.160                                   | 0.967                               | 55.336                                 | 4.14%          | -2.13%           |
| 04/25/2021                         | 750 Body    | 22.3                                | 680                      | 0.936                                 | 54.725                                   | 0.958                               | 55.804                                 | -2.30%         | -1.93%           |
|                                    |             |                                     | 695                      | 0.941                                 | 54.685                                   | 0.959                               | 55.745                                 | -1.88%         | -1.90%           |
|                                    |             |                                     | 700                      | 0.943                                 | 54.671                                   | 0.959                               | 55.726                                 | -1.67%         | -1.89%           |
|                                    |             |                                     | 710                      | 0.946                                 | 54.645                                   | 0.960                               | 55.687                                 | -1.46%         | -1.87%           |
|                                    |             |                                     | 725                      | 0.952                                 | 54.615                                   | 0.961                               | 55.629                                 | -0.94%         | -1.82%           |
|                                    |             |                                     | 750                      | 0.960                                 | 54.572                                   | 0.964                               | 55.531                                 | -0.41%         | -1.73%           |
|                                    |             |                                     | 770                      | 0.968                                 | 54.524                                   | 0.965                               | 55.453                                 | 0.31%          | -1.68%           |
|                                    |             |                                     | 785                      | 0.973                                 | 54.478                                   | 0.966                               | 55.395                                 | 0.72%          | -1.66%           |
|                                    |             |                                     | 800                      | 0.979                                 | 54.434                                   | 0.967                               | 55.336                                 | 1.24%          | -1.63%           |
| 04/27/2021                         | 750 Body    | 22.2                                | 680                      | 0.955                                 | 54.561                                   | 0.958                               | 55.804                                 | -0.31%         | -2.23%           |
|                                    |             |                                     | 695                      | 0.960                                 | 54.519                                   | 0.959                               | 55.745                                 | 0.10%          | -2.20%           |
|                                    |             |                                     | 700                      | 0.962                                 | 54.507                                   | 0.959                               | 55.726                                 | 0.31%          | -2.19%           |
|                                    |             |                                     | 710                      | 0.966                                 | 54.482                                   | 0.960                               | 55.687                                 | 0.63%          | -2.16%           |
|                                    |             |                                     | 725                      | 0.971                                 | 54.450                                   | 0.961                               | 55.629                                 | 1.04%          | -2.12%           |
|                                    |             |                                     | 750                      | 0.981                                 | 54.395                                   | 0.964                               | 55.531                                 | 1.76%          | -2.05%           |
|                                    |             |                                     | 770                      | 0.988                                 | 54.339                                   | 0.965                               | 55.453                                 | 2.38%          | -2.01%           |
|                                    |             |                                     | 785                      | 0.994                                 | 54.296                                   | 0.966                               | 55.395                                 | 2.90%          | -1.98%           |
|                                    |             |                                     | 800                      | 1.000                                 | 54.252                                   | 0.967                               | 55.336                                 | 3.41%          | -1.96%           |
| 05/02/2021                         | 750 Body    | 21.6                                | 680                      | 0.914                                 | 55.369                                   | 0.958                               | 55.804                                 | -4.59%         | -0.78%           |
|                                    |             |                                     | 695                      | 0.920                                 | 55.331                                   | 0.959                               | 55.745                                 | -4.07%         | -0.74%           |
|                                    |             |                                     | 700                      | 0.922                                 | 55.318                                   | 0.959                               | 55.726                                 | -3.86%         | -0.73%           |
|                                    |             |                                     | 710                      | 0.926                                 | 55.289                                   | 0.960                               | 55.687                                 | -3.54%         | -0.71%           |
|                                    |             |                                     | 725                      | 0.932                                 | 55.245                                   | 0.961                               | 55.629                                 | -3.02%         | -0.69%           |
|                                    |             |                                     | 750                      | 0.942                                 | 55.165                                   | 0.964                               | 55.531                                 | -2.28%         | -0.66%           |
|                                    |             |                                     | 770                      | 0.948                                 | 55.108                                   | 0.965                               | 55.453                                 | -1.76%         | -0.62%           |
|                                    |             |                                     | 785                      | 0.954                                 | 55.071                                   | 0.966                               | 55.395                                 | -1.24%         | -0.58%           |
|                                    |             |                                     | 800                      | 0.960                                 | 55.044                                   | 0.967                               | 55.336                                 | -0.72%         | -0.53%           |
| 05/04/2021                         | 750 Body    | 22.8                                | 680                      | 0.957                                 | 54.202                                   | 0.958                               | 55.804                                 | -0.10%         | -2.87%           |
|                                    |             |                                     | 695                      | 0.962                                 | 54.159                                   | 0.959                               | 55.745                                 | 0.31%          | -2.85%           |
|                                    |             |                                     | 700                      | 0.964                                 | 54.143                                   | 0.959                               | 55.726                                 | 0.52%          | -2.84%           |
|                                    |             |                                     | 710                      | 0.968                                 | 54.117                                   | 0.960                               | 55.687                                 | 0.83%          | -2.82%           |
|                                    |             |                                     | 725                      | 0.973                                 | 54.084                                   | 0.961                               | 55.629                                 | 1.25%          | -2.78%           |
|                                    |             |                                     | 750                      | 0.982                                 | 54.029                                   | 0.964                               | 55.531                                 | 1.87%          | -2.70%           |
|                                    |             |                                     | 770                      | 0.989                                 | 53.982                                   | 0.965                               | 55.453                                 | 2.49%          | -2.65%           |
|                                    |             |                                     | 785                      | 0.994                                 | 53.945                                   | 0.966                               | 55.395                                 | 2.90%          | -2.62%           |
|                                    |             |                                     | 800                      | 1.000                                 | 53.906                                   | 0.967                               | 55.336                                 | 3.41%          | -2.58%           |
| 05/09/2021                         | 750 Body    | 21.7                                | 680                      | 0.925                                 | 54.382                                   | 0.958                               | 55.804                                 | -3.44%         | -2.55%           |
|                                    |             |                                     | 695                      | 0.930                                 | 54.344                                   | 0.959                               | 55.745                                 | -3.02%         | -2.51%           |
|                                    |             |                                     | 700                      | 0.932                                 | 54.330                                   | 0.959                               | 55.726                                 | -2.82%         | -2.51%           |
|                                    |             |                                     | 710                      | 0.936                                 | 54.302                                   | 0.960                               | 55.687                                 | -2.50%         | -2.49%           |
|                                    |             |                                     | 725                      | 0.942                                 | 54.260                                   | 0.961                               | 55.629                                 | -1.98%         | -2.46%           |
|                                    |             |                                     | 750                      | 0.951                                 | 54.192                                   | 0.964                               | 55.531                                 | -1.35%         | -2.41%           |
|                                    |             |                                     | 770                      | 0.957                                 | 54.140                                   | 0.965                               | 55.453                                 | -0.83%         | -2.37%           |
|                                    |             |                                     | 785                      | 0.963                                 | 54.106                                   | 0.966                               | 55.395                                 | -0.31%         | -2.33%           |
|                                    |             |                                     | 800                      | 0.969                                 | 54.078                                   | 0.967                               | 55.336                                 | 0.21%          | -2.27%           |
| 04/23/2021                         | 835 Body    | 21.6                                | 820                      | 0.930                                 | 53.762                                   | 0.969                               | 55.258                                 | -4.02%         | -2.71%           |
|                                    |             |                                     | 835                      | 0.946                                 | 53.602                                   | 0.970                               | 55.200                                 | -2.47%         | -2.89%           |
|                                    |             |                                     | 850                      | 0.962                                 | 53.441                                   | 0.988                               | 55.154                                 | -2.63%         | -3.11%           |
| 04/25/2021                         | 835 Body    | 20.6                                | 820                      | 0.947                                 | 53.300                                   | 0.969                               | 55.258                                 | -2.27%         | -3.54%           |
|                                    |             |                                     | 835                      | 0.963                                 | 53.137                                   | 0.970                               | 55.200                                 | -0.72%         | -3.74%           |
|                                    |             |                                     | 850                      | 0.979                                 | 52.975                                   | 0.988                               | 55.154                                 | -0.91%         | -3.95%           |

|                                             |                                                                                                                                                                                                                                                                                              |                               |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <div><b>PCTEST</b><br/><small>Proud to be part of element</small></div> <div>SAR EVALUATION REPORT</div> <div></div> |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 150 of 337                 |

**Table 10-5**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 04/27/2021                         | 835 Body    | 22.1                                | 820                      | 0.930                                 | 53.209                                   | 0.969                               | 55.258                                 | -4.02%         | -3.71%           |
|                                    |             |                                     | 835                      | 0.945                                 | 53.047                                   | 0.970                               | 55.200                                 | -2.58%         | -3.90%           |
|                                    |             |                                     | 850                      | 0.961                                 | 52.907                                   | 0.988                               | 55.154                                 | -2.73%         | -4.07%           |
| 04/29/2021                         | 835 Body    | 21.4                                | 820                      | 0.944                                 | 53.210                                   | 0.969                               | 55.258                                 | -2.58%         | -3.71%           |
|                                    |             |                                     | 835                      | 0.959                                 | 53.048                                   | 0.970                               | 55.200                                 | -1.13%         | -3.90%           |
|                                    |             |                                     | 850                      | 0.974                                 | 52.905                                   | 0.988                               | 55.154                                 | -1.42%         | -4.08%           |
| 05/03/2021                         | 835 Body    | 21.5                                | 820                      | 0.944                                 | 52.923                                   | 0.969                               | 55.258                                 | -2.58%         | -4.23%           |
|                                    |             |                                     | 835                      | 0.960                                 | 52.776                                   | 0.970                               | 55.200                                 | -1.03%         | -4.39%           |
|                                    |             |                                     | 850                      | 0.976                                 | 52.633                                   | 0.988                               | 55.154                                 | -1.21%         | -4.57%           |
| 06/02/2021                         | 835 Body    | 22.2                                | 820                      | 0.947                                 | 53.339                                   | 0.969                               | 55.258                                 | -2.27%         | -3.47%           |
|                                    |             |                                     | 835                      | 0.963                                 | 53.180                                   | 0.970                               | 55.200                                 | -0.72%         | -3.66%           |
|                                    |             |                                     | 850                      | 0.980                                 | 53.017                                   | 0.988                               | 55.154                                 | -0.81%         | -3.87%           |
| 04/27/2021                         | 1750 Body   | 22.2                                | 1710                     | 1.443                                 | 51.673                                   | 1.463                               | 53.537                                 | -1.37%         | -3.48%           |
|                                    |             |                                     | 1720                     | 1.454                                 | 51.639                                   | 1.469                               | 53.511                                 | -1.02%         | -3.50%           |
|                                    |             |                                     | 1745                     | 1.481                                 | 51.550                                   | 1.485                               | 53.445                                 | -0.27%         | -3.55%           |
|                                    |             |                                     | 1750                     | 1.486                                 | 51.531                                   | 1.488                               | 53.432                                 | -0.13%         | -3.56%           |
|                                    |             |                                     | 1770                     | 1.507                                 | 51.456                                   | 1.501                               | 53.379                                 | 0.40%          | -3.60%           |
|                                    |             |                                     | 1790                     | 1.529                                 | 51.381                                   | 1.514                               | 53.326                                 | 0.99%          | -3.65%           |
| 05/02/2021                         | 1750 Body   | 20.6                                | 1710                     | 1.488                                 | 51.255                                   | 1.463                               | 53.537                                 | 1.71%          | -4.26%           |
|                                    |             |                                     | 1720                     | 1.500                                 | 51.217                                   | 1.469                               | 53.511                                 | 2.11%          | -4.29%           |
|                                    |             |                                     | 1745                     | 1.529                                 | 51.122                                   | 1.485                               | 53.445                                 | 2.96%          | -4.35%           |
|                                    |             |                                     | 1750                     | 1.535                                 | 51.102                                   | 1.488                               | 53.432                                 | 3.16%          | -4.36%           |
|                                    |             |                                     | 1770                     | 1.558                                 | 51.019                                   | 1.501                               | 53.379                                 | 3.80%          | -4.42%           |
|                                    |             |                                     | 1790                     | 1.582                                 | 50.935                                   | 1.514                               | 53.326                                 | 4.49%          | -4.48%           |
| 05/04/2021                         | 1750 Body   | 22.2                                | 1710                     | 1.467                                 | 50.956                                   | 1.463                               | 53.537                                 | 0.27%          | -4.82%           |
|                                    |             |                                     | 1720                     | 1.478                                 | 50.920                                   | 1.469                               | 53.511                                 | 0.61%          | -4.84%           |
|                                    |             |                                     | 1745                     | 1.506                                 | 50.831                                   | 1.485                               | 53.445                                 | 1.41%          | -4.89%           |
|                                    |             |                                     | 1750                     | 1.511                                 | 50.813                                   | 1.488                               | 53.432                                 | 1.55%          | -4.90%           |
|                                    |             |                                     | 1770                     | 1.532                                 | 50.737                                   | 1.501                               | 53.379                                 | 2.07%          | -4.95%           |
|                                    |             |                                     | 1790                     | 1.554                                 | 50.666                                   | 1.514                               | 53.326                                 | 2.64%          | -4.99%           |
| 05/06/2021                         | 1750 Body   | 23.0                                | 1710                     | 1.423                                 | 51.041                                   | 1.463                               | 53.537                                 | -2.73%         | -4.66%           |
|                                    |             |                                     | 1720                     | 1.433                                 | 51.004                                   | 1.469                               | 53.511                                 | -2.45%         | -4.69%           |
|                                    |             |                                     | 1745                     | 1.459                                 | 50.906                                   | 1.485                               | 53.445                                 | -1.75%         | -4.75%           |
|                                    |             |                                     | 1750                     | 1.464                                 | 50.886                                   | 1.488                               | 53.432                                 | -1.61%         | -4.76%           |
|                                    |             |                                     | 1770                     | 1.484                                 | 50.806                                   | 1.501                               | 53.379                                 | -1.13%         | -4.82%           |
|                                    |             |                                     | 1790                     | 1.504                                 | 50.740                                   | 1.514                               | 53.326                                 | -0.66%         | -4.85%           |
| 05/18/2021                         | 1750 Body   | 21.1                                | 1710                     | 1.499                                 | 52.059                                   | 1.463                               | 53.537                                 | 2.46%          | -2.76%           |
|                                    |             |                                     | 1720                     | 1.511                                 | 52.019                                   | 1.469                               | 53.511                                 | 2.86%          | -2.79%           |
|                                    |             |                                     | 1745                     | 1.539                                 | 51.912                                   | 1.485                               | 53.445                                 | 3.64%          | -2.87%           |
|                                    |             |                                     | 1750                     | 1.545                                 | 51.889                                   | 1.488                               | 53.432                                 | 3.83%          | -2.89%           |
|                                    |             |                                     | 1770                     | 1.567                                 | 51.800                                   | 1.501                               | 53.379                                 | 4.40%          | -2.96%           |
|                                    |             |                                     | 1790                     | 1.589                                 | 51.709                                   | 1.514                               | 53.326                                 | 4.95%          | -3.03%           |
| 05/20/2021                         | 1750 Body   | 21.9                                | 1710                     | 1.455                                 | 52.124                                   | 1.463                               | 53.537                                 | -0.55%         | -2.64%           |
|                                    |             |                                     | 1720                     | 1.466                                 | 52.089                                   | 1.469                               | 53.511                                 | -0.20%         | -2.66%           |
|                                    |             |                                     | 1745                     | 1.494                                 | 51.999                                   | 1.485                               | 53.445                                 | 0.61%          | -2.71%           |
|                                    |             |                                     | 1750                     | 1.500                                 | 51.980                                   | 1.488                               | 53.432                                 | 0.81%          | -2.72%           |
|                                    |             |                                     | 1770                     | 1.522                                 | 51.898                                   | 1.501                               | 53.379                                 | 1.40%          | -2.77%           |
|                                    |             |                                     | 1790                     | 1.544                                 | 51.810                                   | 1.514                               | 53.326                                 | 1.98%          | -2.84%           |
| 05/22/2021                         | 1750 Body   | 21.0                                | 1710                     | 1.488                                 | 51.731                                   | 1.463                               | 53.537                                 | 1.71%          | -3.37%           |
|                                    |             |                                     | 1720                     | 1.500                                 | 51.692                                   | 1.469                               | 53.511                                 | 2.11%          | -3.40%           |
|                                    |             |                                     | 1745                     | 1.529                                 | 51.590                                   | 1.485                               | 53.445                                 | 2.96%          | -3.47%           |
|                                    |             |                                     | 1750                     | 1.535                                 | 51.567                                   | 1.488                               | 53.432                                 | 3.16%          | -3.49%           |
|                                    |             |                                     | 1770                     | 1.557                                 | 51.474                                   | 1.501                               | 53.379                                 | 3.73%          | -3.57%           |
|                                    |             |                                     | 1790                     | 1.580                                 | 51.376                                   | 1.514                               | 53.326                                 | 4.36%          | -3.66%           |
| 04/21/2021                         | 1900 Body   | 22.6                                | 1850                     | 1.523                                 | 51.476                                   | 1.520                               | 53.300                                 | 0.20%          | -3.42%           |
|                                    |             |                                     | 1860                     | 1.534                                 | 51.441                                   | 1.520                               | 53.300                                 | 0.92%          | -3.49%           |
|                                    |             |                                     | 1880                     | 1.556                                 | 51.376                                   | 1.520                               | 53.300                                 | 2.37%          | -3.61%           |
|                                    |             |                                     | 1900                     | 1.578                                 | 51.307                                   | 1.520                               | 53.300                                 | 3.82%          | -3.74%           |
|                                    |             |                                     | 1905                     | 1.584                                 | 51.290                                   | 1.520                               | 53.300                                 | 4.21%          | -3.77%           |
|                                    |             |                                     | 1910                     | 1.590                                 | 51.272                                   | 1.520                               | 53.300                                 | 4.61%          | -3.80%           |
| 04/28/2021                         | 1900 Body   | 22.3                                | 1850                     | 1.497                                 | 52.201                                   | 1.520                               | 53.300                                 | -1.51%         | -2.06%           |
|                                    |             |                                     | 1860                     | 1.508                                 | 52.161                                   | 1.520                               | 53.300                                 | -0.79%         | -2.14%           |
|                                    |             |                                     | 1880                     | 1.531                                 | 52.084                                   | 1.520                               | 53.300                                 | 0.72%          | -2.28%           |
|                                    |             |                                     | 1900                     | 1.553                                 | 52.012                                   | 1.520                               | 53.300                                 | 2.17%          | -2.42%           |
|                                    |             |                                     | 1905                     | 1.559                                 | 51.995                                   | 1.520                               | 53.300                                 | 2.57%          | -2.45%           |
|                                    |             |                                     | 1910                     | 1.564                                 | 51.979                                   | 1.520                               | 53.300                                 | 2.89%          | -2.48%           |
| 05/02/2021                         | 1900 Body   | 24.5                                | 1850                     | 1.491                                 | 51.897                                   | 1.520                               | 53.300                                 | -1.91%         | -2.63%           |
|                                    |             |                                     | 1860                     | 1.502                                 | 51.857                                   | 1.520                               | 53.300                                 | -1.18%         | -2.71%           |
|                                    |             |                                     | 1880                     | 1.525                                 | 51.790                                   | 1.520                               | 53.300                                 | 0.33%          | -2.83%           |
|                                    |             |                                     | 1900                     | 1.548                                 | 51.739                                   | 1.520                               | 53.300                                 | 1.84%          | -2.93%           |
|                                    |             |                                     | 1905                     | 1.554                                 | 51.725                                   | 1.520                               | 53.300                                 | 2.24%          | -2.95%           |
|                                    |             |                                     | 1910                     | 1.559                                 | 51.710                                   | 1.520                               | 53.300                                 | 2.57%          | -2.98%           |
| 05/05/2021                         | 1900 Body   | 22.5                                | 1850                     | 1.506                                 | 52.700                                   | 1.520                               | 53.300                                 | -0.92%         | -1.13%           |
|                                    |             |                                     | 1860                     | 1.517                                 | 52.662                                   | 1.520                               | 53.300                                 | -0.20%         | -1.20%           |
|                                    |             |                                     | 1880                     | 1.539                                 | 52.594                                   | 1.520                               | 53.300                                 | 1.25%          | -1.32%           |
|                                    |             |                                     | 1900                     | 1.562                                 | 52.532                                   | 1.520                               | 53.300                                 | 2.76%          | -1.44%           |
|                                    |             |                                     | 1905                     | 1.568                                 | 52.515                                   | 1.520                               | 53.300                                 | 3.16%          | -1.47%           |
|                                    |             |                                     | 1910                     | 1.573                                 | 52.497                                   | 1.520                               | 53.300                                 | 3.49%          | -1.51%           |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 10-6**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 05/16/2021                         | 1900 Body   | 23.3                                | 1850                     | 1.509                                 | 51.980                                   | 1.520                               | 53.300                                 | -0.72%         | -2.48%           |
|                                    |             |                                     | 1860                     | 1.520                                 | 51.942                                   | 1.520                               | 53.300                                 | 0.00%          | -2.55%           |
|                                    |             |                                     | 1880                     | 1.541                                 | 51.867                                   | 1.520                               | 53.300                                 | 1.38%          | -2.69%           |
|                                    |             |                                     | 1900                     | 1.564                                 | 51.795                                   | 1.520                               | 53.300                                 | 2.89%          | -2.82%           |
|                                    |             |                                     | 1905                     | 1.569                                 | 51.776                                   | 1.520                               | 53.300                                 | 3.22%          | -2.86%           |
|                                    |             |                                     | 1910                     | 1.575                                 | 51.757                                   | 1.520                               | 53.300                                 | 3.62%          | -2.89%           |
| 05/19/2021                         | 1900 Body   | 22.5                                | 1850                     | 1.506                                 | 53.263                                   | 1.520                               | 53.300                                 | -0.92%         | -0.07%           |
|                                    |             |                                     | 1860                     | 1.517                                 | 53.230                                   | 1.520                               | 53.300                                 | -0.20%         | -0.13%           |
|                                    |             |                                     | 1880                     | 1.540                                 | 53.169                                   | 1.520                               | 53.300                                 | 1.32%          | -0.25%           |
|                                    |             |                                     | 1900                     | 1.562                                 | 53.109                                   | 1.520                               | 53.300                                 | 2.76%          | -0.36%           |
|                                    |             |                                     | 1905                     | 1.568                                 | 53.094                                   | 1.520                               | 53.300                                 | 3.16%          | -0.39%           |
|                                    |             |                                     | 1910                     | 1.573                                 | 53.078                                   | 1.520                               | 53.300                                 | 3.49%          | -0.42%           |
| 05/22/2021                         | 1900 Body   | 23.2                                | 1850                     | 1.512                                 | 52.249                                   | 1.520                               | 53.300                                 | -0.53%         | -1.97%           |
|                                    |             |                                     | 1860                     | 1.523                                 | 52.219                                   | 1.520                               | 53.300                                 | 0.20%          | -2.03%           |
|                                    |             |                                     | 1880                     | 1.546                                 | 52.157                                   | 1.520                               | 53.300                                 | 1.71%          | -2.14%           |
|                                    |             |                                     | 1900                     | 1.570                                 | 52.095                                   | 1.520                               | 53.300                                 | 3.29%          | -2.26%           |
|                                    |             |                                     | 1905                     | 1.576                                 | 52.079                                   | 1.520                               | 53.300                                 | 3.68%          | -2.29%           |
|                                    |             |                                     | 1910                     | 1.582                                 | 52.063                                   | 1.520                               | 53.300                                 | 4.08%          | -2.32%           |
| 05/31/2021                         | 1900 Body   | 21.7                                | 1850                     | 1.515                                 | 52.191                                   | 1.520                               | 53.300                                 | -0.33%         | -2.08%           |
|                                    |             |                                     | 1860                     | 1.526                                 | 52.158                                   | 1.520                               | 53.300                                 | 0.39%          | -2.14%           |
|                                    |             |                                     | 1880                     | 1.548                                 | 52.092                                   | 1.520                               | 53.300                                 | 1.84%          | -2.27%           |
|                                    |             |                                     | 1900                     | 1.571                                 | 52.031                                   | 1.520                               | 53.300                                 | 3.36%          | -2.38%           |
|                                    |             |                                     | 1905                     | 1.577                                 | 52.016                                   | 1.520                               | 53.300                                 | 3.75%          | -2.41%           |
|                                    |             |                                     | 1910                     | 1.583                                 | 51.998                                   | 1.520                               | 53.300                                 | 4.14%          | -2.44%           |
| 06/02/2021                         | 1900 Body   | 24.4                                | 1850                     | 1.449                                 | 52.403                                   | 1.520                               | 53.300                                 | -4.67%         | -1.68%           |
|                                    |             |                                     | 1860                     | 1.459                                 | 52.368                                   | 1.520                               | 53.300                                 | -4.01%         | -1.75%           |
|                                    |             |                                     | 1880                     | 1.479                                 | 52.297                                   | 1.520                               | 53.300                                 | -2.70%         | -1.88%           |
|                                    |             |                                     | 1900                     | 1.499                                 | 52.225                                   | 1.520                               | 53.300                                 | -1.38%         | -2.02%           |
|                                    |             |                                     | 1905                     | 1.505                                 | 52.206                                   | 1.520                               | 53.300                                 | -0.99%         | -2.05%           |
|                                    |             |                                     | 1910                     | 1.510                                 | 52.187                                   | 1.520                               | 53.300                                 | -0.66%         | -2.09%           |
| 04/08/2021                         | 2450 Body   | 22.7                                | 2300                     | 1.859                                 | 51.097                                   | 1.809                               | 52.900                                 | 2.76%          | -3.41%           |
|                                    |             |                                     | 2310                     | 1.871                                 | 51.066                                   | 1.816                               | 52.887                                 | 3.03%          | -3.44%           |
|                                    |             |                                     | 2320                     | 1.882                                 | 51.036                                   | 1.826                               | 52.873                                 | 3.07%          | -3.47%           |
|                                    |             |                                     | 2400                     | 1.972                                 | 50.810                                   | 1.902                               | 52.767                                 | 3.68%          | -3.71%           |
|                                    |             |                                     | 2450                     | 2.030                                 | 50.661                                   | 1.950                               | 52.700                                 | 4.10%          | -3.87%           |
|                                    |             |                                     | 2480                     | 2.065                                 | 50.575                                   | 1.993                               | 52.662                                 | 3.61%          | -3.96%           |
|                                    |             |                                     | 2500                     | 2.087                                 | 50.517                                   | 2.021                               | 52.636                                 | 3.27%          | -4.03%           |
|                                    |             |                                     | 2510                     | 2.099                                 | 50.485                                   | 2.035                               | 52.623                                 | 3.14%          | -4.06%           |
|                                    |             |                                     | 2535                     | 2.129                                 | 50.408                                   | 2.071                               | 52.592                                 | 2.80%          | -4.15%           |
|                                    |             |                                     | 2550                     | 2.147                                 | 50.363                                   | 2.092                               | 52.573                                 | 2.63%          | -4.20%           |
|                                    |             |                                     | 2560                     | 2.159                                 | 50.332                                   | 2.106                               | 52.560                                 | 2.52%          | -4.24%           |
|                                    |             |                                     | 2600                     | 2.206                                 | 50.205                                   | 2.163                               | 52.509                                 | 1.99%          | -4.39%           |
|                                    |             |                                     | 2650                     | 2.264                                 | 50.050                                   | 2.234                               | 52.445                                 | 1.34%          | -4.57%           |
|                                    |             |                                     | 2680                     | 2.298                                 | 49.954                                   | 2.277                               | 52.407                                 | 0.92%          | -4.68%           |
|                                    |             |                                     | 2700                     | 2.321                                 | 49.889                                   | 2.305                               | 52.382                                 | 0.69%          | -4.76%           |
| 04/11/2021                         | 2450 Body   | 22.3                                | 2300                     | 1.857                                 | 51.141                                   | 1.809                               | 52.900                                 | 2.65%          | -3.33%           |
|                                    |             |                                     | 2310                     | 1.869                                 | 51.113                                   | 1.816                               | 52.887                                 | 2.92%          | -3.35%           |
|                                    |             |                                     | 2320                     | 1.881                                 | 51.086                                   | 1.826                               | 52.873                                 | 3.01%          | -3.38%           |
|                                    |             |                                     | 2400                     | 1.975                                 | 50.868                                   | 1.902                               | 52.767                                 | 3.84%          | -3.60%           |
|                                    |             |                                     | 2450                     | 2.035                                 | 50.719                                   | 1.950                               | 52.700                                 | 4.36%          | -3.76%           |
|                                    |             |                                     | 2480                     | 2.070                                 | 50.631                                   | 1.993                               | 52.662                                 | 3.86%          | -3.86%           |
|                                    |             |                                     | 2500                     | 2.093                                 | 50.572                                   | 2.021                               | 52.636                                 | 3.56%          | -3.92%           |
|                                    |             |                                     | 2510                     | 2.104                                 | 50.541                                   | 2.035                               | 52.623                                 | 3.39%          | -3.96%           |
|                                    |             |                                     | 2535                     | 2.134                                 | 50.466                                   | 2.071                               | 52.592                                 | 3.04%          | -4.04%           |
|                                    |             |                                     | 2550                     | 2.151                                 | 50.424                                   | 2.092                               | 52.573                                 | 2.82%          | -4.09%           |
|                                    |             |                                     | 2560                     | 2.163                                 | 50.394                                   | 2.106                               | 52.560                                 | 2.71%          | -4.12%           |
|                                    |             |                                     | 2600                     | 2.210                                 | 50.274                                   | 2.163                               | 52.509                                 | 2.17%          | -4.26%           |
|                                    |             |                                     | 2650                     | 2.266                                 | 50.128                                   | 2.234                               | 52.445                                 | 1.43%          | -4.42%           |
|                                    |             |                                     | 2680                     | 2.300                                 | 50.039                                   | 2.277                               | 52.407                                 | 1.01%          | -4.52%           |
|                                    |             |                                     | 2700                     | 2.322                                 | 49.979                                   | 2.305                               | 52.382                                 | 0.74%          | -4.59%           |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 10-7**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 04/15/2021                         | 2450 Body   | 23.0                                | 2300                     | 1.796                                 | 52.399                                   | 1.809                               | 52.900                                 | -0.72%         | -0.95%           |
|                                    |             |                                     | 2310                     | 1.811                                 | 52.391                                   | 1.816                               | 52.887                                 | -0.28%         | -0.94%           |
|                                    |             |                                     | 2320                     | 1.825                                 | 52.376                                   | 1.826                               | 52.873                                 | -0.05%         | -0.94%           |
|                                    |             |                                     | 2400                     | 1.925                                 | 52.018                                   | 1.902                               | 52.767                                 | 1.21%          | -1.42%           |
|                                    |             |                                     | 2450                     | 1.992                                 | 51.917                                   | 1.950                               | 52.700                                 | 2.15%          | -1.49%           |
|                                    |             |                                     | 2480                     | 2.025                                 | 51.740                                   | 1.993                               | 52.662                                 | 1.61%          | -1.75%           |
|                                    |             |                                     | 2500                     | 2.057                                 | 51.655                                   | 2.021                               | 52.636                                 | 1.78%          | -1.86%           |
|                                    |             |                                     | 2510                     | 2.074                                 | 51.636                                   | 2.035                               | 52.623                                 | 1.92%          | -1.88%           |
|                                    |             |                                     | 2535                     | 2.115                                 | 51.607                                   | 2.071                               | 52.592                                 | 2.12%          | -1.87%           |
|                                    |             |                                     | 2550                     | 2.134                                 | 51.568                                   | 2.092                               | 52.573                                 | 2.01%          | -1.91%           |
|                                    |             |                                     | 2560                     | 2.145                                 | 51.522                                   | 2.106                               | 52.560                                 | 1.85%          | -1.97%           |
|                                    |             |                                     | 2600                     | 2.195                                 | 51.286                                   | 2.163                               | 52.509                                 | 1.48%          | -2.33%           |
|                                    |             |                                     | 2650                     | 2.277                                 | 51.166                                   | 2.234                               | 52.445                                 | 1.92%          | -2.44%           |
|                                    |             |                                     | 2680                     | 2.309                                 | 51.044                                   | 2.277                               | 52.407                                 | 1.41%          | -2.60%           |
|                                    |             |                                     | 2700                     | 2.333                                 | 50.920                                   | 2.305                               | 52.382                                 | 1.21%          | -2.79%           |
| 04/18/2021                         | 2450 Body   | 22.1                                | 2300                     | 1.870                                 | 52.860                                   | 1.809                               | 52.900                                 | 3.37%          | -0.08%           |
|                                    |             |                                     | 2310                     | 1.882                                 | 52.833                                   | 1.816                               | 52.887                                 | 3.63%          | -0.10%           |
|                                    |             |                                     | 2320                     | 1.894                                 | 52.805                                   | 1.826                               | 52.873                                 | 3.72%          | -0.13%           |
|                                    |             |                                     | 2400                     | 1.987                                 | 52.590                                   | 1.902                               | 52.767                                 | 4.47%          | -0.34%           |
|                                    |             |                                     | 2450                     | 2.047                                 | 52.449                                   | 1.950                               | 52.700                                 | 4.97%          | -0.48%           |
|                                    |             |                                     | 2480                     | 2.082                                 | 52.364                                   | 1.993                               | 52.662                                 | 4.47%          | -0.57%           |
|                                    |             |                                     | 2500                     | 2.106                                 | 52.300                                   | 2.021                               | 52.636                                 | 4.21%          | -0.64%           |
|                                    |             |                                     | 2510                     | 2.118                                 | 52.266                                   | 2.035                               | 52.623                                 | 4.08%          | -0.68%           |
|                                    |             |                                     | 2535                     | 2.148                                 | 52.184                                   | 2.071                               | 52.592                                 | 3.72%          | -0.78%           |
|                                    |             |                                     | 2550                     | 2.167                                 | 52.139                                   | 2.092                               | 52.573                                 | 3.59%          | -0.83%           |
|                                    |             |                                     | 2560                     | 2.179                                 | 52.112                                   | 2.106                               | 52.560                                 | 3.47%          | -0.85%           |
|                                    |             |                                     | 2600                     | 2.225                                 | 51.999                                   | 2.163                               | 52.509                                 | 2.87%          | -0.97%           |
|                                    |             |                                     | 2650                     | 2.284                                 | 51.840                                   | 2.234                               | 52.445                                 | 2.24%          | -1.15%           |
|                                    |             |                                     | 2680                     | 2.320                                 | 51.751                                   | 2.277                               | 52.407                                 | 1.89%          | -1.25%           |
|                                    |             |                                     | 2700                     | 2.344                                 | 51.694                                   | 2.305                               | 52.382                                 | 1.69%          | -1.31%           |
| 04/18/2021                         | 2450 Body   | 23.5                                | 2300                     | 1.806                                 | 52.912                                   | 1.809                               | 52.900                                 | -0.17%         | 0.02%            |
|                                    |             |                                     | 2310                     | 1.820                                 | 52.877                                   | 1.816                               | 52.887                                 | 0.22%          | -0.02%           |
|                                    |             |                                     | 2320                     | 1.833                                 | 52.840                                   | 1.826                               | 52.873                                 | 0.38%          | -0.06%           |
|                                    |             |                                     | 2400                     | 1.940                                 | 52.531                                   | 1.902                               | 52.767                                 | 2.00%          | -0.45%           |
|                                    |             |                                     | 2450                     | 2.008                                 | 52.343                                   | 1.950                               | 52.700                                 | 2.97%          | -0.68%           |
|                                    |             |                                     | 2480                     | 2.048                                 | 52.224                                   | 1.993                               | 52.662                                 | 2.76%          | -0.83%           |
|                                    |             |                                     | 2500                     | 2.075                                 | 52.152                                   | 2.021                               | 52.636                                 | 2.67%          | -0.92%           |
|                                    |             |                                     | 2510                     | 2.089                                 | 52.117                                   | 2.035                               | 52.623                                 | 2.65%          | -0.96%           |
|                                    |             |                                     | 2535                     | 2.125                                 | 52.024                                   | 2.071                               | 52.592                                 | 2.61%          | -1.08%           |
|                                    |             |                                     | 2550                     | 2.146                                 | 51.970                                   | 2.092                               | 52.573                                 | 2.58%          | -1.15%           |
|                                    |             |                                     | 2560                     | 2.160                                 | 51.933                                   | 2.106                               | 52.560                                 | 2.56%          | -1.19%           |
|                                    |             |                                     | 2600                     | 2.215                                 | 51.788                                   | 2.163                               | 52.509                                 | 2.40%          | -1.37%           |
|                                    |             |                                     | 2650                     | 2.287                                 | 51.588                                   | 2.234                               | 52.445                                 | 2.37%          | -1.63%           |
|                                    |             |                                     | 2680                     | 2.330                                 | 51.486                                   | 2.277                               | 52.407                                 | 2.33%          | -1.76%           |
|                                    |             |                                     | 2700                     | 2.356                                 | 51.416                                   | 2.305                               | 52.382                                 | 2.21%          | -1.84%           |
| 04/26/2021                         | 2450 Body   | 23.8                                | 2300                     | 1.784                                 | 53.253                                   | 1.809                               | 52.900                                 | -1.38%         | 0.67%            |
|                                    |             |                                     | 2310                     | 1.797                                 | 53.216                                   | 1.816                               | 52.887                                 | -1.05%         | 0.62%            |
|                                    |             |                                     | 2320                     | 1.810                                 | 53.177                                   | 1.826                               | 52.873                                 | -0.88%         | 0.57%            |
|                                    |             |                                     | 2400                     | 1.917                                 | 52.910                                   | 1.902                               | 52.767                                 | 0.79%          | 0.27%            |
|                                    |             |                                     | 2450                     | 1.985                                 | 52.709                                   | 1.950                               | 52.700                                 | 1.79%          | 0.02%            |
|                                    |             |                                     | 2480                     | 2.028                                 | 52.615                                   | 1.993                               | 52.662                                 | 1.76%          | -0.09%           |
|                                    |             |                                     | 2500                     | 2.054                                 | 52.548                                   | 2.021                               | 52.636                                 | 1.63%          | -0.17%           |
|                                    |             |                                     | 2510                     | 2.067                                 | 52.509                                   | 2.035                               | 52.623                                 | 1.57%          | -0.22%           |
|                                    |             |                                     | 2535                     | 2.100                                 | 52.395                                   | 2.071                               | 52.592                                 | 1.40%          | -0.37%           |
|                                    |             |                                     | 2550                     | 2.123                                 | 52.334                                   | 2.092                               | 52.573                                 | 1.48%          | -0.45%           |
|                                    |             |                                     | 2560                     | 2.138                                 | 52.294                                   | 2.106                               | 52.560                                 | 1.52%          | -0.51%           |
|                                    |             |                                     | 2600                     | 2.192                                 | 52.172                                   | 2.163                               | 52.509                                 | 1.34%          | -0.64%           |
|                                    |             |                                     | 2650                     | 2.259                                 | 51.947                                   | 2.234                               | 52.445                                 | 1.12%          | -0.95%           |
|                                    |             |                                     | 2680                     | 2.305                                 | 51.846                                   | 2.277                               | 52.407                                 | 1.23%          | -1.07%           |
|                                    |             |                                     | 2700                     | 2.332                                 | 51.796                                   | 2.305                               | 52.382                                 | 1.17%          | -1.12%           |
| 05/06/2021                         | 2450 Body   | 24.4                                | 2300                     | 1.861                                 | 51.694                                   | 1.809                               | 52.900                                 | 2.87%          | -2.28%           |
|                                    |             |                                     | 2310                     | 1.872                                 | 51.658                                   | 1.816                               | 52.887                                 | 3.08%          | -2.32%           |
|                                    |             |                                     | 2320                     | 1.884                                 | 51.628                                   | 1.826                               | 52.873                                 | 3.18%          | -2.35%           |
|                                    |             |                                     | 2400                     | 1.976                                 | 51.410                                   | 1.902                               | 52.767                                 | 3.89%          | -2.57%           |
|                                    |             |                                     | 2450                     | 2.034                                 | 51.253                                   | 1.950                               | 52.700                                 | 4.31%          | -2.75%           |
|                                    |             |                                     | 2480                     | 2.071                                 | 51.180                                   | 1.993                               | 52.662                                 | 3.91%          | -2.81%           |
|                                    |             |                                     | 2500                     | 2.094                                 | 51.129                                   | 2.021                               | 52.636                                 | 3.61%          | -2.86%           |
|                                    |             |                                     | 2510                     | 2.105                                 | 51.097                                   | 2.035                               | 52.623                                 | 3.44%          | -2.90%           |
|                                    |             |                                     | 2535                     | 2.134                                 | 51.016                                   | 2.071                               | 52.592                                 | 3.04%          | -3.00%           |
|                                    |             |                                     | 2550                     | 2.153                                 | 50.971                                   | 2.092                               | 52.573                                 | 2.92%          | -3.05%           |
|                                    |             |                                     | 2560                     | 2.166                                 | 50.943                                   | 2.106                               | 52.560                                 | 2.85%          | -3.08%           |
|                                    |             |                                     | 2600                     | 2.214                                 | 50.846                                   | 2.163                               | 52.509                                 | 2.36%          | -3.17%           |
|                                    |             |                                     | 2650                     | 2.272                                 | 50.701                                   | 2.234                               | 52.445                                 | 1.70%          | -3.33%           |
|                                    |             |                                     | 2680                     | 2.310                                 | 50.611                                   | 2.277                               | 52.407                                 | 1.45%          | -3.43%           |
|                                    |             |                                     | 2700                     | 2.335                                 | 50.557                                   | 2.305                               | 52.382                                 | 1.30%          | -3.48%           |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 153 of 337                 |

**Table 10-8**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 05/09/2021                         | 2450 Body   | 21.4                                | 2320                     | 1.888                                 | 51.210                                   | 1.826                               | 52.873                                 | 3.40%          | -3.15%           |
|                                    |             |                                     | 2400                     | 1.979                                 | 50.987                                   | 1.902                               | 52.767                                 | 4.05%          | -3.37%           |
|                                    |             |                                     | 2450                     | 2.038                                 | 50.844                                   | 1.950                               | 52.700                                 | 4.51%          | -3.52%           |
|                                    |             |                                     | 2480                     | 2.072                                 | 50.758                                   | 1.993                               | 52.662                                 | 3.96%          | -3.62%           |
|                                    |             |                                     | 2500                     | 2.095                                 | 50.698                                   | 2.021                               | 52.636                                 | 3.66%          | -3.68%           |
|                                    |             |                                     | 2510                     | 2.107                                 | 50.667                                   | 2.035                               | 52.623                                 | 3.54%          | -3.72%           |
|                                    |             |                                     | 2535                     | 2.137                                 | 50.591                                   | 2.071                               | 52.592                                 | 3.19%          | -3.80%           |
|                                    |             |                                     | 2550                     | 2.155                                 | 50.551                                   | 2.092                               | 52.573                                 | 3.01%          | -3.85%           |
|                                    |             |                                     | 2560                     | 2.167                                 | 50.524                                   | 2.106                               | 52.560                                 | 2.90%          | -3.87%           |
|                                    |             |                                     | 2600                     | 2.215                                 | 50.410                                   | 2.163                               | 52.509                                 | 2.40%          | -4.00%           |
|                                    |             |                                     | 2650                     | 2.275                                 | 50.259                                   | 2.234                               | 52.445                                 | 1.84%          | -4.17%           |
|                                    |             |                                     | 2680                     | 2.311                                 | 50.174                                   | 2.277                               | 52.407                                 | 1.49%          | -4.26%           |
| 05/19/2021                         | 2450 Body   | 24.9                                | 2700                     | 2.334                                 | 50.111                                   | 2.305                               | 52.382                                 | 1.26%          | -4.34%           |
|                                    |             |                                     | 2300                     | 1.823                                 | 51.633                                   | 1.809                               | 52.900                                 | 0.77%          | -2.40%           |
|                                    |             |                                     | 2310                     | 1.834                                 | 51.606                                   | 1.816                               | 52.887                                 | 0.99%          | -2.42%           |
|                                    |             |                                     | 2320                     | 1.845                                 | 51.581                                   | 1.826                               | 52.873                                 | 1.04%          | -2.44%           |
|                                    |             |                                     | 2400                     | 1.931                                 | 51.379                                   | 1.902                               | 52.767                                 | 1.52%          | -2.63%           |
|                                    |             |                                     | 2450                     | 1.988                                 | 51.253                                   | 1.950                               | 52.700                                 | 1.95%          | -2.75%           |
|                                    |             |                                     | 2480                     | 2.022                                 | 51.182                                   | 1.993                               | 52.662                                 | 1.46%          | -2.81%           |
|                                    |             |                                     | 2500                     | 2.044                                 | 51.129                                   | 2.021                               | 52.636                                 | 1.14%          | -2.86%           |
|                                    |             |                                     | 2510                     | 2.055                                 | 51.099                                   | 2.035                               | 52.623                                 | 0.98%          | -2.90%           |
|                                    |             |                                     | 2535                     | 2.084                                 | 51.024                                   | 2.071                               | 52.592                                 | 0.63%          | -2.98%           |
|                                    |             |                                     | 2550                     | 2.102                                 | 50.983                                   | 2.092                               | 52.573                                 | 0.48%          | -3.02%           |
|                                    |             |                                     | 2560                     | 2.114                                 | 50.957                                   | 2.106                               | 52.560                                 | 0.38%          | -3.05%           |
| 05/20/2021                         | 2450 Body   | 23.5                                | 2600                     | 2.160                                 | 50.857                                   | 2.163                               | 52.509                                 | -0.14%         | -3.15%           |
|                                    |             |                                     | 2650                     | 2.218                                 | 50.707                                   | 2.234                               | 52.445                                 | -0.72%         | -3.31%           |
|                                    |             |                                     | 2680                     | 2.255                                 | 50.623                                   | 2.277                               | 52.407                                 | -0.97%         | -3.40%           |
|                                    |             |                                     | 2700                     | 2.277                                 | 50.574                                   | 2.305                               | 52.382                                 | -1.21%         | -3.45%           |
|                                    |             |                                     | 2300                     | 1.792                                 | 53.673                                   | 1.809                               | 52.900                                 | -0.94%         | 1.46%            |
|                                    |             |                                     | 2310                     | 1.804                                 | 53.627                                   | 1.816                               | 52.887                                 | -0.66%         | 1.40%            |
|                                    |             |                                     | 2320                     | 1.818                                 | 53.580                                   | 1.826                               | 52.873                                 | -0.44%         | 1.34%            |
|                                    |             |                                     | 2400                     | 1.938                                 | 53.305                                   | 1.902                               | 52.767                                 | 1.89%          | 1.02%            |
|                                    |             |                                     | 2450                     | 2.001                                 | 53.082                                   | 1.950                               | 52.700                                 | 2.62%          | 0.72%            |
|                                    |             |                                     | 2480                     | 2.047                                 | 52.964                                   | 1.993                               | 52.662                                 | 2.71%          | 0.57%            |
|                                    |             |                                     | 2500                     | 2.075                                 | 52.901                                   | 2.021                               | 52.636                                 | 2.67%          | 0.50%            |
|                                    |             |                                     | 2510                     | 2.088                                 | 52.870                                   | 2.035                               | 52.623                                 | 2.60%          | 0.47%            |
| 05/22/2021                         | 2450 Body   | 24.9                                | 2535                     | 2.118                                 | 52.775                                   | 2.071                               | 52.592                                 | 2.27%          | 0.35%            |
|                                    |             |                                     | 2550                     | 2.137                                 | 52.712                                   | 2.092                               | 52.573                                 | 2.15%          | 0.26%            |
|                                    |             |                                     | 2560                     | 2.151                                 | 52.668                                   | 2.106                               | 52.560                                 | 2.14%          | 0.21%            |
|                                    |             |                                     | 2600                     | 2.212                                 | 52.519                                   | 2.163                               | 52.509                                 | 2.27%          | 0.02%            |
|                                    |             |                                     | 2650                     | 2.276                                 | 52.372                                   | 2.234                               | 52.445                                 | 1.88%          | -0.14%           |
|                                    |             |                                     | 2680                     | 2.319                                 | 52.233                                   | 2.277                               | 52.407                                 | 1.84%          | -0.33%           |
|                                    |             |                                     | 2700                     | 2.351                                 | 52.145                                   | 2.305                               | 52.382                                 | 2.00%          | -0.45%           |
|                                    |             |                                     | 2300                     | 1.807                                 | 51.044                                   | 1.809                               | 52.900                                 | -0.11%         | -3.51%           |
|                                    |             |                                     | 2310                     | 1.818                                 | 51.020                                   | 1.816                               | 52.887                                 | 0.11%          | -3.53%           |
|                                    |             |                                     | 2320                     | 1.828                                 | 50.996                                   | 1.826                               | 52.873                                 | 0.11%          | -3.55%           |
|                                    |             |                                     | 2400                     | 1.913                                 | 50.798                                   | 1.902                               | 52.767                                 | 0.58%          | -3.73%           |
|                                    |             |                                     | 2450                     | 1.967                                 | 50.665                                   | 1.950                               | 52.700                                 | 0.87%          | -3.86%           |
| 05/22/2021                         | 2450 Body   | 24.9                                | 2480                     | 2.000                                 | 50.578                                   | 1.993                               | 52.662                                 | 0.35%          | -3.96%           |
|                                    |             |                                     | 2500                     | 2.022                                 | 50.530                                   | 2.021                               | 52.636                                 | 0.05%          | -4.00%           |
|                                    |             |                                     | 2510                     | 2.032                                 | 50.506                                   | 2.035                               | 52.623                                 | -0.15%         | -4.02%           |
|                                    |             |                                     | 2535                     | 2.059                                 | 50.444                                   | 2.071                               | 52.592                                 | -0.58%         | -4.08%           |
|                                    |             |                                     | 2550                     | 2.076                                 | 50.401                                   | 2.092                               | 52.573                                 | -0.76%         | -4.13%           |
|                                    |             |                                     | 2560                     | 2.088                                 | 50.371                                   | 2.106                               | 52.560                                 | -0.85%         | -4.16%           |
|                                    |             |                                     | 2600                     | 2.132                                 | 50.270                                   | 2.163                               | 52.509                                 | -1.43%         | -4.26%           |
|                                    |             |                                     | 2650                     | 2.188                                 | 50.133                                   | 2.234                               | 52.445                                 | -2.06%         | -4.41%           |
|                                    |             |                                     | 2680                     | 2.224                                 | 50.048                                   | 2.277                               | 52.407                                 | -2.33%         | -4.50%           |
|                                    |             |                                     | 2700                     | 2.245                                 | 50.003                                   | 2.305                               | 52.382                                 | -2.60%         | -4.54%           |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 10-9**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 05/25/2021                         | 2450 Body   | 25.0                                | 2300                     | 1.849                                 | 51.467                                   | 1.809                               | 52.900                                 | 2.21%          | -2.71%           |
|                                    |             |                                     | 2310                     | 1.861                                 | 51.438                                   | 1.816                               | 52.887                                 | 2.48%          | -2.74%           |
|                                    |             |                                     | 2320                     | 1.872                                 | 51.411                                   | 1.826                               | 52.873                                 | 2.52%          | -2.77%           |
|                                    |             |                                     | 2400                     | 1.958                                 | 51.183                                   | 1.902                               | 52.767                                 | 2.94%          | -3.00%           |
|                                    |             |                                     | 2450                     | 2.014                                 | 51.031                                   | 1.950                               | 52.700                                 | 3.28%          | -3.17%           |
|                                    |             |                                     | 2480                     | 2.046                                 | 50.954                                   | 1.993                               | 52.662                                 | 2.66%          | -3.24%           |
|                                    |             |                                     | 2500                     | 2.067                                 | 50.901                                   | 2.021                               | 52.636                                 | 2.28%          | -3.30%           |
|                                    |             |                                     | 2510                     | 2.078                                 | 50.872                                   | 2.035                               | 52.623                                 | 2.11%          | -3.33%           |
|                                    |             |                                     | 2535                     | 2.106                                 | 50.799                                   | 2.071                               | 52.592                                 | 1.69%          | -3.41%           |
|                                    |             |                                     | 2550                     | 2.124                                 | 50.753                                   | 2.092                               | 52.573                                 | 1.53%          | -3.46%           |
|                                    |             |                                     | 2560                     | 2.136                                 | 50.725                                   | 2.106                               | 52.560                                 | 1.42%          | -3.49%           |
|                                    |             |                                     | 2600                     | 2.181                                 | 50.616                                   | 2.163                               | 52.509                                 | 0.83%          | -3.61%           |
|                                    |             |                                     | 2650                     | 2.237                                 | 50.472                                   | 2.234                               | 52.445                                 | 0.13%          | -3.76%           |
|                                    |             |                                     | 2680                     | 2.273                                 | 50.391                                   | 2.277                               | 52.407                                 | -0.18%         | -3.85%           |
|                                    |             |                                     | 2700                     | 2.295                                 | 50.341                                   | 2.305                               | 52.382                                 | -0.43%         | -3.90%           |
| 05/26/2021                         | 2450 Body   | 23.6                                | 2300                     | 1.764                                 | 53.123                                   | 1.809                               | 52.900                                 | -2.49%         | 0.42%            |
|                                    |             |                                     | 2310                     | 1.777                                 | 53.090                                   | 1.816                               | 52.887                                 | -2.15%         | 0.38%            |
|                                    |             |                                     | 2320                     | 1.791                                 | 53.056                                   | 1.826                               | 52.873                                 | -1.92%         | 0.35%            |
|                                    |             |                                     | 2400                     | 1.897                                 | 52.788                                   | 1.902                               | 52.767                                 | -0.26%         | 0.04%            |
|                                    |             |                                     | 2450                     | 1.963                                 | 52.639                                   | 1.950                               | 52.700                                 | 0.67%          | -0.12%           |
|                                    |             |                                     | 2480                     | 2.002                                 | 52.536                                   | 1.993                               | 52.662                                 | 0.45%          | -0.24%           |
|                                    |             |                                     | 2500                     | 2.030                                 | 52.466                                   | 2.021                               | 52.636                                 | 0.45%          | -0.32%           |
|                                    |             |                                     | 2510                     | 2.044                                 | 52.430                                   | 2.035                               | 52.623                                 | 0.44%          | -0.37%           |
|                                    |             |                                     | 2535                     | 2.081                                 | 52.344                                   | 2.071                               | 52.592                                 | 0.48%          | -0.47%           |
|                                    |             |                                     | 2550                     | 2.102                                 | 52.294                                   | 2.092                               | 52.573                                 | 0.48%          | -0.53%           |
|                                    |             |                                     | 2560                     | 2.115                                 | 52.259                                   | 2.106                               | 52.560                                 | 0.43%          | -0.57%           |
|                                    |             |                                     | 2600                     | 2.169                                 | 52.106                                   | 2.163                               | 52.509                                 | 0.28%          | -0.77%           |
|                                    |             |                                     | 2650                     | 2.240                                 | 51.921                                   | 2.234                               | 52.445                                 | 0.27%          | -1.00%           |
|                                    |             |                                     | 2680                     | 2.281                                 | 51.807                                   | 2.277                               | 52.407                                 | 0.18%          | -1.14%           |
|                                    |             |                                     | 2700                     | 2.308                                 | 51.728                                   | 2.305                               | 52.382                                 | 0.13%          | -1.25%           |
| 06/02/2021                         | 2450 Body   | 21.9                                | 2300                     | 1.876                                 | 51.735                                   | 1.809                               | 52.900                                 | 3.70%          | -2.20%           |
|                                    |             |                                     | 2310                     | 1.887                                 | 51.702                                   | 1.816                               | 52.887                                 | 3.91%          | -2.24%           |
|                                    |             |                                     | 2320                     | 1.899                                 | 51.673                                   | 1.826                               | 52.873                                 | 4.00%          | -2.27%           |
|                                    |             |                                     | 2400                     | 1.989                                 | 51.451                                   | 1.902                               | 52.767                                 | 4.57%          | -2.49%           |
|                                    |             |                                     | 2450                     | 2.047                                 | 51.325                                   | 1.950                               | 52.700                                 | 4.97%          | -2.61%           |
|                                    |             |                                     | 2480                     | 2.082                                 | 51.245                                   | 1.993                               | 52.662                                 | 4.47%          | -2.69%           |
|                                    |             |                                     | 2500                     | 2.106                                 | 51.191                                   | 2.021                               | 52.636                                 | 4.21%          | -2.75%           |
|                                    |             |                                     | 2510                     | 2.117                                 | 51.164                                   | 2.035                               | 52.623                                 | 4.03%          | -2.77%           |
|                                    |             |                                     | 2535                     | 2.148                                 | 51.100                                   | 2.071                               | 52.592                                 | 3.72%          | -2.84%           |
|                                    |             |                                     | 2550                     | 2.167                                 | 51.063                                   | 2.092                               | 52.573                                 | 3.59%          | -2.87%           |
|                                    |             |                                     | 2560                     | 2.180                                 | 51.036                                   | 2.106                               | 52.560                                 | 3.51%          | -2.90%           |
|                                    |             |                                     | 2600                     | 2.229                                 | 50.923                                   | 2.163                               | 52.509                                 | 3.05%          | -3.02%           |
|                                    |             |                                     | 2650                     | 2.290                                 | 50.779                                   | 2.234                               | 52.445                                 | 2.51%          | -3.18%           |
|                                    |             |                                     | 2680                     | 2.326                                 | 50.693                                   | 2.277                               | 52.407                                 | 2.15%          | -3.27%           |
|                                    |             |                                     | 2700                     | 2.350                                 | 50.632                                   | 2.305                               | 52.382                                 | 1.95%          | -3.34%           |
| 05/03/2021                         | 3600 Body   | 18.0                                | 3300                     | 3.013                                 | 49.693                                   | 3.080                               | 51.593                                 | -2.18%         | -3.68%           |
|                                    |             |                                     | 3350                     | 3.078                                 | 49.632                                   | 3.139                               | 51.525                                 | -1.94%         | -3.67%           |
|                                    |             |                                     | 3450                     | 3.195                                 | 49.438                                   | 3.256                               | 51.389                                 | -1.87%         | -3.80%           |
|                                    |             |                                     | 3500                     | 3.251                                 | 49.352                                   | 3.314                               | 51.321                                 | -1.90%         | -3.84%           |
|                                    |             |                                     | 3550                     | 3.313                                 | 49.240                                   | 3.372                               | 51.254                                 | -1.75%         | -3.93%           |
|                                    |             |                                     | 3560                     | 3.327                                 | 49.224                                   | 3.384                               | 51.240                                 | -1.68%         | -3.93%           |
|                                    |             |                                     | 3600                     | 3.373                                 | 49.164                                   | 3.431                               | 51.186                                 | -1.69%         | -3.95%           |
|                                    |             |                                     | 3650                     | 3.430                                 | 49.054                                   | 3.489                               | 51.118                                 | -1.69%         | -4.04%           |
|                                    |             |                                     | 3690                     | 3.481                                 | 48.988                                   | 3.536                               | 51.063                                 | -1.56%         | -4.06%           |
|                                    |             |                                     | 3700                     | 3.493                                 | 48.969                                   | 3.548                               | 51.050                                 | -1.55%         | -4.08%           |
|                                    |             |                                     | 3750                     | 3.553                                 | 48.855                                   | 3.606                               | 50.982                                 | -1.47%         | -4.17%           |
|                                    |             |                                     | 3900                     | 3.741                                 | 48.520                                   | 3.781                               | 50.779                                 | -1.06%         | -4.45%           |
|                                    |             |                                     | 3930                     | 3.783                                 | 48.471                                   | 3.816                               | 50.738                                 | -0.86%         | -4.47%           |
|                                    |             |                                     | 4100                     | 4.013                                 | 48.119                                   | 4.015                               | 50.507                                 | -0.05%         | -4.73%           |
|                                    |             |                                     | 4150                     | 4.082                                 | 47.997                                   | 4.073                               | 50.439                                 | 0.22%          | -4.84%           |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 155 of 337                 |

**Table 10-10**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 05/15/2021                         | 3600 Body   | 23.8                                | 3300                     | 3.109                                 | 50.671                                   | 3.080                               | 51.593                                 | 0.94%          | -1.79%           |
|                                    |             |                                     | 3350                     | 3.161                                 | 50.602                                   | 3.139                               | 51.525                                 | 0.70%          | -1.79%           |
|                                    |             |                                     | 3450                     | 3.260                                 | 50.454                                   | 3.256                               | 51.389                                 | 0.12%          | -1.82%           |
|                                    |             |                                     | 3500                     | 3.305                                 | 50.405                                   | 3.314                               | 51.321                                 | -0.27%         | -1.78%           |
|                                    |             |                                     | 3550                     | 3.357                                 | 50.345                                   | 3.372                               | 51.254                                 | -0.44%         | -1.77%           |
|                                    |             |                                     | 3560                     | 3.367                                 | 50.331                                   | 3.384                               | 51.240                                 | -0.50%         | -1.77%           |
|                                    |             |                                     | 3600                     | 3.406                                 | 50.282                                   | 3.431                               | 51.186                                 | -0.73%         | -1.77%           |
|                                    |             |                                     | 3650                     | 3.456                                 | 50.216                                   | 3.489                               | 51.118                                 | -0.95%         | -1.76%           |
|                                    |             |                                     | 3690                     | 3.498                                 | 50.171                                   | 3.536                               | 51.063                                 | -1.07%         | -1.75%           |
|                                    |             |                                     | 3700                     | 3.509                                 | 50.159                                   | 3.548                               | 51.050                                 | -1.10%         | -1.75%           |
|                                    |             |                                     | 3750                     | 3.559                                 | 50.093                                   | 3.606                               | 50.982                                 | -1.30%         | -1.74%           |
|                                    |             |                                     | 3900                     | 3.724                                 | 49.877                                   | 3.781                               | 50.779                                 | -1.51%         | -1.78%           |
|                                    |             |                                     | 3930                     | 3.762                                 | 49.860                                   | 3.816                               | 50.738                                 | -1.42%         | -1.73%           |
|                                    |             |                                     | 4100                     | 3.960                                 | 49.603                                   | 4.015                               | 50.507                                 | -1.37%         | -1.79%           |
|                                    |             |                                     | 4150                     | 4.019                                 | 49.532                                   | 4.073                               | 50.439                                 | -1.33%         | -1.80%           |
| 05/21/2021                         | 3600 Body   | 23.0                                | 3300                     | 3.143                                 | 49.842                                   | 3.080                               | 51.593                                 | 2.05%          | -3.39%           |
|                                    |             |                                     | 3350                     | 3.198                                 | 49.783                                   | 3.139                               | 51.525                                 | 1.88%          | -3.38%           |
|                                    |             |                                     | 3450                     | 3.304                                 | 49.652                                   | 3.256                               | 51.389                                 | 1.47%          | -3.38%           |
|                                    |             |                                     | 3500                     | 3.354                                 | 49.610                                   | 3.314                               | 51.321                                 | 1.21%          | -3.33%           |
|                                    |             |                                     | 3550                     | 3.408                                 | 49.557                                   | 3.372                               | 51.254                                 | 1.07%          | -3.31%           |
|                                    |             |                                     | 3560                     | 3.418                                 | 49.548                                   | 3.384                               | 51.240                                 | 1.00%          | -3.30%           |
|                                    |             |                                     | 3600                     | 3.459                                 | 49.506                                   | 3.431                               | 51.186                                 | 0.82%          | -3.28%           |
|                                    |             |                                     | 3650                     | 3.508                                 | 49.443                                   | 3.489                               | 51.118                                 | 0.54%          | -3.28%           |
|                                    |             |                                     | 3690                     | 3.549                                 | 49.390                                   | 3.536                               | 51.063                                 | 0.37%          | -3.28%           |
|                                    |             |                                     | 3700                     | 3.559                                 | 49.372                                   | 3.548                               | 51.050                                 | 0.31%          | -3.29%           |
|                                    |             |                                     | 3750                     | 3.608                                 | 49.316                                   | 3.606                               | 50.982                                 | 0.06%          | -3.27%           |
|                                    |             |                                     | 3900                     | 3.757                                 | 49.058                                   | 3.781                               | 50.779                                 | -0.63%         | -3.39%           |
|                                    |             |                                     | 3930                     | 3.786                                 | 49.022                                   | 3.816                               | 50.738                                 | -0.79%         | -3.38%           |
|                                    |             |                                     | 4100                     | 3.959                                 | 48.735                                   | 4.015                               | 50.507                                 | -1.39%         | -3.51%           |
|                                    |             |                                     | 4150                     | 4.016                                 | 48.666                                   | 4.073                               | 50.439                                 | -1.40%         | -3.52%           |
| 05/24/2021                         | 3600 Body   | 23.5                                | 3300                     | 3.155                                 | 49.224                                   | 3.080                               | 51.593                                 | 2.44%          | -4.59%           |
|                                    |             |                                     | 3350                     | 3.205                                 | 49.151                                   | 3.139                               | 51.525                                 | 2.10%          | -4.61%           |
|                                    |             |                                     | 3450                     | 3.303                                 | 49.007                                   | 3.256                               | 51.389                                 | 1.44%          | -4.64%           |
|                                    |             |                                     | 3500                     | 3.349                                 | 48.958                                   | 3.314                               | 51.321                                 | 1.06%          | -4.60%           |
|                                    |             |                                     | 3550                     | 3.400                                 | 48.899                                   | 3.372                               | 51.254                                 | 0.83%          | -4.59%           |
|                                    |             |                                     | 3560                     | 3.410                                 | 48.887                                   | 3.384                               | 51.240                                 | 0.77%          | -4.59%           |
|                                    |             |                                     | 3600                     | 3.449                                 | 48.828                                   | 3.431                               | 51.186                                 | 0.52%          | -4.61%           |
|                                    |             |                                     | 3650                     | 3.500                                 | 48.756                                   | 3.489                               | 51.118                                 | 0.32%          | -4.62%           |
|                                    |             |                                     | 3690                     | 3.538                                 | 48.694                                   | 3.536                               | 51.063                                 | 0.06%          | -4.64%           |
|                                    |             |                                     | 3700                     | 3.549                                 | 48.680                                   | 3.548                               | 51.050                                 | 0.03%          | -4.64%           |
|                                    |             |                                     | 3750                     | 3.602                                 | 48.609                                   | 3.606                               | 50.982                                 | -0.11%         | -4.65%           |
|                                    |             |                                     | 3900                     | 3.765                                 | 48.368                                   | 3.781                               | 50.779                                 | -0.42%         | -4.75%           |
|                                    |             |                                     | 3930                     | 3.800                                 | 48.333                                   | 3.816                               | 50.738                                 | -0.42%         | -4.74%           |
|                                    |             |                                     | 4100                     | 3.994                                 | 48.079                                   | 4.015                               | 50.507                                 | -0.52%         | -4.81%           |
|                                    |             |                                     | 4150                     | 4.054                                 | 48.019                                   | 4.073                               | 50.439                                 | -0.47%         | -4.80%           |
| 05/28/2021                         | 3600 Body   | 18.5                                | 3300                     | 3.023                                 | 51.224                                   | 3.080                               | 51.593                                 | -1.85%         | -0.72%           |
|                                    |             |                                     | 3350                     | 3.080                                 | 51.123                                   | 3.139                               | 51.525                                 | -1.88%         | -0.78%           |
|                                    |             |                                     | 3450                     | 3.195                                 | 50.922                                   | 3.256                               | 51.389                                 | -1.87%         | -0.91%           |
|                                    |             |                                     | 3500                     | 3.259                                 | 50.816                                   | 3.314                               | 51.321                                 | -1.66%         | -0.98%           |
|                                    |             |                                     | 3550                     | 3.315                                 | 50.749                                   | 3.372                               | 51.254                                 | -1.69%         | -0.99%           |
|                                    |             |                                     | 3560                     | 3.326                                 | 50.728                                   | 3.384                               | 51.240                                 | -1.71%         | -1.00%           |
|                                    |             |                                     | 3600                     | 3.373                                 | 50.648                                   | 3.431                               | 51.186                                 | -1.69%         | -1.05%           |
|                                    |             |                                     | 3650                     | 3.439                                 | 50.569                                   | 3.489                               | 51.118                                 | -1.43%         | -1.07%           |
|                                    |             |                                     | 3690                     | 3.477                                 | 50.485                                   | 3.536                               | 51.063                                 | -1.67%         | -1.13%           |
|                                    |             |                                     | 3700                     | 3.491                                 | 50.458                                   | 3.548                               | 51.050                                 | -1.61%         | -1.16%           |
|                                    |             |                                     | 3750                     | 3.562                                 | 50.368                                   | 3.606                               | 50.982                                 | -1.22%         | -1.20%           |
|                                    |             |                                     | 3900                     | 3.748                                 | 50.124                                   | 3.781                               | 50.779                                 | -0.87%         | -1.29%           |
|                                    |             |                                     | 3930                     | 3.789                                 | 50.069                                   | 3.816                               | 50.738                                 | -0.71%         | -1.32%           |
|                                    |             |                                     | 4100                     | 4.024                                 | 49.767                                   | 4.015                               | 50.507                                 | 0.22%          | -1.47%           |
|                                    |             |                                     | 4150                     | 4.095                                 | 49.653                                   | 4.073                               | 50.439                                 | 0.54%          | -1.56%           |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 156 of 337                 |



**Table 10-11**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type    | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|----------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 05/31/2021                         | 3600 Body      | 23.0                                | 3300                     | 3.147                                 | 49.875                                   | 3.080                               | 51.593                                 | 2.18%          | -3.33%           |
|                                    |                |                                     | 3350                     | 3.201                                 | 49.811                                   | 3.139                               | 51.525                                 | 1.98%          | -3.33%           |
|                                    |                |                                     | 3450                     | 3.299                                 | 49.661                                   | 3.256                               | 51.389                                 | 1.32%          | -3.36%           |
|                                    |                |                                     | 3500                     | 3.348                                 | 49.600                                   | 3.314                               | 51.321                                 | 1.03%          | -3.35%           |
|                                    |                |                                     | 3550                     | 3.398                                 | 49.526                                   | 3.372                               | 51.254                                 | 0.77%          | -3.37%           |
|                                    |                |                                     | 3560                     | 3.409                                 | 49.512                                   | 3.384                               | 51.240                                 | 0.74%          | -3.37%           |
|                                    |                |                                     | 3600                     | 3.449                                 | 49.474                                   | 3.431                               | 51.186                                 | 0.52%          | -3.34%           |
|                                    |                |                                     | 3650                     | 3.495                                 | 49.415                                   | 3.489                               | 51.118                                 | 0.17%          | -3.33%           |
|                                    |                |                                     | 3690                     | 3.535                                 | 49.372                                   | 3.536                               | 51.063                                 | -0.03%         | -3.31%           |
|                                    |                |                                     | 3700                     | 3.545                                 | 49.359                                   | 3.548                               | 51.050                                 | -0.08%         | -3.31%           |
|                                    |                |                                     | 3750                     | 3.596                                 | 49.291                                   | 3.606                               | 50.982                                 | -0.28%         | -3.32%           |
|                                    |                |                                     | 3900                     | 3.742                                 | 49.105                                   | 3.781                               | 50.779                                 | -1.03%         | -3.30%           |
|                                    |                |                                     | 3930                     | 3.776                                 | 49.077                                   | 3.816                               | 50.738                                 | -1.05%         | -3.27%           |
|                                    |                |                                     | 4100                     | 3.961                                 | 48.847                                   | 4.015                               | 50.507                                 | -1.34%         | -3.29%           |
|                                    |                |                                     | 4150                     | 4.020                                 | 48.772                                   | 4.073                               | 50.439                                 | -1.30%         | -3.30%           |
|                                    |                |                                     | 3300                     | 3.034                                 | 51.244                                   | 3.080                               | 51.593                                 | -1.49%         | -0.68%           |
|                                    |                |                                     | 3350                     | 3.088                                 | 51.132                                   | 3.139                               | 51.525                                 | -1.62%         | -0.76%           |
|                                    |                |                                     | 3450                     | 3.207                                 | 50.946                                   | 3.256                               | 51.389                                 | -1.50%         | -0.86%           |
|                                    |                |                                     | 3500                     | 3.264                                 | 50.823                                   | 3.314                               | 51.321                                 | -1.51%         | -0.97%           |
|                                    |                |                                     | 3550                     | 3.328                                 | 50.762                                   | 3.372                               | 51.254                                 | -1.30%         | -0.96%           |
| 06/03/2021                         | 3600 Body      | 18.5                                | 3560                     | 3.336                                 | 50.744                                   | 3.384                               | 51.240                                 | -1.42%         | -0.97%           |
|                                    |                |                                     | 3600                     | 3.381                                 | 50.633                                   | 3.431                               | 51.186                                 | -1.46%         | -1.08%           |
|                                    |                |                                     | 3650                     | 3.452                                 | 50.550                                   | 3.489                               | 51.118                                 | -1.06%         | -1.11%           |
|                                    |                |                                     | 3690                     | 3.490                                 | 50.475                                   | 3.536                               | 51.063                                 | -1.30%         | -1.15%           |
|                                    |                |                                     | 3700                     | 3.504                                 | 50.460                                   | 3.548                               | 51.050                                 | -1.24%         | -1.16%           |
|                                    |                |                                     | 3750                     | 3.580                                 | 50.405                                   | 3.606                               | 50.982                                 | -0.72%         | -1.13%           |
|                                    |                |                                     | 3900                     | 3.766                                 | 50.117                                   | 3.781                               | 50.779                                 | -0.40%         | -1.30%           |
|                                    |                |                                     | 3930                     | 3.807                                 | 50.045                                   | 3.816                               | 50.738                                 | -0.24%         | -1.37%           |
|                                    |                |                                     | 4100                     | 4.041                                 | 49.746                                   | 4.015                               | 50.507                                 | 0.65%          | -1.51%           |
|                                    |                |                                     | 4150                     | 4.108                                 | 49.667                                   | 4.073                               | 50.439                                 | 0.86%          | -1.53%           |
|                                    |                |                                     | 5180                     | 5.174                                 | 48.602                                   | 5.276                               | 49.041                                 | -1.93%         | -0.90%           |
|                                    |                |                                     | 5190                     | 5.183                                 | 48.562                                   | 5.288                               | 49.028                                 | -1.99%         | -0.95%           |
|                                    |                |                                     | 5200                     | 5.197                                 | 48.527                                   | 5.299                               | 49.014                                 | -1.92%         | -0.99%           |
|                                    |                |                                     | 5210                     | 5.217                                 | 48.492                                   | 5.311                               | 49.001                                 | -1.77%         | -1.04%           |
|                                    |                |                                     | 5220                     | 5.239                                 | 48.447                                   | 5.323                               | 48.987                                 | -1.58%         | -1.10%           |
|                                    |                |                                     | 5240                     | 5.274                                 | 48.399                                   | 5.346                               | 48.960                                 | -1.35%         | -1.15%           |
|                                    |                |                                     | 5250                     | 5.289                                 | 48.390                                   | 5.358                               | 48.947                                 | -1.29%         | -1.14%           |
|                                    |                |                                     | 5260                     | 5.303                                 | 48.396                                   | 5.369                               | 48.933                                 | -1.23%         | -1.10%           |
|                                    |                |                                     | 5270                     | 5.314                                 | 48.386                                   | 5.381                               | 48.919                                 | -1.25%         | -1.09%           |
|                                    |                |                                     | 5280                     | 5.322                                 | 48.371                                   | 5.393                               | 48.906                                 | -1.32%         | -1.09%           |
| 05/18/2021                         | 5200-5800 Body | 24.2                                | 5290                     | 5.331                                 | 48.357                                   | 5.404                               | 48.892                                 | -1.35%         | -1.09%           |
|                                    |                |                                     | 5300                     | 5.343                                 | 48.335                                   | 5.416                               | 48.879                                 | -1.35%         | -1.11%           |
|                                    |                |                                     | 5310                     | 5.358                                 | 48.305                                   | 5.428                               | 48.865                                 | -1.29%         | -1.15%           |
|                                    |                |                                     | 5320                     | 5.372                                 | 48.260                                   | 5.439                               | 48.851                                 | -1.23%         | -1.21%           |
|                                    |                |                                     | 5500                     | 5.637                                 | 47.848                                   | 5.650                               | 48.607                                 | -0.23%         | -1.56%           |
|                                    |                |                                     | 5510                     | 5.654                                 | 47.839                                   | 5.661                               | 48.594                                 | -0.12%         | -1.55%           |
|                                    |                |                                     | 5520                     | 5.670                                 | 47.822                                   | 5.673                               | 48.580                                 | -0.05%         | -1.56%           |
|                                    |                |                                     | 5530                     | 5.683                                 | 47.800                                   | 5.685                               | 48.566                                 | -0.04%         | -1.58%           |
|                                    |                |                                     | 5540                     | 5.696                                 | 47.784                                   | 5.696                               | 48.553                                 | 0.00%          | -1.58%           |
|                                    |                |                                     | 5550                     | 5.710                                 | 47.767                                   | 5.708                               | 48.539                                 | 0.04%          | -1.59%           |
|                                    |                |                                     | 5560                     | 5.725                                 | 47.749                                   | 5.720                               | 48.526                                 | 0.09%          | -1.60%           |
|                                    |                |                                     | 5580                     | 5.756                                 | 47.701                                   | 5.743                               | 48.499                                 | 0.23%          | -1.65%           |
|                                    |                |                                     | 5600                     | 5.790                                 | 47.665                                   | 5.766                               | 48.471                                 | 0.42%          | -1.66%           |
|                                    |                |                                     | 5610                     | 5.808                                 | 47.651                                   | 5.778                               | 48.458                                 | 0.52%          | -1.67%           |
|                                    |                |                                     | 5620                     | 5.823                                 | 47.638                                   | 5.790                               | 48.444                                 | 0.57%          | -1.66%           |
|                                    |                |                                     | 5640                     | 5.851                                 | 47.614                                   | 5.813                               | 48.417                                 | 0.65%          | -1.66%           |
|                                    |                |                                     | 5660                     | 5.877                                 | 47.591                                   | 5.837                               | 48.390                                 | 0.69%          | -1.65%           |
|                                    |                |                                     | 5670                     | 5.887                                 | 47.585                                   | 5.848                               | 48.376                                 | 0.67%          | -1.64%           |
|                                    |                |                                     | 5680                     | 5.899                                 | 47.578                                   | 5.860                               | 48.363                                 | 0.67%          | -1.62%           |
|                                    |                |                                     | 5690                     | 5.915                                 | 47.568                                   | 5.872                               | 48.349                                 | 0.73%          | -1.62%           |
|                                    |                |                                     | 5700                     | 5.933                                 | 47.555                                   | 5.883                               | 48.336                                 | 0.85%          | -1.62%           |
|                                    |                |                                     | 5710                     | 5.949                                 | 47.538                                   | 5.895                               | 48.322                                 | 0.92%          | -1.62%           |
|                                    |                |                                     | 5720                     | 5.962                                 | 47.521                                   | 5.907                               | 48.309                                 | 0.93%          | -1.63%           |
|                                    |                |                                     | 5745                     | 5.998                                 | 47.498                                   | 5.936                               | 48.275                                 | 1.04%          | -1.61%           |
|                                    |                |                                     | 5750                     | 6.007                                 | 47.487                                   | 5.942                               | 48.268                                 | 1.09%          | -1.62%           |
|                                    |                |                                     | 5755                     | 6.014                                 | 47.476                                   | 5.947                               | 48.261                                 | 1.13%          | -1.63%           |
|                                    |                |                                     | 5765                     | 6.024                                 | 47.463                                   | 5.959                               | 48.248                                 | 1.09%          | -1.63%           |
|                                    |                |                                     | 5775                     | 6.032                                 | 47.461                                   | 5.971                               | 48.234                                 | 1.02%          | -1.60%           |
|                                    |                |                                     | 5785                     | 6.043                                 | 47.471                                   | 5.982                               | 48.220                                 | 1.02%          | -1.55%           |
|                                    |                |                                     | 5795                     | 6.055                                 | 47.474                                   | 5.994                               | 48.207                                 | 1.02%          | -1.52%           |
|                                    |                |                                     | 5800                     | 6.063                                 | 47.468                                   | 6.000                               | 48.200                                 | 1.05%          | -1.52%           |
|                                    |                |                                     | 5805                     | 6.071                                 | 47.461                                   | 6.006                               | 48.193                                 | 1.08%          | -1.52%           |
|                                    |                |                                     | 5825                     | 6.101                                 | 47.447                                   | 6.029                               | 48.166                                 | 1.19%          | -1.49%           |

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 157 of 337                 |

## 10.2 Test System Verification

Prior to SAR assessment, the system is verified to  $\pm 10\%$  of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in Appendix D.

**Table 10-12**  
**System Verification Results – 1g Head**

| System Verification<br>TARGET & MEASURED |                        |             |            |                |                  |                 |           |          |                       |                        |                             |                 |
|------------------------------------------|------------------------|-------------|------------|----------------|------------------|-----------------|-----------|----------|-----------------------|------------------------|-----------------------------|-----------------|
| SAR System                               | Tissue Frequency (MHz) | Tissue Type | Date       | Amb. Temp. (C) | Liquid Temp. (C) | Input Power (W) | Source SN | Probe SN | Measured SAR1g (W/kg) | 1W Target SAR1g (W/kg) | 1W Normalized SAR 1g (W/kg) | Deviation1g (%) |
| E                                        | 750                    | HEAD        | 04/13/2021 | 24.5           | 23.5             | 0.20            | 1161      | 7571     | 1.72                  | 8.03                   | 8.600                       | 7.10%           |
| E                                        | 750                    | HEAD        | 04/15/2021 | 24.3           | 22.8             | 0.20            | 1003      | 7571     | 1.74                  | 8.78                   | 8.700                       | -0.91%          |
| G                                        | 750                    | HEAD        | 05/23/2021 | 22.2           | 22.2             | 0.20            | 1003      | 7357     | 1.69                  | 8.78                   | 8.450                       | -3.76%          |
| P                                        | 835                    | HEAD        | 04/18/2021 | 24.0           | 23.0             | 0.20            | 4d047     | 7308     | 1.88                  | 9.42                   | 9.400                       | -0.21%          |
| P                                        | 835                    | HEAD        | 04/20/2021 | 24.0           | 20.9             | 0.20            | 4d047     | 7308     | 1.84                  | 9.42                   | 9.200                       | -2.34%          |
| J                                        | 835                    | HEAD        | 06/01/2021 | 21.7           | 21.7             | 0.20            | 4d133     | 7526     | 2.02                  | 9.43                   | 10.100                      | 7.10%           |
| J                                        | 1750                   | HEAD        | 04/11/2021 | 22.1           | 22.3             | 0.10            | 1150      | 7526     | 3.65                  | 36.50                  | 36.500                      | 0.00%           |
| G                                        | 1750                   | HEAD        | 05/16/2021 | 22.0           | 21.4             | 0.10            | 1150      | 7357     | 3.51                  | 36.50                  | 35.100                      | -3.84%          |
| G                                        | 1750                   | HEAD        | 05/20/2021 | 23.8           | 22.4             | 0.10            | 1150      | 7357     | 3.76                  | 36.50                  | 37.600                      | 3.01%           |
| E                                        | 1900                   | HEAD        | 04/12/2021 | 23.3           | 23.2             | 0.10            | 5d080     | 7571     | 4.09                  | 39.80                  | 40.900                      | 2.76%           |
| E                                        | 1900                   | HEAD        | 05/31/2021 | 24.3           | 23.2             | 0.10            | 5d080     | 7571     | 3.98                  | 39.80                  | 39.800                      | 0.00%           |
| P                                        | 2300                   | HEAD        | 04/13/2021 | 23.5           | 22.5             | 0.10            | 1073      | 7308     | 4.83                  | 49.20                  | 48.300                      | -1.83%          |
| P                                        | 2300                   | HEAD        | 04/22/2021 | 23.5           | 23.7             | 0.10            | 1073      | 7308     | 4.89                  | 49.20                  | 48.900                      | -0.61%          |
| P                                        | 2450                   | HEAD        | 04/13/2021 | 23.5           | 22.5             | 0.10            | 719       | 7308     | 5.01                  | 51.40                  | 50.100                      | -2.53%          |
| E                                        | 2450                   | HEAD        | 04/27/2021 | 23.3           | 24.0             | 0.10            | 719       | 7571     | 5.43                  | 51.40                  | 54.300                      | 5.64%           |
| L                                        | 2450                   | HEAD        | 06/01/2021 | 23.3           | 21.7             | 0.10            | 981       | 7539     | 5.34                  | 52.30                  | 53.400                      | 2.10%           |
| P                                        | 2600                   | HEAD        | 04/13/2021 | 23.5           | 22.5             | 0.10            | 1064      | 7308     | 5.85                  | 58.10                  | 58.500                      | 0.69%           |
| L                                        | 2600                   | HEAD        | 06/01/2021 | 23.3           | 21.7             | 0.10            | 1071      | 7539     | 5.69                  | 56.10                  | 56.900                      | 1.43%           |
| L                                        | 3500                   | HEAD        | 05/10/2021 | 22.0           | 20.0             | 0.10            | 1059      | 7539     | 6.39                  | 63.70                  | 63.900                      | 0.31%           |
| L                                        | 3500                   | HEAD        | 05/19/2021 | 22.1           | 19.9             | 0.10            | 1059      | 7539     | 6.56                  | 63.70                  | 65.600                      | 2.98%           |
| L                                        | 3700                   | HEAD        | 05/10/2021 | 22.0           | 20.0             | 0.10            | 1018      | 7539     | 6.81                  | 67.00                  | 68.100                      | 1.64%           |
| L                                        | 3700                   | HEAD        | 05/19/2021 | 22.1           | 19.9             | 0.10            | 1018      | 7539     | 7.00                  | 67.00                  | 70.000                      | 4.48%           |
| L                                        | 3900                   | HEAD        | 05/10/2021 | 22.0           | 20.0             | 0.10            | 1056      | 7539     | 7.17                  | 68.90                  | 71.700                      | 4.06%           |
| L                                        | 3900                   | HEAD        | 05/19/2021 | 22.1           | 19.9             | 0.10            | 1056      | 7539     | 7.20                  | 68.90                  | 72.000                      | 4.50%           |
| K                                        | 5250                   | HEAD        | 05/17/2021 | 22.8           | 20.7             | 0.05            | 1057      | 7538     | 4.03                  | 79.70                  | 80.600                      | 1.13%           |
| K                                        | 5600                   | HEAD        | 05/17/2021 | 22.8           | 20.7             | 0.05            | 1057      | 7538     | 4.31                  | 83.80                  | 86.200                      | 2.86%           |
| K                                        | 5750                   | HEAD        | 05/17/2021 | 22.8           | 20.7             | 0.05            | 1057      | 7538     | 3.92                  | 80.10                  | 78.400                      | -2.12%          |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 158 of 337                        |

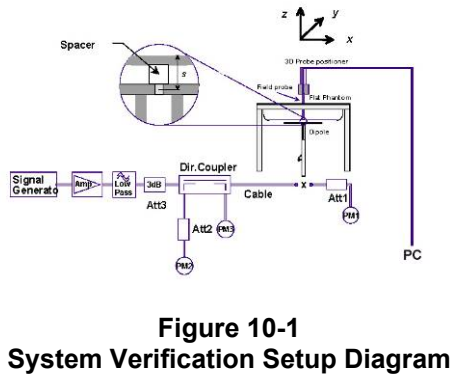
**Table 10-13**  
**System Verification Results – 1g Body**

| System Verification<br>TARGET & MEASURED |                        |             |            |                |                  |                 |           |          |                       |                        |                             |                 |
|------------------------------------------|------------------------|-------------|------------|----------------|------------------|-----------------|-----------|----------|-----------------------|------------------------|-----------------------------|-----------------|
| SAR System                               | Tissue Frequency (MHz) | Tissue Type | Date       | Amb. Temp. (C) | Liquid Temp. (C) | Input Power (W) | Source SN | Probe SN | Measured SAR1g (W/kg) | 1W Target SAR1g (W/kg) | 1W Normalized SAR 1g (W/kg) | Deviation1g (%) |
| G                                        | 750                    | BODY        | 04/14/2021 | 24.5           | 22.8             | 0.20            | 1003      | 7406     | 1.79                  | 8.61                   | 8.950                       | 3.95%           |
| G                                        | 750                    | BODY        | 04/25/2021 | 23.5           | 22.3             | 0.20            | 1003      | 7406     | 1.81                  | 8.61                   | 9.050                       | 5.11%           |
| G                                        | 750                    | BODY        | 04/27/2021 | 23.8           | 22.2             | 0.20            | 1003      | 7406     | 1.80                  | 8.61                   | 9.000                       | 4.53%           |
| G                                        | 750                    | BODY        | 05/02/2021 | 22.3           | 21.6             | 0.20            | 1003      | 7406     | 1.76                  | 8.61                   | 8.800                       | 2.21%           |
| G                                        | 750                    | BODY        | 05/04/2021 | 23.4           | 22.8             | 0.20            | 1003      | 7406     | 1.79                  | 8.61                   | 8.950                       | 3.95%           |
| G                                        | 750                    | BODY        | 05/09/2021 | 22.4           | 21.7             | 0.20            | 1003      | 7406     | 1.83                  | 8.61                   | 9.150                       | 6.27%           |
| H                                        | 835                    | BODY        | 04/23/2021 | 22.6           | 22.2             | 0.20            | 4d133     | 7410     | 2.04                  | 9.75                   | 10.200                      | 4.62%           |
| P                                        | 835                    | BODY        | 04/25/2021 | 18.4           | 20.0             | 0.20            | 4d047     | 7308     | 1.93                  | 9.47                   | 9.650                       | 1.90%           |
| P                                        | 835                    | BODY        | 04/27/2021 | 23.9           | 22.1             | 0.20            | 4d047     | 7308     | 2.00                  | 9.47                   | 10.000                      | 5.60%           |
| P                                        | 835                    | BODY        | 04/29/2021 | 24.3           | 21.4             | 0.20            | 4d047     | 7308     | 1.95                  | 9.47                   | 9.750                       | 2.96%           |
| P                                        | 835                    | BODY        | 05/03/2021 | 23.9           | 21.5             | 0.20            | 4d047     | 7308     | 1.91                  | 9.47                   | 9.550                       | 0.84%           |
| P                                        | 835                    | BODY        | 06/02/2021 | 23.1           | 22.2             | 0.20            | 4d047     | 7308     | 2.04                  | 9.47                   | 10.200                      | 7.71%           |
| H                                        | 1750                   | BODY        | 04/27/2021 | 22.4           | 22.7             | 0.10            | 1150      | 7410     | 3.75                  | 36.60                  | 37.500                      | 2.46%           |
| H                                        | 1750                   | BODY        | 05/02/2021 | 20.9           | 21.0             | 0.10            | 1150      | 7410     | 3.88                  | 36.60                  | 38.800                      | 6.01%           |
| H                                        | 1750                   | BODY        | 05/04/2021 | 21.7           | 22.0             | 0.10            | 1150      | 7410     | 3.61                  | 36.60                  | 36.100                      | -1.37%          |
| H                                        | 1750                   | BODY        | 05/18/2021 | 23.0           | 21.1             | 0.10            | 1150      | 7410     | 3.94                  | 36.60                  | 39.400                      | 7.65%           |
| H                                        | 1750                   | BODY        | 05/20/2021 | 24.0           | 21.9             | 0.10            | 1150      | 7410     | 3.80                  | 36.60                  | 38.000                      | 3.83%           |
| H                                        | 1750                   | BODY        | 05/22/2021 | 22.4           | 21.0             | 0.10            | 1150      | 7410     | 3.88                  | 36.60                  | 38.800                      | 6.01%           |
| D                                        | 1900                   | BODY        | 04/21/2021 | 23.4           | 22.6             | 0.10            | 5d080     | 3589     | 4.15                  | 39.20                  | 41.500                      | 5.87%           |
| D                                        | 1900                   | BODY        | 05/02/2021 | 22.0           | 22.5             | 0.10            | 5d080     | 3589     | 4.09                  | 39.20                  | 40.900                      | 4.34%           |
| D                                        | 1900                   | BODY        | 05/05/2021 | 23.1           | 22.5             | 0.10            | 5d080     | 3589     | 4.14                  | 39.20                  | 41.400                      | 5.61%           |
| D                                        | 1900                   | BODY        | 05/16/2021 | 23.3           | 22.9             | 0.10            | 5d080     | 3589     | 4.01                  | 39.20                  | 40.100                      | 2.30%           |
| D                                        | 1900                   | BODY        | 05/19/2021 | 23.7           | 22.5             | 0.10            | 5d080     | 3589     | 4.10                  | 39.20                  | 41.000                      | 4.59%           |
| D                                        | 1900                   | BODY        | 05/22/2021 | 24.0           | 22.3             | 0.10            | 5d148     | 3589     | 4.10                  | 39.10                  | 41.000                      | 4.86%           |
| D                                        | 1900                   | BODY        | 05/31/2021 | 23.3           | 21.7             | 0.10            | 5d080     | 3589     | 4.11                  | 39.20                  | 41.100                      | 4.85%           |
| E                                        | 1900                   | BODY        | 06/02/2021 | 24.4           | 23.4             | 0.10            | 5d080     | 7571     | 4.12                  | 39.20                  | 41.200                      | 5.10%           |
| K                                        | 2300                   | BODY        | 04/08/2021 | 24.4           | 22.7             | 0.10            | 1073      | 7538     | 5.05                  | 47.70                  | 50.500                      | 5.87%           |
| K                                        | 2300                   | BODY        | 04/18/2021 | 24.0           | 22.1             | 0.10            | 1073      | 7538     | 4.73                  | 47.70                  | 47.300                      | -0.84%          |
| L                                        | 2300                   | BODY        | 04/26/2021 | 23.0           | 23.6             | 0.10            | 1073      | 7539     | 4.90                  | 47.70                  | 49.000                      | 2.73%           |
| E                                        | 2300                   | BODY        | 05/19/2021 | 24.7           | 23.5             | 0.10            | 1073      | 7571     | 4.61                  | 47.70                  | 46.100                      | -3.35%          |
| L                                        | 2450                   | BODY        | 04/15/2021 | 20.5           | 22.0             | 0.10            | 981       | 7539     | 4.98                  | 50.10                  | 49.800                      | -0.60%          |
| L                                        | 2450                   | BODY        | 04/18/2021 | 22.9           | 22.3             | 0.10            | 981       | 7539     | 5.12                  | 50.10                  | 51.200                      | 2.20%           |
| K                                        | 2450                   | BODY        | 05/06/2021 | 22.6           | 22.4             | 0.10            | 719       | 7538     | 5.22                  | 50.70                  | 52.200                      | 2.96%           |
| K                                        | 2450                   | BODY        | 05/09/2021 | 22.9           | 21.4             | 0.10            | 719       | 7538     | 5.10                  | 50.70                  | 51.000                      | 0.59%           |
| K                                        | 2450                   | BODY        | 05/20/2021 | 24.0           | 21.7             | 0.10            | 719       | 7538     | 5.21                  | 50.70                  | 52.100                      | 2.76%           |
| E                                        | 2450                   | BODY        | 05/22/2021 | 24.3           | 23.0             | 0.10            | 719       | 7571     | 5.06                  | 50.70                  | 50.600                      | -0.20%          |
| E                                        | 2450                   | BODY        | 05/25/2021 | 24.7           | 24.5             | 0.10            | 719       | 7571     | 5.12                  | 50.70                  | 51.200                      | 0.99%           |
| K                                        | 2450                   | BODY        | 05/26/2021 | 23.5           | 23.0             | 0.10            | 719       | 7538     | 5.34                  | 50.70                  | 53.400                      | 5.33%           |
| K                                        | 2450                   | BODY        | 06/02/2021 | 24.4           | 21.9             | 0.10            | 719       | 7538     | 5.36                  | 50.70                  | 53.600                      | 5.72%           |
| L                                        | 2600                   | BODY        | 04/15/2021 | 20.5           | 22.0             | 0.10            | 1071      | 7539     | 5.54                  | 54.30                  | 55.400                      | 2.03%           |
| L                                        | 2600                   | BODY        | 04/18/2021 | 22.9           | 22.3             | 0.10            | 1071      | 7539     | 5.30                  | 54.30                  | 53.000                      | -2.39%          |
| E                                        | 2600                   | BODY        | 05/22/2021 | 24.3           | 23.0             | 0.10            | 1064      | 7571     | 5.39                  | 55.60                  | 53.900                      | -3.06%          |
| E                                        | 2600                   | BODY        | 05/25/2021 | 24.7           | 24.5             | 0.10            | 1064      | 7571     | 5.56                  | 55.60                  | 55.600                      | 0.00%           |
| K                                        | 2600                   | BODY        | 06/02/2021 | 24.4           | 21.9             | 0.10            | 1064      | 7538     | 5.76                  | 55.60                  | 57.600                      | 3.60%           |
| I                                        | 3500                   | BODY        | 05/03/2021 | 20.0           | 20.0             | 0.10            | 1097      | 7551     | 6.77                  | 64.20                  | 67.700                      | 5.45%           |
| I                                        | 3500                   | BODY        | 05/15/2021 | 20.1           | 21.9             | 0.10            | 1097      | 7551     | 6.59                  | 64.20                  | 65.900                      | 2.65%           |
| I                                        | 3500                   | BODY        | 05/21/2021 | 21.0           | 21.0             | 0.10            | 1059      | 7551     | 6.81                  | 63.00                  | 68.100                      | 8.10%           |
| I                                        | 3500                   | BODY        | 05/24/2021 | 21.3           | 21.5             | 0.10            | 1097      | 7551     | 6.09                  | 64.20                  | 60.900                      | -5.14%          |
| L                                        | 3500                   | BODY        | 05/28/2021 | 22.0           | 20.0             | 0.10            | 1097      | 7539     | 6.54                  | 64.20                  | 65.400                      | 1.87%           |
| I                                        | 3700                   | BODY        | 05/03/2021 | 20.0           | 20.0             | 0.10            | 1067      | 7551     | 6.53                  | 65.20                  | 65.300                      | 0.15%           |
| I                                        | 3700                   | BODY        | 05/15/2021 | 20.1           | 21.9             | 0.10            | 1067      | 7551     | 6.77                  | 65.20                  | 67.700                      | 3.83%           |
| I                                        | 3700                   | BODY        | 05/21/2021 | 21.0           | 21.0             | 0.10            | 1018      | 7551     | 5.81                  | 63.50                  | 58.100                      | -8.50%          |
| I                                        | 3700                   | BODY        | 05/24/2021 | 21.3           | 21.5             | 0.10            | 1067      | 7551     | 5.93                  | 65.20                  | 59.300                      | -9.05%          |
| L                                        | 3700                   | BODY        | 05/28/2021 | 22.0           | 20.0             | 0.10            | 1067      | 7539     | 6.89                  | 65.20                  | 68.900                      | 5.67%           |
| L                                        | 3700                   | BODY        | 06/03/2021 | 23.0           | 20.4             | 0.10            | 1067      | 7539     | 6.67                  | 65.20                  | 66.700                      | 2.30%           |
| I                                        | 3900                   | BODY        | 05/03/2021 | 20.0           | 20.0             | 0.10            | 1056      | 7551     | 6.34                  | 66.30                  | 63.400                      | -4.37%          |
| I                                        | 3900                   | BODY        | 05/15/2021 | 20.1           | 21.9             | 0.10            | 1056      | 7551     | 6.74                  | 66.30                  | 67.400                      | 1.66%           |
| I                                        | 3900                   | BODY        | 05/21/2021 | 21.0           | 21.0             | 0.10            | 1056      | 7551     | 6.90                  | 66.30                  | 69.000                      | 4.07%           |
| I                                        | 3900                   | BODY        | 05/24/2021 | 21.3           | 21.5             | 0.10            | 1056      | 7551     | 6.90                  | 66.30                  | 69.000                      | 4.07%           |
| L                                        | 3900                   | BODY        | 05/28/2021 | 22.0           | 20.0             | 0.10            | 1056      | 7539     | 6.80                  | 66.30                  | 68.000                      | 2.56%           |
| J                                        | 5250                   | BODY        | 05/18/2021 | 20.9           | 22.2             | 0.05            | 1191      | 7526     | 3.54                  | 74.60                  | 70.800                      | -5.09%          |
| J                                        | 5600                   | BODY        | 05/18/2021 | 20.9           | 22.2             | 0.05            | 1191      | 7526     | 3.67                  | 78.10                  | 73.400                      | -6.02%          |
| J                                        | 5750                   | BODY        | 05/18/2021 | 20.9           | 22.2             | 0.05            | 1191      | 7526     | 3.59                  | 74.90                  | 71.800                      | -4.14%          |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 159 of 337                 |

**Table 10-14**  
**System Verification Results – 10g**

| System Verification<br>TARGET & MEASURED |                        |             |            |                |                  |                 |           |          |                        |                         |                             |                  |
|------------------------------------------|------------------------|-------------|------------|----------------|------------------|-----------------|-----------|----------|------------------------|-------------------------|-----------------------------|------------------|
| SAR System                               | Tissue Frequency (MHz) | Tissue Type | Date       | Amb. Temp. (C) | Liquid Temp. (C) | Input Power (W) | Source SN | Probe SN | Measured SAR10g (W/kg) | 1W Target SAR10g (W/kg) | 1W Normalized SAR10g (W/kg) | Deviation10g (%) |
| H                                        | 1750                   | BODY        | 05/02/2021 | 20.9           | 21.0             | 0.10            | 1150      | 7410     | 2.050                  | 19.40                   | 20.500                      | 5.67%            |
| H                                        | 1750                   | BODY        | 05/06/2021 | 21.7           | 21.1             | 0.10            | 1148      | 7410     | 1.960                  | 19.30                   | 19.600                      | 1.55%            |
| H                                        | 1750                   | BODY        | 05/18/2021 | 23.0           | 21.1             | 0.10            | 1150      | 7410     | 2.080                  | 19.40                   | 20.800                      | 7.22%            |
| D                                        | 1900                   | BODY        | 04/28/2021 | 23.4           | 22.3             | 0.10            | 5d080     | 3589     | 2.050                  | 20.60                   | 20.500                      | -0.49%           |
| D                                        | 1900                   | BODY        | 05/02/2021 | 22.0           | 22.5             | 0.10            | 5d080     | 3589     | 2.100                  | 20.60                   | 21.000                      | 1.94%            |
| D                                        | 1900                   | BODY        | 05/19/2021 | 23.7           | 22.5             | 0.10            | 5d080     | 3589     | 2.120                  | 20.60                   | 21.200                      | 2.91%            |
| D                                        | 1900                   | BODY        | 05/22/2021 | 24.0           | 22.3             | 0.10            | 5d148     | 3589     | 2.110                  | 20.50                   | 21.100                      | 2.93%            |
| K                                        | 2300                   | BODY        | 04/11/2021 | 24.0           | 22.3             | 0.10            | 1073      | 7538     | 2.340                  | 23.20                   | 23.400                      | 0.86%            |
| L                                        | 2300                   | BODY        | 04/26/2021 | 23.0           | 23.6             | 0.10            | 1073      | 7539     | 2.360                  | 23.20                   | 23.600                      | 1.72%            |
| L                                        | 2450                   | BODY        | 04/15/2021 | 20.5           | 22.0             | 0.10            | 981       | 7539     | 2.230                  | 23.70                   | 22.300                      | -5.91%           |
| L                                        | 2450                   | BODY        | 04/18/2021 | 22.9           | 22.3             | 0.10            | 981       | 7539     | 2.360                  | 23.70                   | 23.600                      | -0.42%           |
| E                                        | 2450                   | BODY        | 05/22/2021 | 24.3           | 23.0             | 0.10            | 719       | 7571     | 2.330                  | 23.90                   | 23.300                      | -2.51%           |
| K                                        | 2450                   | BODY        | 06/02/2021 | 24.4           | 21.9             | 0.10            | 719       | 7538     | 2.460                  | 23.90                   | 24.600                      | 2.93%            |
| L                                        | 2600                   | BODY        | 04/15/2021 | 20.5           | 22.0             | 0.10            | 1071      | 7539     | 2.380                  | 24.10                   | 23.800                      | -1.24%           |
| L                                        | 2600                   | BODY        | 04/18/2021 | 22.9           | 22.3             | 0.10            | 1071      | 7539     | 2.340                  | 24.10                   | 23.400                      | -2.90%           |
| E                                        | 2600                   | BODY        | 05/22/2021 | 24.3           | 23.0             | 0.10            | 1064      | 7571     | 2.360                  | 25.00                   | 23.600                      | -5.60%           |
| K                                        | 2600                   | BODY        | 06/02/2021 | 24.4           | 21.9             | 0.10            | 1064      | 7538     | 2.550                  | 25.00                   | 25.500                      | 2.00%            |
| I                                        | 3500                   | BODY        | 05/31/2021 | 22.0           | 22.0             | 0.10            | 1097      | 7551     | 2.450                  | 23.80                   | 24.500                      | 2.94%            |
| L                                        | 3500                   | BODY        | 06/03/2021 | 23.0           | 20.4             | 0.10            | 1097      | 7539     | 2.420                  | 23.80                   | 24.200                      | 1.68%            |
| I                                        | 3700                   | BODY        | 05/31/2021 | 22.0           | 22.0             | 0.10            | 1067      | 7551     | 2.360                  | 23.30                   | 23.600                      | 1.29%            |
| L                                        | 3700                   | BODY        | 06/03/2021 | 23.0           | 20.4             | 0.10            | 1067      | 7539     | 2.440                  | 23.30                   | 24.400                      | 4.72%            |
| I                                        | 3900                   | BODY        | 05/31/2021 | 22.0           | 22.0             | 0.10            | 1056      | 7551     | 2.390                  | 23.00                   | 23.900                      | 3.91%            |
| L                                        | 3900                   | BODY        | 06/03/2021 | 23.0           | 20.4             | 0.10            | 1056      | 7539     | 2.340                  | 23.00                   | 23.400                      | 1.74%            |
| J                                        | 5250                   | BODY        | 05/18/2021 | 20.9           | 22.2             | 0.05            | 1191      | 7526     | 0.998                  | 21.00                   | 19.960                      | -4.95%           |
| J                                        | 5600                   | BODY        | 05/18/2021 | 20.9           | 22.2             | 0.05            | 1191      | 7526     | 1.020                  | 21.70                   | 20.400                      | -5.99%           |
| J                                        | 5750                   | BODY        | 05/18/2021 | 20.9           | 22.2             | 0.05            | 1191      | 7526     | 1.010                  | 20.80                   | 20.200                      | -2.88%           |



|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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# 11 SAR DATA SUMMARY

## 11.1 Standalone Head SAR Data

**Table 11-1**  
**CDMA BC0 (\$22H) Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |            |             |                             |                       |            |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|------------|-------------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode       | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |            |             |                             |                       |            |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 848.31                                                                                            | 777 | Cell. CDMA | RC3 / SO55  | 25.0                        | 24.60                 | 0          | -0.05            | Right                                           | Cheek         | 0759M                | 1:1        | 0.215    | 1.096          | 0.236             | A1     |
| 848.31                                                                                            | 777 | Cell. CDMA | RC3 / SO55  | 25.0                        | 24.60                 | 0          | 0.06             | Right                                           | Tilt          | 0759M                | 1:1        | 0.093    | 1.096          | 0.102             |        |
| 848.31                                                                                            | 777 | Cell. CDMA | RC3 / SO55  | 25.0                        | 24.60                 | 0          | 0.13             | Left                                            | Cheek         | 0759M                | 1:1        | 0.187    | 1.096          | 0.205             |        |
| 848.31                                                                                            | 777 | Cell. CDMA | RC3 / SO55  | 25.0                        | 24.60                 | 0          | 0.05             | Left                                            | Tilt          | 0759M                | 1:1        | 0.104    | 1.096          | 0.114             |        |
| 848.31                                                                                            | 777 | Cell. CDMA | EVDO Rev. A | 24.5                        | 23.08                 | 0          | 0.03             | Right                                           | Cheek         | 0759M                | 1:1        | 0.170    | 1.387          | 0.236             |        |
| 848.31                                                                                            | 777 | Cell. CDMA | EVDO Rev. A | 24.5                        | 23.08                 | 0          | -0.08            | Right                                           | Tilt          | 0759M                | 1:1        | 0.095    | 1.387          | 0.132             |        |
| 848.31                                                                                            | 777 | Cell. CDMA | EVDO Rev. A | 24.5                        | 23.08                 | 0          | 0.14             | Left                                            | Cheek         | 0759M                | 1:1        | 0.162    | 1.387          | 0.225             |        |
| 848.31                                                                                            | 777 | Cell. CDMA | EVDO Rev. A | 24.5                        | 23.08                 | 0          | 0.02             | Left                                            | Tilt          | 0759M                | 1:1        | 0.096    | 1.387          | 0.133             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |            |             |                             |                       |            |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

**Table 11-2**  
**PCS CDMA Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |          |             |                             |                       |            |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|----------|-------------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode     | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |          |             |                             |                       |            |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 1880.00                                                                                           | 600 | PCS CDMA | RC3 / SO55  | 24.0                        | 23.71                 | 15         | 0.15             | Right                                           | Cheek         | 0760M                | 1:1        | 0.071    | 1.069          | 0.076             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | RC3 / SO55  | 24.0                        | 23.71                 | 15         | 0.16             | Right                                           | Tilt          | 0760M                | 1:1        | 0.073    | 1.069          | 0.078             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | RC3 / SO55  | 24.0                        | 23.71                 | 15         | 0.09             | Left                                            | Cheek         | 0760M                | 1:1        | 0.085    | 1.069          | 0.091             | A2     |
| 1880.00                                                                                           | 600 | PCS CDMA | RC3 / SO55  | 24.0                        | 23.71                 | 15         | 0.16             | Left                                            | Tilt          | 0760M                | 1:1        | 0.053    | 1.069          | 0.057             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | EVDO Rev. A | 24.0                        | 23.26                 | 19         | 0.04             | Right                                           | Cheek         | 0760M                | 1:1        | 0.078    | 1.186          | 0.093             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | EVDO Rev. A | 24.0                        | 23.26                 | 19         | 0.18             | Right                                           | Tilt          | 0760M                | 1:1        | 0.064    | 1.186          | 0.076             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | EVDO Rev. A | 24.0                        | 23.26                 | 15         | -0.04            | Left                                            | Cheek         | 0760M                | 1:1        | 0.083    | 1.186          | 0.098             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | EVDO Rev. A | 24.0                        | 23.26                 | 15         | 0.20             | Left                                            | Tilt          | 0760M                | 1:1        | 0.082    | 1.186          | 0.097             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |             |                             |                       |            |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 161 of 337                        |

**Table 11-3**  
**GSM 850 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |         |         |                             |                       |                  |       |                                                 |                      |                 |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------------------|-----------------------|------------------|-------|-------------------------------------------------|----------------------|-----------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side  | Test Position                                   | Device Serial Number | # of Time Slots | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                             |                       |                  |       |                                                 |                      |                 |            | (W/kg)   |                | (W/kg)            |        |
| 824.20                                                                                            | 128 | GSM 850 | GSM     | 33.0                        | 32.00                 | 0.13             | Right | Cheek                                           | 0747M                | 1               | 1:8.3      | 0.104    | 1.259          | 0.131             | A3     |
| 824.20                                                                                            | 128 | GSM 850 | GSM     | 33.0                        | 32.00                 | 0.16             | Right | Tilt                                            | 0747M                | 1               | 1:8.3      | 0.055    | 1.259          | 0.069             |        |
| 824.20                                                                                            | 128 | GSM 850 | GSM     | 33.0                        | 32.00                 | 0.12             | Left  | Cheek                                           | 0747M                | 1               | 1:8.3      | 0.094    | 1.259          | 0.118             |        |
| 824.20                                                                                            | 128 | GSM 850 | GSM     | 33.0                        | 32.00                 | -0.04            | Left  | Tilt                                            | 0747M                | 1               | 1:8.3      | 0.054    | 1.259          | 0.068             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                             |                       |                  |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |                 |            |          |                |                   |        |

**Table 11-4**  
**GMS 1900 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |          |         |                             |                       |                  |       |                                                 |                      |                 |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|----------|---------|-----------------------------|-----------------------|------------------|-------|-------------------------------------------------|----------------------|-----------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode     | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side  | Test Position                                   | Device Serial Number | # of Time Slots | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |          |         |                             |                       |                  |       |                                                 |                      |                 |            | (W/kg)   |                | (W/kg)            |        |
| 1850.20                                                                                           | 512 | GSM 1900 | GSM     | 30.0                        | 29.25                 | 0.15             | Right | Cheek                                           | 0760M                | 1               | 1:8.3      | 0.039    | 1.189          | 0.046             |        |
| 1850.20                                                                                           | 512 | GSM 1900 | GSM     | 30.0                        | 29.25                 | -0.02            | Right | Tilt                                            | 0760M                | 1               | 1:8.3      | 0.033    | 1.189          | 0.039             |        |
| 1850.20                                                                                           | 512 | GSM 1900 | GSM     | 30.0                        | 29.25                 | 0.07             | Left  | Cheek                                           | 0760M                | 1               | 1:8.3      | 0.040    | 1.189          | 0.048             | A4     |
| 1850.20                                                                                           | 512 | GSM 1900 | GSM     | 30.0                        | 29.25                 | 0.15             | Left  | Tilt                                            | 0760M                | 1               | 1:8.3      | 0.028    | 1.189          | 0.033             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |         |                             |                       |                  |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |                 |            |          |                |                   |        |

**Table 11-5**  
**UMTS 850 Head SAR – Open**

| MEASUREMENT RESULTS                                                                               |      |          |         |                             |                       |            |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|------|----------|---------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode     | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |          |         |                             |                       |            |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 25.0                        | 24.49                 | 0          | 0.19             | Right                                           | Cheek         | 0747M                | 1:1        | 0.184    | 1.125          | 0.207             | A5     |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 25.0                        | 24.49                 | 0          | 0.03             | Right                                           | Tilt          | 0747M                | 1:1        | 0.087    | 1.125          | 0.098             |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 25.0                        | 24.49                 | 2          | 0.05             | Left                                            | Cheek         | 0747M                | 1:1        | 0.183    | 1.125          | 0.206             |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 25.0                        | 24.49                 | 2          | 0.01             | Left                                            | Tilt          | 0747M                | 1:1        | 0.103    | 1.125          | 0.116             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |          |         |                             |                       |            |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
| Page 162 of 337                             |                                                                                                                                                                                                        |                                 |

**Table 11-6**  
**UMTS 1750 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |      |           |         |                             |                       |            |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |            |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 24.0                        | 23.70                 | 0          | -0.15            | Right                                           | Cheek         | 0760M                | 1:1        | 0.087    | 1.072          | 0.093             | A6     |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 24.0                        | 23.70                 | 0          | 0.08             | Right                                           | Tilt          | 0760M                | 1:1        | 0.039    | 1.072          | 0.042             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 24.0                        | 23.70                 | 0          | 0.09             | Left                                            | Cheek         | 0760M                | 1:1        | 0.079    | 1.072          | 0.085             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 24.0                        | 23.70                 | 0          | 0.13             | Left                                            | Tilt          | 0760M                | 1:1        | 0.051    | 1.072          | 0.055             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |           |         |                             |                       |            |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

**Table 11-7**  
**UMTS 1900 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |      |           |         |                             |                       |            |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |            |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 24.0                        | 23.82                 | 15         | 0.11             | Right                                           | Cheek         | 0765M                | 1:1        | 0.090    | 1.042          | 0.094             | A7     |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 24.0                        | 23.82                 | 15         | 0.07             | Right                                           | Tilt          | 0765M                | 1:1        | 0.032    | 1.042          | 0.033             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 24.0                        | 23.82                 | 15         | 0.21             | Left                                            | Cheek         | 0765M                | 1:1        | 0.040    | 1.042          | 0.042             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 24.0                        | 23.82                 | 15         | 0.04             | Left                                            | Tilt          | 0765M                | 1:1        | 0.022    | 1.042          | 0.023             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |           |         |                             |                       |            |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

**Table 11-8**  
**LTE Band 71 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |            |                  |          |      |                                                 |            |         |           |                      |            |          |                |                   |        |    |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |    |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |            |                  |          |      |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 24.11      | 0                | 0.06     | 0    | Right                                           | Cheek      | QPSK    | 1         | 50                   | 0829M      | 1:1      | 0.153          | 1.377             | 0.211  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 23.26      | 0                | 0.06     | 1    | Right                                           | Cheek      | QPSK    | 50        | 25                   | 0829M      | 1:1      | 0.128          | 1.330             | 0.170  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 24.11      | 4                | 0.03     | 0    | Right                                           | Tilt       | QPSK    | 1         | 50                   | 0829M      | 1:1      | 0.080          | 1.377             | 0.110  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 23.26      | 4                | 0.02     | 1    | Right                                           | Tilt       | QPSK    | 50        | 25                   | 0829M      | 1:1      | 0.064          | 1.330             | 0.085  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 24.11      | 0                | 0.04     | 0    | Left                                            | Cheek      | QPSK    | 1         | 50                   | 0829M      | 1:1      | 0.163          | 1.377             | 0.224  | A8 |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 23.26      | 0                | 0.04     | 1    | Left                                            | Cheek      | QPSK    | 50        | 25                   | 0829M      | 1:1      | 0.135          | 1.330             | 0.180  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 24.11      | 4                | 0.16     | 0    | Left                                            | Tilt       | QPSK    | 1         | 50                   | 0829M      | 1:1      | 0.029          | 1.377             | 0.040  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 23.26      | 4                | 0.04     | 1    | Left                                            | Tilt       | QPSK    | 50        | 25                   | 0829M      | 1:1      | 0.025          | 1.330             | 0.033  |    |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |            |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |    |

|                                                    |                                                                                                                                                                                                                             |                                      |                                                                                       |                                        |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                                   | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 163 of 337                        |



**Table 11-9**  
**LTE Band 12 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |     |             |                 |                             |                       |            |                  |          |       |                                                 |            |         |           |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|-----|-------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Side  | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.   |     |             |                 |                             |                       |            |                  |          |       |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 25.5                        | 24.25                 | 0          | 0.04             | 0        | Right | Cheek                                           | QPSK       | 1       | 25        | 0829M                | 1:1        | 0.172    | 1.334          | 0.229             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.5                        | 23.40                 | 0          | 0.02             | 1        | Right | Cheek                                           | QPSK       | 25      | 12        | 0829M                | 1:1        | 0.147    | 1.288          | 0.189             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 25.5                        | 24.25                 | 0          | 0.01             | 0        | Right | Tilt                                            | QPSK       | 1       | 25        | 0829M                | 1:1        | 0.090    | 1.334          | 0.120             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.5                        | 23.40                 | 0          | 0.07             | 1        | Right | Tilt                                            | QPSK       | 25      | 12        | 0829M                | 1:1        | 0.080    | 1.288          | 0.103             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 25.5                        | 24.25                 | 0          | 0.04             | 0        | Left  | Cheek                                           | QPSK       | 1       | 25        | 0829M                | 1:1        | 0.195    | 1.334          | 0.260             | A9     |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.5                        | 23.40                 | 0          | 0.05             | 1        | Left  | Cheek                                           | QPSK       | 25      | 12        | 0829M                | 1:1        | 0.155    | 1.288          | 0.200             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 25.5                        | 24.25                 | 0          | 0.09             | 0        | Left  | Tilt                                            | QPSK       | 1       | 25        | 0829M                | 1:1        | 0.097    | 1.334          | 0.129             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.5                        | 23.40                 | 0          | 0.06             | 1        | Left  | Tilt                                            | QPSK       | 25      | 12        | 0829M                | 1:1        | 0.076    | 1.288          | 0.098             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |     |             |                 |                             |                       |            |                  |          |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |

**Table 11-10**  
**LTE Band 13 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |     |             |                 |                             |                       |            |                  |          |       |                                                 |            |         |           |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|-----|-------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Side  | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.   |     |             |                 |                             |                       |            |                  |          |       |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 25.5                        | 24.27                 | 0          | 0.04             | 0        | Right | Cheek                                           | QPSK       | 1       | 49        | 0829M                | 1:1        | 0.216    | 1.327          | 0.287             | A10    |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.5                        | 23.33                 | 0          | 0.06             | 1        | Right | Cheek                                           | QPSK       | 25      | 0         | 0829M                | 1:1        | 0.149    | 1.309          | 0.195             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 25.5                        | 24.27                 | 0          | 0.00             | 0        | Right | Tilt                                            | QPSK       | 1       | 49        | 0829M                | 1:1        | 0.105    | 1.327          | 0.139             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.5                        | 23.33                 | 0          | 0.09             | 1        | Right | Tilt                                            | QPSK       | 25      | 0         | 0829M                | 1:1        | 0.072    | 1.309          | 0.094             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 25.5                        | 24.27                 | 0          | -0.01            | 0        | Left  | Cheek                                           | QPSK       | 1       | 49        | 0829M                | 1:1        | 0.143    | 1.327          | 0.190             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.5                        | 23.33                 | 0          | 0.13             | 1        | Left  | Cheek                                           | QPSK       | 25      | 0         | 0829M                | 1:1        | 0.125    | 1.309          | 0.164             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 25.5                        | 24.27                 | 0          | 0.09             | 0        | Left  | Tilt                                            | QPSK       | 1       | 49        | 0829M                | 1:1        | 0.076    | 1.327          | 0.101             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.5                        | 23.33                 | 0          | 0.07             | 1        | Left  | Tilt                                            | QPSK       | 25      | 0         | 0829M                | 1:1        | 0.063    | 1.309          | 0.082             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |     |             |                 |                             |                       |            |                  |          |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |

**Table 11-11**  
**LTE Band 14 Head SAR – Open**

| MEASUREMENT RESULTS                                                                               |       |     |             |                 |                             |                       |            |                  |          |       |                                                 |            |         |           |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|-----|-------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Side  | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
|                                                                                                   |       |     |             |                 |                             |                       |            |                  |          |       |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 25.5                        | 24.20                 | 0          | -0.01            | 0        | Right | Cheek                                           | QPSK       | 1       | 0         | 0829M                | 1:1        | 0.207    | 1.349          | 0.279             | A11    |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.5                        | 23.34                 | 0          | 0.03             | 1        | Right | Cheek                                           | QPSK       | 25      | 12        | 0829M                | 1:1        | 0.170    | 1.306          | 0.222             |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 25.5                        | 24.20                 | 0          | 0.05             | 0        | Right | Tilt                                            | QPSK       | 1       | 0         | 0829M                | 1:1        | 0.092    | 1.349          | 0.124             |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.5                        | 23.34                 | 0          | 0.08             | 1        | Right | Tilt                                            | QPSK       | 25      | 12        | 0829M                | 1:1        | 0.084    | 1.306          | 0.110             |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 25.5                        | 24.20                 | 0          | 0.03             | 0        | Left  | Cheek                                           | QPSK       | 1       | 0         | 0829M                | 1:1        | 0.153    | 1.349          | 0.206             |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.5                        | 23.34                 | 0          | 0.08             | 1        | Left  | Cheek                                           | QPSK       | 25      | 12        | 0829M                | 1:1        | 0.128    | 1.306          | 0.167             |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 25.5                        | 24.20                 | 0          | 0.03             | 0        | Left  | Tilt                                            | QPSK       | 1       | 0         | 0829M                | 1:1        | 0.081    | 1.349          | 0.109             |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.5                        | 23.34                 | 0          | 0.16             | 1        | Left  | Tilt                                            | QPSK       | 25      | 12        | 0829M                | 1:1        | 0.064    | 1.306          | 0.084             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |     |             |                 |                             |                       |            |                  |          |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 11-12**  
**LTE Band 26 (Cell) Head SAR – Open**

| MEASUREMENT RESULTS                                                                               |       |      |                    |                             |                       |            |                  |          |      |                                                 |            |         |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------|-----------------------|------------|------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz]    | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                    |                             |                       |            |                  |          |      |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 25.3                  | 24.00      | 3                | -0.05    | 0    | Right                                           | Cheek      | QPSK    | 1         | 74                   | 0829M      | 1:1      | 0.229          | 1.349             | 0.309  | A12 |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.3                  | 23.05      | 3                | 0.01     | 1    | Right                                           | Cheek      | QPSK    | 36        | 37                   | 0829M      | 1:1      | 0.164          | 1.334             | 0.219  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 25.3                  | 24.00      | 3                | 0.02     | 0    | Right                                           | Tilt       | QPSK    | 1         | 74                   | 0829M      | 1:1      | 0.106          | 1.349             | 0.143  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.3                  | 23.05      | 3                | 0.10     | 1    | Right                                           | Tilt       | QPSK    | 36        | 37                   | 0829M      | 1:1      | 0.082          | 1.334             | 0.109  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 25.3                  | 24.00      | 3                | 0.03     | 0    | Left                                            | Cheek      | QPSK    | 1         | 74                   | 0829M      | 1:1      | 0.177          | 1.349             | 0.239  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.3                  | 23.05      | 3                | 0.14     | 1    | Left                                            | Cheek      | QPSK    | 36        | 37                   | 0829M      | 1:1      | 0.150          | 1.334             | 0.200  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 25.3                  | 24.00      | 3                | 0.16     | 0    | Left                                            | Tilt       | QPSK    | 1         | 74                   | 0829M      | 1:1      | 0.100          | 1.349             | 0.135  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.3                  | 23.05      | 3                | 0.12     | 1    | Left                                            | Tilt       | QPSK    | 36        | 37                   | 0829M      | 1:1      | 0.083          | 1.334             | 0.111  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                    |                             |                       |            |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |     |

**Table 11-13**  
**LTE Band 5 (Cell) Head SAR – Open**

| MEASUREMENT RESULTS                                                                               |                      |           |       |        |                   |                    |                                   |                          |               |                     |          |                                                 |                  |            |         |           |                            |            |          |                   |                      |        |
|---------------------------------------------------------------------------------------------------|----------------------|-----------|-------|--------|-------------------|--------------------|-----------------------------------|--------------------------|---------------|---------------------|----------|-------------------------------------------------|------------------|------------|---------|-----------|----------------------------|------------|----------|-------------------|----------------------|--------|
| 1 CC Uplink  <br>2 CC Uplink                                                                      | Component<br>Carrier | FREQUENCY |       |        | Mode              | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Tune<br>State | Power<br>Drift [dB] | MPR [dB] | Side                                            | Test<br>Position | Modulation | RB Size | RB Offset | Device<br>Serial<br>Number | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |
|                                                                                                   |                      | MHz       | Ch.   | (W/kg) |                   |                    |                                   |                          |               |                     |          |                                                 |                  |            |         |           |                            |            | (W/kg)   |                   |                      |        |
| 1 CC Uplink                                                                                       | N/A                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 25.3                              | 23.67                    | 0             | 0.00                | 0        | Right                                           | Cheek            | QPSK       | 1       | 49        | 0122M                      | 1:1        | 0.187    | 1.455             | 0.272                |        |
| 1 CC Uplink                                                                                       | N/A                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 24.3                              | 22.62                    | 0             | 0.09                | 1        | Right                                           | Cheek            | QPSK       | 25      | 25        | 0122M                      | 1:1        | 0.152    | 1.472             | 0.224                |        |
| 2 CC Uplink                                                                                       | PCC                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 25.3                              | 23.90                    | 0             | 0.02                | 0        | Right                                           | Cheek            | QPSK       | 1       | 49        | 0122M                      | 1:1        | 0.188    | 1.380             | 0.259                | A13    |
|                                                                                                   | SCC                  | 843.70    | 20597 |        |                   | 5                  |                                   |                          |               |                     |          |                                                 |                  |            | 1       | 0         |                            |            |          |                   |                      |        |
| 1 CC Uplink                                                                                       | N/A                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 25.3                              | 23.67                    | 2             | 0.07                | 0        | Right                                           | Tilt             | QPSK       | 1       | 49        | 0122M                      | 1:1        | 0.088    | 1.455             | 0.128                |        |
| 1 CC Uplink                                                                                       | N/A                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 24.3                              | 22.62                    | 2             | -0.01               | 1        | Right                                           | Tilt             | QPSK       | 25      | 25        | 0122M                      | 1:1        | 0.074    | 1.472             | 0.109                |        |
| 1 CC Uplink                                                                                       | N/A                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 25.3                              | 23.67                    | 2             | 0.04                | 0        | Left                                            | Cheek            | QPSK       | 1       | 49        | 0122M                      | 1:1        | 0.162    | 1.455             | 0.236                |        |
| 1 CC Uplink                                                                                       | N/A                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 24.3                              | 22.62                    | 2             | -0.04               | 1        | Left                                            | Cheek            | QPSK       | 25      | 25        | 0122M                      | 1:1        | 0.132    | 1.472             | 0.194                |        |
| 1 CC Uplink                                                                                       | N/A                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 25.3                              | 23.67                    | 2             | 0.03                | 0        | Left                                            | Tilt             | QPSK       | 1       | 49        | 0122M                      | 1:1        | 0.100    | 1.455             | 0.146                |        |
| 1 CC Uplink                                                                                       | N/A                  | 836.50    | 20525 | Mid    | LTE Band 5 (Cell) | 10                 | 24.3                              | 22.62                    | 2             | 0.15                | 1        | Left                                            | Tilt             | QPSK       | 25      | 25        | 0122M                      | 1:1        | 0.083    | 1.472             | 0.122                |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |           |       |        |                   |                    |                                   |                          |               |                     |          | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                  |            |         |           |                            |            |          |                   |                      |        |

**Table 11-14**  
**LTE Band 66 (AWS) Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |                      |           |        |      |                    |                                   |                          |               |                     |          |      |                                                 |            |         |           |                            |            |          |                   |                      |        |     |
|---------------------------------------------------------------------------------------------------|----------------------|-----------|--------|------|--------------------|-----------------------------------|--------------------------|---------------|---------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------------|------------|----------|-------------------|----------------------|--------|-----|
| 1 CC Uplink /<br>2 CC Uplink                                                                      | Component<br>Carrier | FREQUENCY |        | Mode | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Tune<br>State | Power<br>Drift [dB] | MPR [dB] | Side | Test<br>Position                                | Modulation | RB Size | RB Offset | Device<br>Serial<br>Number | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |     |
|                                                                                                   |                      | MHz       | Ch.    |      |                    |                                   |                          |               |                     |          |      |                                                 |            |         |           |                            |            | (W/kg)   |                   | (W/kg)               |        |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 25.0                     | 23.82         | 13                  | 0.01     | 0    | Right                                           | Cheek      | QPSK    | 1         | 0                          | 1916M      | 1:1      | 0.109             | 1.312                | 0.143  |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 25.0                     | 23.91         | 13                  | 0.00     | 0    | Right                                           | Cheek      | QPSK    | 1         | 99                         | 1916M      | 1:1      | 0.105             | 1.285                | 0.135  |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 24.0                     | 23.04         | 13                  | 0.00     | 1    | Right                                           | Cheek      | QPSK    | 50        | 25                         | 1916M      | 1:1      | 0.100             | 1.247                | 0.125  |     |
| 1 CC Uplink                                                                                       | N/A                  | 1775.00   | 132622 | High | LTE Band 66 (AWS)  | 10                                | 25.0                     | 23.61         | 13                  | -0.14    | 0    | Right                                           | Cheek      | QPSK    | 1         | 0                          | 1916M      | 1:1      | 0.108             | 1.377                | 0.149  |     |
| 2 CC Uplink<br>CA_66C                                                                             | PCC                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 25.0                     | 24.31         | 13                  | 0.01     | 0    | Right                                           | Cheek      | QPSK    | 1         | 0                          | 1916M      | 1:1      | 0.118             | 1.172                | 0.138  |     |
|                                                                                                   | SCC                  | 1750.20   | 132374 |      |                    |                                   |                          |               |                     |          |      |                                                 |            |         |           | 99                         |            |          |                   |                      |        |     |
| 2 CC Uplink<br>CA_66B                                                                             | PCC                  | 1775.00   | 132622 | High | LTE Band 66 (AWS)  | 10                                | 25.0                     | 24.19         | 13                  | 0.00     | 0    | Right                                           | Cheek      | QPSK    | 1         | 0                          | 1916M      | 1:1      | 0.125             | 1.205                | 0.151  | A14 |
|                                                                                                   | SCC                  | 1765.10   | 132523 |      |                    |                                   |                          |               |                     |          |      |                                                 |            |         |           | 49                         |            |          |                   |                      |        |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 25.0                     | 23.91         | 14                  | -0.21    | 0    | Right                                           | Tilt       | QPSK    | 1         | 99                         | 1916M      | 1:1      | 0.051             | 1.285                | 0.066  |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 24.0                     | 23.04         | 14                  | 0.00     | 1    | Right                                           | Tilt       | QPSK    | 50        | 25                         | 1916M      | 1:1      | 0.039             | 1.247                | 0.049  |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 25.0                     | 23.91         | 13                  | 0.00     | 0    | Left                                            | Cheek      | QPSK    | 1         | 99                         | 1916M      | 1:1      | 0.049             | 1.285                | 0.063  |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 24.0                     | 23.04         | 13                  | 0.02     | 1    | Left                                            | Cheek      | QPSK    | 50        | 25                         | 1916M      | 1:1      | 0.040             | 1.247                | 0.050  |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 25.0                     | 23.91         | 14                  | 0.18     | 0    | Left                                            | Tilt       | QPSK    | 1         | 99                         | 1916M      | 1:1      | 0.037             | 1.285                | 0.048  |     |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High | LTE Band 66 (AWS)  | 20                                | 24.0                     | 23.04         | 14                  | 0.00     | 1    | Left                                            | Tilt       | QPSK    | 50        | 25                         | 1916M      | 1:1      | 0.038             | 1.247                | 0.047  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |           |        |      |                    |                                   |                          |               |                     |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                            |            |          |                   |                      |        |     |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
| Page 165 of 337                             |                                                                                                                                                                                                        |                                 |

**Table 11-15**  
**LTE Band 25 (PCS) Head SAR - Open**

| MEASUREMENT RESULTS                      |       |      |                   |                             |                       |            |                  |          |      |                      |            |         |           |                      |            |          |                |                   |        |     |
|------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|------------|------------------|----------|------|----------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                |       | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Side | Test Position        | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                      | Ch.   |      |                   |                             |                       |            |                  |          |      |                      |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 25.0                  | 24.37      | 2                | 0.18     | 0    | Right                | Cheek      | QPSK    | 1         | 0                    | 0748M      | 1:1      | 0.104          | 1.156             | 0.120  | A15 |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 24.0                  | 23.40      | 2                | 0.01     | 1    | Right                | Cheek      | QPSK    | 50        | 25                   | 0748M      | 1:1      | 0.086          | 1.148             | 0.099  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 25.0                  | 24.37      | 21               | 0.01     | 0    | Right                | Tilt       | QPSK    | 1         | 0                    | 0748M      | 1:1      | 0.049          | 1.156             | 0.057  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 24.0                  | 23.40      | 21               | 0.02     | 1    | Right                | Tilt       | QPSK    | 50        | 25                   | 0748M      | 1:1      | 0.043          | 1.148             | 0.049  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 25.0                  | 24.37      | 2                | -0.04    | 0    | Left                 | Cheek      | QPSK    | 1         | 0                    | 0748M      | 1:1      | 0.104          | 1.156             | 0.120  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 24.0                  | 23.40      | 2                | 0.01     | 1    | Left                 | Cheek      | QPSK    | 50        | 25                   | 0748M      | 1:1      | 0.076          | 1.148             | 0.087  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 25.0                  | 24.37      | 21               | 0.13     | 0    | Left                 | Tilt       | QPSK    | 1         | 0                    | 0748M      | 1:1      | 0.073          | 1.156             | 0.084  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 24.0                  | 23.40      | 21               | 0.15     | 1    | Left                 | Tilt       | QPSK    | 50        | 25                   | 0748M      | 1:1      | 0.039          | 1.148             | 0.045  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |       |      |                   |                             |                       |            |                  |          |      | Head                 |            |         |           |                      |            |          |                |                   |        |     |
| Spatial Peak                             |       |      |                   |                             |                       |            |                  |          |      | 1.6 W/kg (mW/g)      |            |         |           |                      |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population |       |      |                   |                             |                       |            |                  |          |      | averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |     |

**Table 11-16**  
**LTE Band 30 Head SAR – Open**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |      |               |                                                 |         |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|---------------|-------------------------------------------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position | Modulation                                      | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |      |               |                                                 |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | 0.05     | 0    | Right         | Cheek                                           | QPSK    | 1         | 0                    | 0745M      | 1:1      | 0.028          | 1.148             | 0.032  |     |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | 0.07     | 1    | Right         | Cheek                                           | QPSK    | 25        | 0                    | 0745M      | 1:1      | 0.023          | 1.135             | 0.026  |     |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | 0.06     | 0    | Right         | Tilt                                            | QPSK    | 1         | 0                    | 0745M      | 1:1      | 0.015          | 1.148             | 0.017  |     |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | 0.09     | 1    | Right         | Tilt                                            | QPSK    | 25        | 0                    | 0745M      | 1:1      | 0.010          | 1.135             | 0.011  |     |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | 0.03     | 0    | Left          | Cheek                                           | QPSK    | 1         | 0                    | 0745M      | 1:1      | 0.037          | 1.148             | 0.042  | A16 |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | 0.04     | 1    | Left          | Cheek                                           | QPSK    | 25        | 0                    | 0745M      | 1:1      | 0.028          | 1.135             | 0.032  |     |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | 0.02     | 0    | Left          | Tilt                                            | QPSK    | 1         | 0                    | 0745M      | 1:1      | 0.011          | 1.148             | 0.013  |     |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | 0.03     | 1    | Left          | Tilt                                            | QPSK    | 25        | 0                    | 0745M      | 1:1      | 0.006          | 1.135             | 0.007  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  |          |      |               | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |                      |            |          |                |                   |        |     |

**Table 11-17**  
**LTE Band 7 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |      |               |                                                 |         |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|---------------|-------------------------------------------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position | Modulation                                      | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |      |               |                                                 |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7      | 20                          | 25.0                  | 24.02            | -0.02    | 0    | Right         | Cheek                                           | QPSK    | 1         | 0                    | 0126M      | 1:1      | 0.045          | 1.253             | 0.056  | A17 |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7      | 20                          | 24.0                  | 23.08            | 0.08     | 1    | Right         | Cheek                                           | QPSK    | 50        | 25                   | 0126M      | 1:1      | 0.032          | 1.236             | 0.040  |     |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7      | 20                          | 25.0                  | 24.02            | 0.09     | 0    | Right         | Tilt                                            | QPSK    | 1         | 0                    | 0126M      | 1:1      | 0.013          | 1.253             | 0.016  |     |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7      | 20                          | 24.0                  | 23.08            | 0.02     | 1    | Right         | Tilt                                            | QPSK    | 50        | 25                   | 0126M      | 1:1      | 0.005          | 1.236             | 0.006  |     |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7      | 20                          | 25.0                  | 24.02            | -0.01    | 0    | Left          | Cheek                                           | QPSK    | 1         | 0                    | 0126M      | 1:1      | 0.030          | 1.253             | 0.038  |     |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7      | 20                          | 24.0                  | 23.08            | 0.10     | 1    | Left          | Cheek                                           | QPSK    | 50        | 25                   | 0126M      | 1:1      | 0.026          | 1.236             | 0.032  |     |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7      | 20                          | 25.0                  | 24.02            | 0.06     | 0    | Left          | Tilt                                            | QPSK    | 1         | 0                    | 0126M      | 1:1      | 0.005          | 1.253             | 0.006  |     |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7      | 20                          | 24.0                  | 23.08            | 0.10     | 1    | Left          | Tilt                                            | QPSK    | 50        | 25                   | 0126M      | 1:1      | 0.004          | 1.236             | 0.005  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  |          |      |               | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |                      |            |          |                |                   |        |     |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |                 |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------|
| FCC ID: A3LSMF711U                          | <div><b>PCTEST</b><br/><small>Proud to be part of  element</small></div> <div>SAR EVALUATION REPORT</div> <div></div> <div>Approved by:<br/>Quality Manager</div> |                               |                 |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                                                                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 166 of 337 |

**Table 11-18**  
**LTE Band 48 Head SAR - Open**

| MEASUREMENT RESULTS                      |                      |           |       |          |                    |                                   |                          |                     |          |      |                  |                      |         |           |                            |            |          |                   |                      |        |     |
|------------------------------------------|----------------------|-----------|-------|----------|--------------------|-----------------------------------|--------------------------|---------------------|----------|------|------------------|----------------------|---------|-----------|----------------------------|------------|----------|-------------------|----------------------|--------|-----|
| 1 CC Uplink  <br>2 CC Uplink             | Component<br>Carrier | FREQUENCY |       | Mode     | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB] | Side | Test<br>Position | Modulation           | RB Size | RB Offset | Device<br>Serial<br>Number | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |     |
|                                          |                      | MHz       | Ch.   |          |                    |                                   |                          |                     |          |      |                  |                      |         |           |                            |            | (W/kg)   |                   | (W/kg)               |        |     |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.23               | 0.00     | 0    | Right            | Cheek                | QPSK    | 1         | 0                          | 0881M      | 1:1.58   | 0.502             | 1.194                | 0.599  |     |
| 1 CC Uplink                              | N/A                  | 3560.00   | 55340 | Low      | LTE Band 48        | 20                                | 18.0                     | 17.11               | 0.00     | 0    | Right            | Cheek                | QPSK    | 50        | 50                         | 0881M      | 1:1.58   | 0.347             | 1.227                | 0.426  |     |
| 1 CC Uplink                              | N/A                  | 3603.30   | 55773 | Low-Mid  | LTE Band 48        | 20                                | 18.0                     | 17.12               | 0.02     | 0    | Right            | Cheek                | QPSK    | 50        | 50                         | 0881M      | 1:1.58   | 0.394             | 1.225                | 0.483  |     |
| 1 CC Uplink                              | N/A                  | 3646.70   | 56207 | Mid-High | LTE Band 48        | 20                                | 18.0                     | 17.21               | 0.01     | 0    | Right            | Cheek                | QPSK    | 50        | 50                         | 0881M      | 1:1.58   | 0.457             | 1.199                | 0.548  |     |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.22               | 0.01     | 0    | Right            | Cheek                | QPSK    | 50        | 0                          | 0881M      | 1:1.58   | 0.512             | 1.197                | 0.613  | A18 |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.21               | 0.02     | 0    | Right            | Cheek                | QPSK    | 100       | 0                          | 0881M      | 1:1.58   | 0.505             | 1.199                | 0.605  |     |
| 2 CC Uplink                              | PCC                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.27               | 0.01     | 0    | Right            | Cheek                | QPSK    | 50        | 0                          | 0881M      | 1:1.58   | 0.493             | 1.183                | 0.583  |     |
|                                          | SCC                  | 3670.20   | 56442 |          |                    |                                   |                          |                     |          |      |                  |                      |         | 50        | 50                         |            |          |                   |                      |        |     |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.23               | 0.00     | 0    | Right            | Tilt                 | QPSK    | 1         | 0                          | 0881M      | 1:1.58   | 0.358             | 1.194                | 0.427  |     |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.22               | 0.00     | 0    | Right            | Tilt                 | QPSK    | 50        | 0                          | 0881M      | 1:1.58   | 0.373             | 1.197                | 0.446  |     |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.23               | 0.00     | 0    | Left             | Cheek                | QPSK    | 1         | 0                          | 0881M      | 1:1.58   | 0.373             | 1.194                | 0.445  |     |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.22               | 0.00     | 0    | Left             | Cheek                | QPSK    | 50        | 0                          | 0881M      | 1:1.58   | 0.370             | 1.197                | 0.443  |     |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.23               | 0.00     | 0    | Left             | Tilt                 | QPSK    | 1         | 0                          | 0881M      | 1:1.58   | 0.266             | 1.194                | 0.318  |     |
| 1 CC Uplink                              | N/A                  | 3690.00   | 56640 | High     | LTE Band 48        | 20                                | 18.0                     | 17.22               | 0.01     | 0    | Left             | Tilt                 | QPSK    | 50        | 0                          | 0881M      | 1:1.58   | 0.258             | 1.197                | 0.309  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |                      |           |       |          |                    |                                   |                          |                     |          |      |                  | Head                 |         |           |                            |            |          |                   |                      |        |     |
| Spatial Peak                             |                      |           |       |          |                    |                                   |                          |                     |          |      |                  | 1.6 W/kg (mW/g)      |         |           |                            |            |          |                   |                      |        |     |
| Uncontrolled Exposure/General Population |                      |           |       |          |                    |                                   |                          |                     |          |      |                  | averaged over 1 gram |         |           |                            |            |          |                   |                      |        |     |

**Table 11-19**  
**LTE Band 41 Head SAR - Open**

| 1 CC Uplink   2 CC Uplink,<br>Power Class | Component<br>Carrier | FREQUENCY |       | Mode | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB] | Side | Test<br>Position | Modulation           | RB Size | RB Offset | Device<br>Serial<br>Number | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |     |
|-------------------------------------------|----------------------|-----------|-------|------|--------------------|-----------------------------------|--------------------------|---------------------|----------|------|------------------|----------------------|---------|-----------|----------------------------|------------|----------|-------------------|----------------------|--------|-----|
|                                           |                      | MHz       | Ch.   |      |                    |                                   |                          |                     |          |      |                  |                      |         |           |                            |            | (W/kg)   |                   | (W/kg)               |        |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.54               | 0.05     | 0    | Right            | Cheek                | QPSK    | 1         | 50                         | 0123M      | 1:1.58   | 0.074             | 1.247                | 0.092  |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 24.5                     | 23.60               | 0.05     | 1    | Right            | Cheek                | QPSK    | 50        | 50                         | 0123M      | 1:1.58   | 0.051             | 1.230                | 0.063  |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.54               | 0.07     | 0    | Right            | Tilt                 | QPSK    | 1         | 50                         | 0123M      | 1:1.58   | 0.042             | 1.247                | 0.052  |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 24.5                     | 23.60               | 0.08     | 1    | Right            | Tilt                 | QPSK    | 50        | 50                         | 0123M      | 1:1.58   | 0.031             | 1.230                | 0.038  |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.12               | 0.04     | 0    | Left             | Cheek                | QPSK    | 1         | 0                          | 0123M      | 1:1.58   | 0.072             | 1.374                | 0.099  |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.54               | 0.10     | 0    | Left             | Cheek                | QPSK    | 1         | 50                         | 0123M      | 1:1.58   | 0.080             | 1.247                | 0.100  |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 24.5                     | 23.60               | 0.02     | 1    | Left             | Cheek                | QPSK    | 50        | 50                         | 0123M      | 1:1.58   | 0.077             | 1.230                | 0.095  |     |
| 1 CC Uplink - Power Class 2               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 28.0                     | 26.51               | 0.00     | 0    | Left             | Cheek                | QPSK    | 1         | 0                          | 0123M      | 1:2.31   | 0.084             | 1.409                | 0.118  |     |
| 1 CC Uplink - Power Class 2               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 28.0                     | 26.99               | 0.10     | 0    | Left             | Cheek                | QPSK    | 1         | 50                         | 0123M      | 1:2.31   | 0.096             | 1.262                | 0.121  | A19 |
| 2 CC Uplink - Power Class 3               | PCC                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.85               | 0.18     | 0    | Left             | Cheek                | QPSK    | 1         | 0                          | 0123M      | 1:1.58   | 0.081             | 1.161                | 0.094  |     |
|                                           | SCC                  | 2660.20   | 41292 |      |                    |                                   |                          |                     |          |      |                  |                      |         |           | 99                         |            |          |                   |                      |        |     |
| 2 CC Uplink - Power Class 2               | PCC                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 28.0                     | 26.67               | 0.15     | 0    | Left             | Cheek                | QPSK    | 1         | 0                          | 0123M      | 1:2.31   | 0.080             | 1.358                | 0.109  |     |
|                                           | SCC                  | 2660.20   | 41292 |      |                    |                                   |                          |                     |          |      |                  |                      |         |           | 99                         |            |          |                   |                      |        |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.54               | 0.07     | 0    | Left             | Tilt                 | QPSK    | 1         | 50                         | 0123M      | 1:1.58   | 0.044             | 1.247                | 0.055  |     |
| 1 CC Uplink - Power Class 3               | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 24.5                     | 23.60               | 0.06     | 1    | Left             | Tilt                 | QPSK    | 50        | 50                         | 0123M      | 1:1.58   | 0.034             | 1.230                | 0.042  |     |
|                                           |                      |           |       |      |                    |                                   |                          |                     |          |      |                  | Head                 |         |           |                            |            |          |                   |                      |        |     |
|                                           |                      |           |       |      |                    |                                   |                          |                     |          |      |                  | 1.6 W/kg (mW/g)      |         |           |                            |            |          |                   |                      |        |     |
|                                           |                      |           |       |      |                    |                                   |                          |                     |          |      |                  | averaged over 1 gram |         |           |                            |            |          |                   |                      |        |     |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 167 of 337                 |

**Table 11-20**  
**NR Band n71 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |      |                                                 |            |          |            |         |           |               |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|----------|------------|---------|-----------|---------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Tune State | Waveform | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |      |                                                 |            |          |            |         |           |               |            | (W/kg)   |                | (W/kg)            |        |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.5                  | 24.19            | -0.01    | 0    | Right                                           | Cheek      | 0        | DFT-S-OFDM | QPSK    | 1         | 1             | 0175M      | 1:1      | 0.138          | 1.352             | 0.187  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.5                  | 24.22            | -0.04    | 0    | Right                                           | Cheek      | 0        | DFT-S-OFDM | QPSK    | 50        | 28            | 0175M      | 1:1      | 0.188          | 1.343             | 0.252  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.5                  | 24.19            | 0.02     | 0    | Right                                           | Tilt       | 4        | DFT-S-OFDM | QPSK    | 1         | 1             | 0175M      | 1:1      | 0.071          | 1.352             | 0.096  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.5                  | 24.22            | 0.00     | 0    | Right                                           | Tilt       | 4        | DFT-S-OFDM | QPSK    | 50        | 28            | 0175M      | 1:1      | 0.085          | 1.343             | 0.114  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.5                  | 24.19            | 0.02     | 0    | Left                                            | Cheek      | 0        | DFT-S-OFDM | QPSK    | 1         | 1             | 0175M      | 1:1      | 0.190          | 1.352             | 0.257  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.5                  | 24.22            | 0.02     | 0    | Left                                            | Cheek      | 0        | DFT-S-OFDM | QPSK    | 50        | 28            | 0175M      | 1:1      | 0.208          | 1.343             | 0.279  | A20 |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 23.21            | 0.01     | 1.5  | Left                                            | Cheek      | 0        | CP-OFDM    | QPSK    | 1         | 1             | 0175M      | 1:1      | 0.126          | 1.199             | 0.151  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.5                  | 24.19            | 0.02     | 0    | Left                                            | Tilt       | 4        | DFT-S-OFDM | QPSK    | 1         | 1             | 0175M      | 1:1      | 0.106          | 1.352             | 0.143  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.5                  | 24.22            | 0.01     | 0    | Left                                            | Tilt       | 4        | DFT-S-OFDM | QPSK    | 50        | 28            | 0175M      | 1:1      | 0.106          | 1.343             | 0.142  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |          |            |         |           |               |            |          |                |                   |        |     |

**Table 11-21**  
**NR Band n12 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |      |                                                 |            |          |            |         |           |               |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|----------|------------|---------|-----------|---------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Tune State | Waveform | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |      |                                                 |            |          |            |         |           |               |            | (W/kg)   |                | (W/kg)            |        |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 25.5                  | 23.95            | 0.02     | 0    | Right                                           | Cheek      | 0        | DFT-S-OFDM | QPSK    | 1         | 1             | 0177M      | 1:1      | 0.208          | 1.429             | 0.297  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 25.5                  | 24.03            | 0.01     | 0    | Right                                           | Cheek      | 0        | DFT-S-OFDM | QPSK    | 36        | 22            | 0177M      | 1:1      | 0.212          | 1.403             | 0.297  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 25.5                  | 23.95            | 0.02     | 0    | Right                                           | Tilt       | 0        | DFT-S-OFDM | QPSK    | 1         | 1             | 0177M      | 1:1      | 0.104          | 1.429             | 0.149  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 25.5                  | 24.03            | 0.02     | 0    | Right                                           | Tilt       | 0        | DFT-S-OFDM | QPSK    | 36        | 22            | 0177M      | 1:1      | 0.108          | 1.403             | 0.152  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 25.5                  | 23.95            | 0.00     | 0    | Left                                            | Cheek      | 0        | DFT-S-OFDM | QPSK    | 1         | 1             | 0177M      | 1:1      | 0.234          | 1.429             | 0.334  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 25.5                  | 24.03            | 0.02     | 0    | Left                                            | Cheek      | 0        | DFT-S-OFDM | QPSK    | 36        | 22            | 0177M      | 1:1      | 0.242          | 1.403             | 0.340  | A21 |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 23.12            | 0.02     | 1.5  | Left                                            | Cheek      | 0        | CP-OFDM    | QPSK    | 1         | 1             | 0177M      | 1:1      | 0.177          | 1.225             | 0.217  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 25.5                  | 23.95            | 0.09     | 0    | Left                                            | Tilt       | 0        | DFT-S-OFDM | QPSK    | 1         | 1             | 0177M      | 1:1      | 0.102          | 1.429             | 0.146  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 25.5                  | 24.03            | 0.02     | 0    | Left                                            | Tilt       | 0        | DFT-S-OFDM | QPSK    | 36        | 22            | 0177M      | 1:1      | 0.131          | 1.403             | 0.184  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |          |            |         |           |               |            |          |                |                   |        |     |

**Table 11-22**  
**NR Band n5 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                  |          |      |                                                 |            |          |            |         |           |               |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|----------|------------|---------|-----------|---------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Tune State | Waveform | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                  |          |      |                                                 |            |          |            |         |           |               |            | (W/kg)   |                | (W/kg)            |        |     |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.80            | 0.01     | 0    | Right                                           | Cheek      | 0        | DFT-S-OFDM | QPSK    | 1         | 53            | 0183M      | 1:1      | 0.228          | 1.413             | 0.322  | A22 |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.84            | 0.03     | 0    | Right                                           | Cheek      | 0        | DFT-S-OFDM | QPSK    | 50        | 28            | 0183M      | 1:1      | 0.225          | 1.400             | 0.315  |     |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 23.8                  | 22.62            | 0.01     | 1.5  | Right                                           | Cheek      | 0        | CP-OFDM    | QPSK    | 1         | 1             | 0183M      | 1:1      | 0.129          | 1.312             | 0.169  |     |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.80            | 0.08     | 0    | Right                                           | Tilt       | 2        | DFT-S-OFDM | QPSK    | 1         | 53            | 0183M      | 1:1      | 0.120          | 1.413             | 0.170  |     |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.84            | 0.01     | 0    | Right                                           | Tilt       | 2        | DFT-S-OFDM | QPSK    | 50        | 28            | 0183M      | 1:1      | 0.122          | 1.400             | 0.171  |     |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.80            | 0.01     | 0    | Left                                            | Cheek      | 2        | DFT-S-OFDM | QPSK    | 1         | 53            | 0183M      | 1:1      | 0.205          | 1.413             | 0.290  |     |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.84            | 0.01     | 0    | Left                                            | Cheek      | 2        | DFT-S-OFDM | QPSK    | 50        | 28            | 0183M      | 1:1      | 0.199          | 1.400             | 0.279  |     |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.80            | 0.20     | 0    | Left                                            | Tilt       | 2        | DFT-S-OFDM | QPSK    | 1         | 53            | 0183M      | 1:1      | 0.120          | 1.413             | 0.170  |     |
| 836.50                                                                                            | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.84            | 0.10     | 0    | Left                                            | Tilt       | 2        | DFT-S-OFDM | QPSK    | 50        | 28            | 0183M      | 1:1      | 0.121          | 1.400             | 0.169  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |          |            |         |           |               |            |          |                |                   |        |     |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 168 of 337                 |

**Table 11-23**  
**NR Band n66 Head SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                |                  |          |      |                                                 |            |          |            |         |           |               |            |          |                |                   |         |     |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------|------|-------------------------------------------------|------------|----------|------------|---------|-----------|---------------|------------|----------|----------------|-------------------|---------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Tune State | Waveform | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Pilot # |     |
| MHz                                      | Ch.    |      |                   |                             |                       |                |                  |          |      |                                                 |            |          |            |         |           |               |            | (W/kg)   |                | (W/kg)            |         |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.00     | 0    | Right                                           | Cheek      | 13       | DFT-S-OFDM | QPSK    | 1         | 214           | 0218M      | 1:1      | 0.108          | 1.148             | 0.124   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | -0.03    | 0    | Right                                           | Cheek      | 13       | DFT-S-OFDM | QPSK    | 108       | 54            | 0218M      | 1:1      | 0.121          | 1.161             | 0.140   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 23.0                  | 22.22          | A                | -0.21    | 1.5  | Right                                           | Cheek      | 13       | CP-OFDM    | QPSK    | 1         | 1             | 0218M      | 1:1      | 0.082          | 1.197             | 0.098   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.03     | 0    | Right                                           | Tilt       | 14       | DFT-S-OFDM | QPSK    | 1         | 214           | 0218M      | 1:1      | 0.041          | 1.148             | 0.047   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | 0.00     | 0    | Right                                           | Tilt       | 14       | DFT-S-OFDM | QPSK    | 108       | 54            | 0218M      | 1:1      | 0.049          | 1.161             | 0.057   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.02     | 0    | Left                                            | Cheek      | 13       | DFT-S-OFDM | QPSK    | 1         | 214           | 0218M      | 1:1      | 0.063          | 1.148             | 0.072   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | 0.03     | 0    | Left                                            | Cheek      | 13       | DFT-S-OFDM | QPSK    | 108       | 54            | 0218M      | 1:1      | 0.058          | 1.161             | 0.067   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.10     | 0    | Left                                            | Tilt       | 14       | DFT-S-OFDM | QPSK    | 1         | 214           | 0218M      | 1:1      | 0.034          | 1.148             | 0.039   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | 0.02     | 0    | Left                                            | Tilt       | 14       | DFT-S-OFDM | QPSK    | 108       | 54            | 0218M      | 1:1      | 0.053          | 1.161             | 0.062   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 16.99          | I                | -0.12    | 0    | Right                                           | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 1         | 1             | 0879M      | 1:1      | 0.376          | 1.262             | 0.475   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 17.06          | I                | -0.01    | 0    | Right                                           | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 108       | 0             | 0879M      | 1:1      | 0.359          | 1.242             | 0.446   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 16.99          | I                | 0.01     | 0    | Right                                           | Tilt       | N/A      | DFT-S-OFDM | QPSK    | 1         | 1             | 0879M      | 1:1      | 0.074          | 1.262             | 0.093   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 17.06          | I                | 0.00     | 0    | Right                                           | Tilt       | N/A      | DFT-S-OFDM | QPSK    | 108       | 0             | 0879M      | 1:1      | 0.073          | 1.242             | 0.091   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 16.99          | I                | 0.00     | 0    | Left                                            | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 1         | 1             | 0879M      | 1:1      | 0.784          | 1.262             | 0.989   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 17.06          | I                | -0.02    | 0    | Left                                            | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 108       | 0             | 0879M      | 1:1      | 0.773          | 1.242             | 0.960   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 16.98          | I                | 0.02     | 0    | Left                                            | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 216       | 0             | 0879M      | 1:1      | 0.761          | 1.265             | 0.963   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 17.02          | I                | 0.00     | 0    | Left                                            | Cheek      | N/A      | CP-OFDM    | QPSK    | 1         | 1             | 0879M      | 1:1      | 0.813          | 1.253             | 1.019   | A23 |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 16.99          | I                | 0.00     | 0    | Left                                            | Tilt       | N/A      | DFT-S-OFDM | QPSK    | 1         | 1             | 0879M      | 1:1      | 0.157          | 1.262             | 0.198   |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.0                  | 17.06          | I                | 0.00     | 0    | Left                                            | Tilt       | N/A      | DFT-S-OFDM | QPSK    | 108       | 0             | 0879M      | 1:1      | 0.152          | 1.242             | 0.189   |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |          |            |         |           |               |            |          |                |                   |         |     |
| Spatial Peak                             |        |      |                   |                             |                       |                |                  |          |      |                                                 |            |          |            |         |           |               |            |          |                |                   |         |     |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  |          |      |                                                 |            |          |            |         |           |               |            |          |                |                   |         |     |

**Table 11-24**  
**NR Band n25 Head SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                |                  |          |      |                      |            |          |            |         |           |               |            |          |                |                   |         |     |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------|------|----------------------|------------|----------|------------|---------|-----------|---------------|------------|----------|----------------|-------------------|---------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Side | Test Position        | Tune State | Waveform | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Pilot # |     |
| MHz                                      | Ch.    |      |                   |                             |                       |                |                  |          |      |                      |            |          |            |         |           |               |            | (W/kg)   |                | (W/kg)            |         |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.16     | 0    | Right                | Cheek      | 2        | DFT-S-OFDM | QPSK    | 1         | 214           | 0195M      | 1:1      | 0.068          | 1.194             | 0.081   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | 0.00     | 0    | Right                | Cheek      | 2        | DFT-S-OFDM | QPSK    | 108       | 54            | 0195M      | 1:1      | 0.067          | 1.259             | 0.084   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.02     | 0    | Right                | Tilt       | 21       | DFT-S-OFDM | QPSK    | 1         | 214           | 0195M      | 1:1      | 0.036          | 1.194             | 0.043   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | 0.00     | 0    | Right                | Tilt       | 21       | DFT-S-OFDM | QPSK    | 108       | 54            | 0195M      | 1:1      | 0.042          | 1.259             | 0.053   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.00     | 0    | Left                 | Cheek      | 2        | DFT-S-OFDM | QPSK    | 1         | 214           | 0195M      | 1:1      | 0.073          | 1.194             | 0.087   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | 0.02     | 0    | Left                 | Cheek      | 2        | DFT-S-OFDM | QPSK    | 108       | 54            | 0195M      | 1:1      | 0.079          | 1.259             | 0.099   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.0                  | 22.16          | A                | 0.00     | 1.5  | Left                 | Cheek      | 2        | CP-OFDM    | QPSK    | 1         | 1             | 0195M      | 1:1      | 0.062          | 1.213             | 0.075   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.00     | 0    | Left                 | Tilt       | 21       | DFT-S-OFDM | QPSK    | 1         | 214           | 0195M      | 1:1      | 0.035          | 1.194             | 0.042   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | 0.00     | 0    | Left                 | Tilt       | 21       | DFT-S-OFDM | QPSK    | 108       | 54            | 0195M      | 1:1      | 0.035          | 1.259             | 0.044   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.01     | 0    | Right                | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 1         | 214           | 0818M      | 1:1      | 0.255          | 1.000             | 0.255   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.07     | 0    | Right                | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 108       | 54            | 0818M      | 1:1      | 0.297          | 1.007             | 0.299   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.13     | 0    | Right                | Tilt       | N/A      | DFT-S-OFDM | QPSK    | 1         | 214           | 0818M      | 1:1      | 0.075          | 1.000             | 0.075   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.14     | 0    | Right                | Tilt       | N/A      | DFT-S-OFDM | QPSK    | 108       | 54            | 0818M      | 1:1      | 0.087          | 1.007             | 0.088   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.02     | 0    | Left                 | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 1         | 214           | 0818M      | 1:1      | 0.765          | 1.000             | 0.765   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.19     | 0    | Left                 | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 108       | 54            | 0818M      | 1:1      | 0.849          | 1.007             | 0.855   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.96          | I                | 0.15     | 0    | Left                 | Cheek      | N/A      | DFT-S-OFDM | QPSK    | 216       | 0             | 0818M      | 1:1      | 0.853          | 1.009             | 0.861   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.82          | I                | 0.02     | 0    | Left                 | Cheek      | N/A      | CP-OFDM    | QPSK    | 1         | 1             | 0818M      | 1:1      | 0.918          | 1.042             | 0.957   | A24 |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.20     | 0    | Left                 | Tilt       | N/A      | DFT-S-OFDM | QPSK    | 1         | 214           | 0818M      | 1:1      | 0.130          | 1.000             | 0.130   |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.01     | 0    | Left                 | Tilt       | N/A      | DFT-S-OFDM | QPSK    | 108       | 54            | 0818M      | 1:1      | 0.143          | 1.007             | 0.144   |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                |                  |          |      | Head                 |            |          |            |         |           |               |            |          |                |                   |         |     |
| Spatial Peak                             |        |      |                   |                             |                       |                |                  |          |      | 1.6 W/kg (mW/g)      |            |          |            |         |           |               |            |          |                |                   |         |     |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  |          |      | averaged over 1 gram |            |          |            |         |           |               |            |          |                |                   |         |     |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 169 of 337                 |

**Table 11-25**  
**NR Band n30 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |      |                                                 |          |            |         |           |               |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|----------|------------|---------|-----------|---------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Waveform | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |      |                                                 |          |            |         |           |               |            | (W/kg)   |                | (W/kg)            |        |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.01     | 0    | Right                                           | Cheek    | DFT-S-OFDM | QPSK    | 1         | 26            | 0181M      | 1:1      | 0.038          | 1.194             | 0.045  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.06     | 0    | Right                                           | Cheek    | DFT-S-OFDM | QPSK    | 25        | 14            | 0181M      | 1:1      | 0.039          | 1.271             | 0.050  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.00     | 0    | Right                                           | Tilt     | DFT-S-OFDM | QPSK    | 1         | 26            | 0181M      | 1:1      | 0.020          | 1.194             | 0.024  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.00     | 0    | Right                                           | Tilt     | DFT-S-OFDM | QPSK    | 25        | 14            | 0181M      | 1:1      | 0.019          | 1.271             | 0.024  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.09     | 0    | Left                                            | Cheek    | DFT-S-OFDM | QPSK    | 1         | 26            | 0181M      | 1:1      | 0.069          | 1.194             | 0.082  | A25 |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.00     | 0    | Left                                            | Cheek    | DFT-S-OFDM | QPSK    | 25        | 14            | 0181M      | 1:1      | 0.058          | 1.271             | 0.074  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 22.0                  | 21.15            | 0.00     | 1.5  | Left                                            | Cheek    | CP-OFDM    | QPSK    | 1         | 1             | 0181M      | 1:1      | 0.006          | 1.216             | 0.007  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.02     | 0    | Left                                            | Tilt     | DFT-S-OFDM | QPSK    | 1         | 26            | 0181M      | 1:1      | 0.012          | 1.194             | 0.014  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.02     | 0    | Left                                            | Tilt     | DFT-S-OFDM | QPSK    | 25        | 14            | 0181M      | 1:1      | 0.015          | 1.271             | 0.019  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |            |         |           |               |            |          |                |                   |        |     |

**Table 11-26**  
**NR Band n41 Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |      |                                                 |          |            |         |           |               |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|----------|------------|---------|-----------|---------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Waveform | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |      |                                                 |          |            |         |           |               |            | (W/kg)   |                | (W/kg)            |        |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.52            | 0.02     | 0    | Right                                           | Cheek    | DFT-S-OFDM | QPSK    | 1         | 1             | 0897M      | 1:1      | 0.287          | 1.117             | 0.321  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.49            | 0.03     | 0    | Right                                           | Cheek    | DFT-S-OFDM | QPSK    | 135       | 0             | 0897M      | 1:1      | 0.265          | 1.125             | 0.298  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.52            | 0.01     | 0    | Right                                           | Tilt     | DFT-S-OFDM | QPSK    | 1         | 1             | 0897M      | 1:1      | 0.061          | 1.117             | 0.068  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.49            | 0.01     | 0    | Right                                           | Tilt     | DFT-S-OFDM | QPSK    | 135       | 0             | 0897M      | 1:1      | 0.056          | 1.125             | 0.063  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.52            | 0.01     | 0    | Left                                            | Cheek    | DFT-S-OFDM | QPSK    | 1         | 1             | 0897M      | 1:1      | 0.915          | 1.117             | 1.022  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.49            | 0.01     | 0    | Left                                            | Cheek    | DFT-S-OFDM | QPSK    | 135       | 0             | 0897M      | 1:1      | 0.842          | 1.125             | 0.947  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.48            | 0.01     | 0    | Left                                            | Cheek    | DFT-S-OFDM | QPSK    | 270       | 0             | 0897M      | 1:1      | 0.743          | 1.127             | 0.837  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.51            | -0.01    | 0    | Left                                            | Cheek    | CP-OFDM    | QPSK    | 1         | 1             | 0897M      | 1:1      | 0.940          | 1.119             | 1.052  | A26 |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.52            | 0.02     | 0    | Left                                            | Tilt     | DFT-S-OFDM | QPSK    | 1         | 1             | 0897M      | 1:1      | 0.178          | 1.117             | 0.199  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 16.0                  | 15.49            | 0.02     | 0    | Left                                            | Tilt     | DFT-S-OFDM | QPSK    | 135       | 0             | 0897M      | 1:1      | 0.165          | 1.125             | 0.186  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |            |         |           |               |            |          |                |                   |        |     |

|                                             |                                                                                                                                                                                                                                                                                              |                               |                 |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <div><b>PCTEST</b><br/><small>Proud to be part of element</small></div> <div>SAR EVALUATION REPORT</div> <div></div> |                               |                 | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 170 of 337 |                                 |

**Table 11-27**  
**NR Band n77 DoD Head SAR - Open**

| MEASUREMENT RESULTS                      |        |        |             |                 |                             |                       |                |                  |          |       |                      |            |            |         |           |               |            |                 |                |                   |        |
|------------------------------------------|--------|--------|-------------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|-------|----------------------|------------|------------|---------|-----------|---------------|------------|-----------------|----------------|-------------------|--------|
| FREQUENCY                                |        |        | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Side  | Test Position        | Waveform   | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) (W/kg) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                      | Ch.    | (W/kg) |             |                 |                             |                       |                |                  |          |       |                      |            |            |         |           |               |            |                 |                |                   |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.86                 | F              | 0.00             | 0        | Right | Cheek                | DFT-S-OFDM | QPSK       | 1       | 137       | 0831M         | 1:1        | 0.468           | 1.300          | 0.608             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.83                 | F              | 0.00             | 0        | Right | Cheek                | DFT-S-OFDM | QPSK       | 135     | 138       | 0831M         | 1:1        | 0.477           | 1.309          | 0.624             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.73                 | F              | 0.11             | 0        | Right | Cheek                | CP-OFDM    | QPSK       | 1       | 1         | 0831M         | 1:1        | 0.491           | 1.340          | 0.658             | A27    |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.86                 | F              | 0.00             | 0        | Right | Tilt                 | DFT-S-OFDM | QPSK       | 1       | 137       | 0831M         | 1:1        | 0.336           | 1.300          | 0.437             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.83                 | F              | 0.00             | 0        | Right | Tilt                 | DFT-S-OFDM | QPSK       | 135     | 138       | 0831M         | 1:1        | 0.332           | 1.309          | 0.435             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.86                 | F              | 0.00             | 0        | Left  | Cheek                | DFT-S-OFDM | QPSK       | 1       | 137       | 0831M         | 1:1        | 0.099           | 1.300          | 0.129             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.83                 | F              | 0.00             | 0        | Left  | Cheek                | DFT-S-OFDM | QPSK       | 135     | 138       | 0831M         | 1:1        | 0.100           | 1.309          | 0.131             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.86                 | F              | 0.02             | 0        | Left  | Tilt                 | DFT-S-OFDM | QPSK       | 1       | 137       | 0831M         | 1:1        | 0.075           | 1.300          | 0.098             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 16.0                        | 14.83                 | F              | 0.02             | 0        | Left  | Tilt                 | DFT-S-OFDM | QPSK       | 135     | 138       | 0831M         | 1:1        | 0.078           | 1.309          | 0.102             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.94                 | I              | 0.00             | 0        | Right | Cheek                | DFT-S-OFDM | QPSK       | 1       | 137       | 0647M         | 1:1        | 0.217           | 1.276          | 0.277             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.98                 | I              | 0.01             | 0        | Right | Cheek                | DFT-S-OFDM | QPSK       | 135     | 69        | 0647M         | 1:1        | 0.215           | 1.265          | 0.272             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.94                 | I              | 0.00             | 0        | Right | Tilt                 | DFT-S-OFDM | QPSK       | 1       | 137       | 0647M         | 1:1        | 0.020           | 1.276          | 0.026             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.98                 | I              | 0.04             | 0        | Right | Tilt                 | DFT-S-OFDM | QPSK       | 135     | 69        | 0647M         | 1:1        | 0.021           | 1.265          | 0.027             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.94                 | I              | 0.01             | 0        | Left  | Cheek                | DFT-S-OFDM | QPSK       | 1       | 137       | 0647M         | 1:1        | 0.304           | 1.276          | 0.388             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.98                 | I              | 0.02             | 0        | Left  | Cheek                | DFT-S-OFDM | QPSK       | 135     | 69        | 0647M         | 1:1        | 0.305           | 1.265          | 0.386             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.51                 | I              | 0.00             | 0        | Left  | Cheek                | CP-OFDM    | QPSK       | 1       | 1         | 0647M         | 1:1        | 0.325           | 1.409          | 0.458             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.94                 | I              | 0.00             | 0        | Left  | Tilt                 | DFT-S-OFDM | QPSK       | 1       | 137       | 0647M         | 1:1        | 0.059           | 1.276          | 0.075             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.98                 | I              | 0.00             | 0        | Left  | Tilt                 | DFT-S-OFDM | QPSK       | 135     | 69        | 0647M         | 1:1        | 0.060           | 1.265          | 0.076             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.46                 | E              | 0.00             | 0        | Right | Cheek                | DFT-S-OFDM | QPSK       | 1       | 137       | 0831M         | 1:1        | 0.290           | 1.426          | 0.414             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.44                 | E              | 0.00             | 0        | Right | Cheek                | DFT-S-OFDM | QPSK       | 135     | 69        | 0831M         | 1:1        | 0.282           | 1.432          | 0.404             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.46                 | E              | 0.00             | 0        | Right | Tilt                 | DFT-S-OFDM | QPSK       | 1       | 137       | 0831M         | 1:1        | 0.042           | 1.426          | 0.060             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.44                 | E              | 0.00             | 0        | Right | Tilt                 | DFT-S-OFDM | QPSK       | 135     | 69        | 0831M         | 1:1        | 0.040           | 1.432          | 0.057             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.46                 | E              | 0.00             | 0        | Left  | Cheek                | DFT-S-OFDM | QPSK       | 1       | 137       | 0831M         | 1:1        | 0.348           | 1.426          | 0.496             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.44                 | E              | 0.00             | 0        | Left  | Cheek                | DFT-S-OFDM | QPSK       | 135     | 69        | 0831M         | 1:1        | 0.346           | 1.432          | 0.495             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.31                 | E              | 0.00             | 0        | Left  | Cheek                | CP-OFDM    | QPSK       | 1       | 1         | 0831M         | 1:1        | 0.328           | 1.476          | 0.484             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.46                 | E              | 0.01             | 0        | Left  | Tilt                 | DFT-S-OFDM | QPSK       | 1       | 137       | 0831M         | 1:1        | 0.031           | 1.426          | 0.044             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 14.0                        | 12.44                 | E              | 0.00             | 0        | Left  | Tilt                 | DFT-S-OFDM | QPSK       | 135     | 69        | 0831M         | 1:1        | 0.031           | 1.432          | 0.044             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 9.23                  | C              | 0.01             | 0        | Right | Cheek                | DFT-S-OFDM | QPSK       | 1       | 137       | 0647M         | 1:1        | 0.023           | 1.194          | 0.027             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 9.22                  | C              | 0.01             | 0        | Right | Cheek                | DFT-S-OFDM | QPSK       | 135     | 69        | 0647M         | 1:1        | 0.021           | 1.197          | 0.025             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 9.23                  | C              | 0.01             | 0        | Right | Tilt                 | DFT-S-OFDM | QPSK       | 1       | 137       | 0647M         | 1:1        | 0.029           | 1.194          | 0.035             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 9.22                  | C              | 0.02             | 0        | Right | Tilt                 | DFT-S-OFDM | QPSK       | 135     | 69        | 0647M         | 1:1        | 0.029           | 1.197          | 0.035             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 9.23                  | C              | 0.01             | 0        | Left  | Cheek                | DFT-S-OFDM | QPSK       | 1       | 137       | 0647M         | 1:1        | 0.040           | 1.194          | 0.048             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 9.22                  | C              | 0.02             | 0        | Left  | Cheek                | DFT-S-OFDM | QPSK       | 135     | 69        | 0647M         | 1:1        | 0.045           | 1.197          | 0.054             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 8.94                  | C              | 0.02             | 0        | Left  | Cheek                | CP-OFDM    | QPSK       | 1       | 1         | 0647M         | 1:1        | 0.059           | 1.276          | 0.075             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 9.23                  | C              | 0.02             | 0        | Left  | Tilt                 | DFT-S-OFDM | QPSK       | 1       | 137       | 0647M         | 1:1        | 0.015           | 1.194          | 0.018             |        |
| 3500.01                                  | 633334 | Md     | NR Band n77 | 100             | 10.0                        | 9.22                  | C              | 0.02             | 0        | Left  | Tilt                 | DFT-S-OFDM | QPSK       | 135     | 69        | 0647M         | 1:1        | 0.014           | 1.197          | 0.017             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |        |             |                 |                             |                       |                |                  |          |       | Head                 |            |            |         |           |               |            |                 |                |                   |        |
| Spatial Peak                             |        |        |             |                 |                             |                       |                |                  |          |       | 1.6 W/kg (mW/g)      |            |            |         |           |               |            |                 |                |                   |        |
| Uncontrolled Exposure/General Population |        |        |             |                 |                             |                       |                |                  |          |       | averaged over 1 gram |            |            |         |           |               |            |                 |                |                   |        |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 171 of 337                 |

**Table 11-28**  
**NR Band n77 Head SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                 |                             |                       |                |                  |          |      |                      |          |            |         |           |               |            |          |                |                   |        |     |
|------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|------|----------------------|----------|------------|---------|-----------|---------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Side | Test Position        | Waveform | Modulation | RB Size | RB Offset | Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                      | Ch.    |      |                 |                             |                       |                |                  |          |      |                      |          |            |         |           |               |            | (W/kg)   |                | (W/kg)            |        |     |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.0                  | 15.23          | F                | 0.05     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.631          | 1.194             | 0.753  | A28 |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.48          | F                | 0.00     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.556          | 1.127             | 0.627  |     |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.0                  | 15.30          | F                | 0.06     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.633          | 1.175             | 0.744  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.36          | F                | 0.02     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.567          | 1.159             | 0.657  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.21          | F                | 0.00     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 270       | 0             | 0831M      | 1:1      | 0.600          | 1.199             | 0.719  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.09          | F                | 0.00     | 0    | Right                | Cheek    | CP-OFDM    | QPSK    | 1         | 1             | 0831M      | 1:1      | 0.542          | 1.233             | 0.668  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.48          | F                | 0.00     | 0    | Right                | Tilt     | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.326          | 1.127             | 0.367  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.36          | F                | 0.00     | 0    | Right                | Tilt     | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.324          | 1.159             | 0.376  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.48          | F                | 0.02     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.202          | 1.127             | 0.228  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.36          | F                | 0.00     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.205          | 1.159             | 0.238  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.48          | F                | 0.00     | 0    | Left                 | Tilt     | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.197          | 1.127             | 0.222  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.0                  | 15.36          | F                | 0.00     | 0    | Left                 | Tilt     | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.201          | 1.159             | 0.233  |     |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 14.0                  | 13.04          | I                | 0.02     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0647M      | 1:1      | 0.181          | 1.247             | 0.226  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.12          | I                | 0.00     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0647M      | 1:1      | 0.445          | 1.225             | 0.545  |     |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 14.0                  | 13.02          | I                | 0.02     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0647M      | 1:1      | 0.178          | 1.253             | 0.223  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.11          | I                | 0.02     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0647M      | 1:1      | 0.401          | 1.227             | 0.492  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 12.92          | I                | 0.02     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 270       | 0             | 0647M      | 1:1      | 0.362          | 1.282             | 0.464  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.15          | I                | 0.02     | 0    | Right                | Cheek    | CP-OFDM    | QPSK    | 1         | 1             | 0647M      | 1:1      | 0.364          | 1.216             | 0.443  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.12          | I                | 0.00     | 0    | Right                | Tilt     | DFT-S-OFDM | QPSK    | 1         | 137           | 0647M      | 1:1      | 0.017          | 1.225             | 0.021  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.11          | I                | 0.00     | 0    | Right                | Tilt     | DFT-S-OFDM | QPSK    | 135       | 69            | 0647M      | 1:1      | 0.018          | 1.227             | 0.022  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.12          | I                | 0.02     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0647M      | 1:1      | 0.271          | 1.225             | 0.332  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.11          | I                | 0.02     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0647M      | 1:1      | 0.272          | 1.227             | 0.334  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.12          | I                | 0.00     | 0    | Left                 | Tilt     | DFT-S-OFDM | QPSK    | 1         | 137           | 0647M      | 1:1      | 0.022          | 1.225             | 0.027  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.11          | I                | 0.00     | 0    | Left                 | Tilt     | DFT-S-OFDM | QPSK    | 135       | 69            | 0647M      | 1:1      | 0.025          | 1.227             | 0.031  |     |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 14.0                  | 12.76          | E                | 0.00     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.204          | 1.330             | 0.271  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.43          | E                | 0.00     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.498          | 1.140             | 0.568  |     |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 14.0                  | 12.70          | E                | 0.00     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.204          | 1.349             | 0.275  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.46          | E                | 0.00     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.487          | 1.132             | 0.551  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.30          | E                | 0.01     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 270       | 0             | 0831M      | 1:1      | 0.469          | 1.175             | 0.551  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.43          | E                | 0.01     | 0    | Right                | Tilt     | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.136          | 1.140             | 0.155  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.46          | E                | 0.01     | 0    | Right                | Tilt     | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.134          | 1.132             | 0.152  |     |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 14.0                  | 12.76          | E                | 0.01     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.483          | 1.330             | 0.642  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.43          | E                | 0.00     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.607          | 1.140             | 0.692  |     |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 14.0                  | 12.70          | E                | 0.02     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.471          | 1.349             | 0.635  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.46          | E                | 0.02     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.599          | 1.132             | 0.678  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.30          | E                | 0.01     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 270       | 0             | 0831M      | 1:1      | 0.593          | 1.175             | 0.697  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.15          | E                | 0.02     | 0    | Left                 | Cheek    | CP-OFDM    | QPSK    | 1         | 1             | 0831M      | 1:1      | 0.616          | 1.216             | 0.749  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.43          | E                | 0.02     | 0    | Left                 | Tilt     | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.082          | 1.140             | 0.093  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 14.0                  | 13.46          | E                | 0.01     | 0    | Left                 | Tilt     | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.080          | 1.132             | 0.091  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.75           | C                | 0.00     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.018          | 1.059             | 0.019  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.65           | C                | 0.01     | 0    | Right                | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.020          | 1.084             | 0.022  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.75           | C                | 0.01     | 0    | Right                | Tilt     | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.036          | 1.059             | 0.038  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.65           | C                | 0.01     | 0    | Right                | Tilt     | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.037          | 1.084             | 0.040  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.75           | C                | 0.02     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.050          | 1.059             | 0.053  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.65           | C                | 0.02     | 0    | Left                 | Cheek    | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.048          | 1.084             | 0.052  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.52           | C                | 0.02     | 0    | Left                 | Cheek    | CP-OFDM    | QPSK    | 1         | 1             | 0831M      | 1:1      | 0.057          | 1.117             | 0.064  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.75           | C                | 0.02     | 0    | Left                 | Tilt     | DFT-S-OFDM | QPSK    | 1         | 137           | 0831M      | 1:1      | 0.015          | 1.059             | 0.016  |     |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 10.0                  | 9.65           | C                | 0.02     | 0    | Left                 | Tilt     | DFT-S-OFDM | QPSK    | 135       | 69            | 0831M      | 1:1      | 0.017          | 1.084             | 0.018  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                 |                             |                       |                |                  |          |      | Head                 |          |            |         |           |               |            |          |                |                   |        |     |
| Spatial Peak                             |        |      |                 |                             |                       |                |                  |          |      | 1.6 W/kg (mW/g)      |          |            |         |           |               |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                |                  |          |      | averaged over 1 gram |          |            |         |           |               |            |          |                |                   |        |     |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 172 of 337                 |



**Table 11-29  
DTS Head SAR – Open**

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |                  |       |                      |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------|----------------------|-----------------|-----------------|----------------------|------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side  | Test Position        | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                             |                       |                  |       |                      |                 |                 |                      |                  |                | W/kg                  | (W/kg)   | (W/kg)                 | (W/kg)                      |                   |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.0                        | 12.97                 | -0.20            | Right | Cheek                | 2               | Q               | 1600S                | 1                | 99.9           | 0.979                 | 0.510    | 1.007                  | 1.001                       | 0.514             | A29    |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.0                        | 12.97                 | 0.10             | Right | Tilt                 | 2               | Q               | 1600S                | 1                | 99.9           | 0.568                 | 0.390    | 1.007                  | 1.001                       | 0.393             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.0                        | 12.97                 | 0.04             | Left  | Cheek                | 2               | Q               | 1600S                | 1                | 99.9           | 0.132                 | 0.122    | 1.007                  | 1.001                       | 0.123             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 13.0                        | 12.97                 | 0.08             | Left  | Tilt                 | 2               | Q               | 1600S                | 1                | 99.9           | 0.120                 | -        | 1.007                  | 1.001                       | -                 |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 13.0                        | 12.94                 | 0.01             | Right | Cheek                | 2               | N               | 0115S                | 1                | 99.9           | 0.488                 | 0.374    | 1.014                  | 1.001                       | 0.380             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 13.0                        | 12.94                 | 0.00             | Right | Tilt                 | 2               | N               | 0115S                | 1                | 99.9           | 0.382                 | -        | 1.014                  | 1.001                       | -                 |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 13.0                        | 12.94                 | 0.01             | Left  | Cheek                | 2               | N               | 0115S                | 1                | 99.9           | 0.148                 | 0.115    | 1.014                  | 1.001                       | 0.117             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 13.0                        | 12.94                 | 0.00             | Left  | Tilt                 | 2               | N               | 0115S                | 1                | 99.9           | 0.120                 | -        | 1.014                  | 1.001                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                             |                       |                  |       | Head                 |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                             |                       |                  |       | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  |       | averaged over 1 gram |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |

**Table 11-30  
DTS Head SAR – Open for Conditions with 5G NR (FR2) and/or 5 GHz WLAN**

| MEASUREMENT RESULTS                                   |     |         |         |                 |                             |                       |                  |                                                 |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
|-------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|-----------------|-----------------|----------------------|------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                             |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                   | Ch. |         |         |                 |                             |                       |                  |                                                 |               |                 |                 |                      |                  |                | W/kg                  | (W/kg)   | (W/kg)                 | (W/kg)                      |                   |        |
| 2437                                                  | 6   | 802.11b | DSSS    | 22              | 11.0                        | 10.86                 | 0.02             | Right                                           | Cheek         | 2               | Q               | 1600S                | 1                | 99.9           | 0.389                 | 0.298    | 1.033                  | 1.001                       | 0.308             |        |
| 2437                                                  | 6   | 802.11b | DSSS    | 22              | 11.0                        | 10.86                 | 0.02             | Right                                           | Tilt          | 2               | Q               | 1600S                | 1                | 99.9           | 0.283                 | -        | 1.033                  | 1.001                       | -                 |        |
| 2437                                                  | 6   | 802.11b | DSSS    | 22              | 11.0                        | 10.86                 | 0.02             | Left                                            | Cheek         | 2               | Q               | 1600S                | 1                | 99.9           | 0.095                 | -        | 1.033                  | 1.001                       | -                 |        |
| 2437                                                  | 6   | 802.11b | DSSS    | 22              | 11.0                        | 10.86                 | 0.01             | Left                                            | Tilt          | 2               | Q               | 1600S                | 1                | 99.9           | 0.107                 | -        | 1.033                  | 1.001                       | -                 |        |
| 2437                                                  | 6   | 802.11b | DSSS    | 22              | 11.0                        | 10.99                 | 0.03             | Right                                           | Cheek         | 2               | N               | 0115S                | 1                | 99.9           | 0.261                 | 0.210    | 1.002                  | 1.001                       | 0.211             |        |
| 2437                                                  | 6   | 802.11b | DSSS    | 22              | 11.0                        | 10.99                 | 0.01             | Right                                           | Tilt          | 2               | N               | 0115S                | 1                | 99.9           | 0.231                 | -        | 1.002                  | 1.001                       | -                 |        |
| 2437                                                  | 6   | 802.11b | DSSS    | 22              | 11.0                        | 10.99                 | 0.02             | Left                                            | Cheek         | 2               | N               | 0115S                | 1                | 99.9           | 0.087                 | -        | 1.002                  | 1.001                       | -                 |        |
| 2437                                                  | 6   | 802.11b | DSSS    | 22              | 11.0                        | 10.99                 | 0.01             | Left                                            | Tilt          | 2               | N               | 0115S                | 1                | 99.9           | 0.076                 | -        | 1.002                  | 1.001                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |     |         |         |                 |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population              |     |         |         |                 |                             |                       |                  |                                                 |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |

2.4 GHZ WLAN SISO was additionally evaluated at the maximum allowed output power during operations with Simultaneous 2.4 GHz WLAN and 5 GHz WLAN and/or 5G NR active. 5 GHz WIFI and/or 5G NR were not transmitting during the above evaluations

**Table 11-31  
DTS MIMO Head SAR – Open**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |                      |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|---------------|-----------------|-----------------|----------------------|------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Side                 | Test Position | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                      |               |                 |                 |                      |                  |                | W/kg                  | (W/kg)   |                        | (W/kg)                      |                   |        |
| 2412                                     | 1   | 802.11n | OFDM    | 20              | 13.0                                | 12.90                         | 13.0                                | 12.97                         | 0.01             | Right                | Cheek         | MIMO            | Q               | 1600S                | 13               | 99.7           | 0.612                 | 0.469    | 1.023                  | 1.003                       | 0.481             |        |
| 2412                                     | 1   | 802.11n | OFDM    | 20              | 13.0                                | 12.90                         | 13.0                                | 12.97                         | 0.01             | Right                | Tilt          | MIMO            | Q               | 1600S                | 13               | 99.7           | 0.419                 | 0.315    | 1.023                  | 1.003                       | 0.323             |        |
| 2412                                     | 1   | 802.11n | OFDM    | 20              | 13.0                                | 12.90                         | 13.0                                | 12.97                         | 0.01             | Left                 | Cheek         | MIMO            | Q               | 1600S                | 13               | 99.7           | 0.239                 | 0.204    | 1.023                  | 1.003                       | 0.209             |        |
| 2412                                     | 1   | 802.11n | OFDM    | 20              | 13.0                                | 12.90                         | 13.0                                | 12.97                         | 0.01             | Left                 | Tilt          | MIMO            | Q               | 1600S                | 13               | 99.7           | 0.164                 | -        | 1.023                  | 1.003                       | -                 |        |
| 2462                                     | 11  | 802.11n | OFDM    | 20              | 13.0                                | 12.90                         | 13.0                                | 12.90                         | 0.00             | Right                | Cheek         | MIMO            | N               | 0115S                | 13               | 99.7           | 0.634                 | 0.469    | 1.023                  | 1.003                       | 0.481             |        |
| 2462                                     | 11  | 802.11n | OFDM    | 20              | 13.0                                | 12.90                         | 13.0                                | 12.90                         | 0.02             | Right                | Tilt          | MIMO            | N               | 0115S                | 13               | 99.7           | 0.404                 | 0.320    | 1.023                  | 1.003                       | 0.328             |        |
| 2462                                     | 11  | 802.11n | OFDM    | 20              | 13.0                                | 12.90                         | 13.0                                | 12.90                         | 0.02             | Left                 | Cheek         | MIMO            | N               | 0115S                | 13               | 99.7           | 0.307                 | 0.268    | 1.023                  | 1.003                       | 0.275             |        |
| 2462                                     | 11  | 802.11n | OFDM    | 20              | 13.0                                | 12.90                         | 13.0                                | 12.90                         | 0.02             | Left                 | Tilt          | MIMO            | N               | 0115S                | 13               | 99.7           | 0.235                 | -        | 1.023                  | 1.003                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  | Head                 |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |

Note: To achieve the 16.0 dBm maximum allowed MIMO power shown in the documentation each antenna transmits at a maximum allowed power of 13.0 dBm.

|                                             |                                                                                                                                  |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>PCTEST<br>Proud to be part of the element | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                               | DUT Type:<br>Portable Handset |                                                                                       | Page 173 of 337                 |

**Table 11-32**  
**DTS MIMO Head SAR – Open for Conditions with 5G NR (FR2) and/or 5 GHz WLAN**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |                      |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|---------------|-----------------|-----------------|----------------------|------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [Ant 1] [dBm] | Conducted Power [Ant 1] [dBm] | Maximum Allowed Power [Ant 2] [dBm] | Conducted Power [Ant 2] [dBm] | Power Drift [dB] | Side                 | Test Position | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                      |               |                 |                 |                      |                  |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2462                                     | 11  | 802.11n | OFDM    | 20              | 11.0                                | 10.94                         | 11.0                                | 10.67                         | 0.02             | Right                | Cheek         | MIMO            | Q               | 1600S                | 13               | 99.7           | 0.429                 | 0.286    | 1.079                  | 1.003                       | 0.310             |        |
| 2462                                     | 11  | 802.11n | OFDM    | 20              | 11.0                                | 10.94                         | 11.0                                | 10.67                         | 0.01             | Right                | Tilt          | MIMO            | Q               | 1600S                | 13               | 99.7           | 0.286                 | -        | 1.079                  | 1.003                       | -                 |        |
| 2462                                     | 11  | 802.11n | OFDM    | 20              | 11.0                                | 10.94                         | 11.0                                | 10.67                         | 0.02             | Left                 | Cheek         | MIMO            | Q               | 1600S                | 13               | 99.7           | 0.175                 | -        | 1.079                  | 1.003                       | -                 |        |
| 2462                                     | 11  | 802.11n | OFDM    | 20              | 11.0                                | 10.94                         | 11.0                                | 10.67                         | 0.01             | Left                 | Tilt          | MIMO            | Q               | 1600S                | 13               | 99.7           | 0.199                 | -        | 1.079                  | 1.003                       | -                 |        |
| 2437                                     | 6   | 802.11n | OFDM    | 20              | 11.0                                | 10.42                         | 11.0                                | 10.53                         | 0.02             | Right                | Cheek         | MIMO            | N               | 0115S                | 13               | 99.7           | 0.275                 | 0.219    | 1.143                  | 1.003                       | 0.251             |        |
| 2437                                     | 6   | 802.11n | OFDM    | 20              | 11.0                                | 10.42                         | 11.0                                | 10.53                         | 0.02             | Right                | Tilt          | MIMO            | N               | 0115S                | 13               | 99.7           | 0.223                 | -        | 1.143                  | 1.003                       | -                 |        |
| 2437                                     | 6   | 802.11n | OFDM    | 20              | 11.0                                | 10.42                         | 11.0                                | 10.53                         | 0.01             | Left                 | Cheek         | MIMO            | N               | 0115S                | 13               | 99.7           | 0.146                 | -        | 1.143                  | 1.003                       | -                 |        |
| 2437                                     | 6   | 802.11n | OFDM    | 20              | 11.0                                | 10.42                         | 11.0                                | 10.53                         | 0.02             | Left                 | Tilt          | MIMO            | N               | 0115S                | 13               | 99.7           | 0.170                 | -        | 1.143                  | 1.003                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  | Head                 |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |

Note: 2.4 GHZ WLAN MIMO was additionally evaluated at the maximum allowed output power during operations with Simultaneous 2.4 GHZ WLAN and 5 GHz WLAN and/or 5G NR active. 5 GHz WIFI and/or 5G NR were not transmitting during the above evaluations

**Table 11-33**  
**NII SISO Head SAR - Open**

| MEASUREMENT RESULTS                      |     |          |         |                 |                             |                       |                  |       |                      |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|----------|---------|-----------------|-----------------------------|-----------------------|------------------|-------|----------------------|-----------------|-----------------|----------------------|------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side  | Test Position        | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |          |         |                 |                             |                       |                  |       |                      |                 |                 |                      |                  |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                        | 10.79                 | 0.03             | Right | Cheek                | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.064                 | -        | 1.050                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                        | 10.79                 | 0.07             | Right | Tilt                 | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.058                 | -        | 1.050                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                        | 10.79                 | 0.19             | Left  | Cheek                | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.094                 | -        | 1.050                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                        | 10.79                 | -0.04            | Left  | Tilt                 | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.109                 | 0.087    | 1.050                  | 1.003                       | 0.092             |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                        | 10.95                 | 0.00             | Right | Cheek                | 1               | N               | 0115S                | 29.3             | 99.7           | 0.048                 | -        | 1.012                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                        | 10.95                 | 0.00             | Right | Tilt                 | 1               | N               | 0115S                | 29.3             | 99.7           | 0.052                 | -        | 1.012                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                        | 10.95                 | 0.00             | Left  | Cheek                | 1               | N               | 0115S                | 29.3             | 99.7           | 0.102                 | -        | 1.012                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                        | 10.95                 | 0.00             | Left  | Tilt                 | 1               | N               | 0115S                | 29.3             | 99.7           | 0.204                 | 0.145    | 1.012                  | 1.003                       | 0.147             |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                        | 10.87                 | 0.01             | Right | Cheek                | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.039                 | -        | 1.030                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                        | 10.87                 | 0.01             | Right | Tilt                 | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.049                 | -        | 1.030                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                        | 10.87                 | 0.01             | Left  | Cheek                | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.073                 | -        | 1.030                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                        | 10.87                 | 0.01             | Left  | Tilt                 | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.084                 | 0.064    | 1.030                  | 1.003                       | 0.066             |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                        | 10.82                 | 0.00             | Right | Cheek                | 1               | N               | 0115S                | 29.3             | 99.7           | 0.024                 | -        | 1.042                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                        | 10.82                 | 0.00             | Right | Tilt                 | 1               | N               | 0115S                | 29.3             | 99.7           | 0.028                 | -        | 1.042                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                        | 10.82                 | 0.00             | Left  | Cheek                | 1               | N               | 0115S                | 29.3             | 99.7           | 0.155                 | 0.096    | 1.042                  | 1.003                       | 0.100             |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                        | 10.82                 | 0.00             | Left  | Tilt                 | 1               | N               | 0115S                | 29.3             | 99.7           | 0.060                 | -        | 1.042                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                        | 10.85                 | 0.01             | Right | Cheek                | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.041                 | -        | 1.035                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                        | 10.85                 | 0.01             | Right | Tilt                 | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.041                 | -        | 1.035                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                        | 10.85                 | 0.01             | Left  | Cheek                | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.081                 | 0.054    | 1.035                  | 1.003                       | 0.056             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                        | 10.85                 | 0.01             | Left  | Tilt                 | 1               | Q               | 1598S                | 29.3             | 99.7           | 0.067                 | -        | 1.035                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                        | 10.63                 | 0.00             | Right | Cheek                | 1               | N               | 0115S                | 29.3             | 99.7           | 0.022                 | -        | 1.089                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                        | 10.63                 | 0.00             | Right | Tilt                 | 1               | N               | 0115S                | 29.3             | 99.7           | 0.028                 | -        | 1.089                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                        | 10.63                 | 0.01             | Left  | Cheek                | 1               | N               | 0115S                | 29.3             | 99.7           | 0.169                 | 0.104    | 1.089                  | 1.003                       | 0.114             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                        | 10.63                 | 0.00             | Left  | Tilt                 | 1               | N               | 0115S                | 29.3             | 99.7           | 0.054                 | -        | 1.089                  | 1.003                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                 |                             |                       |                  |       | Head                 |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |          |         |                 |                             |                       |                  |       | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |          |         |                 |                             |                       |                  |       | averaged over 1 gram |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |

|                                             |                                                                                                                    |                               |                                                                                       |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                 | DUT Type:<br>Portable Handset |                                                                                       | Page 174 of 337                 |

**Table 11-34  
NII MIMO Head SAR - Open**

| MEASUREMENT RESULTS                      |     |          |         |                 |                                     |                               |                                     |                               |                  |                      |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|----------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|---------------|-----------------|-----------------|----------------------|------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Side                 | Test Position | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |          |         |                 |                                     |                               |                                     |                               |                  |                      |               |                 |                 |                      |                  |                | W/kg                  | (W/kg)   | (W/kg)                 |                             |                   |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                                | 10.79                         | 11.0                                | 10.70                         | 0.01             | Right                | Cheek         | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.083                 | -        | 1.072                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                                | 10.79                         | 11.0                                | 10.70                         | 0.01             | Right                | Tilt          | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.074                 | -        | 1.072                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                                | 10.79                         | 11.0                                | 10.70                         | 0.01             | Left                 | Cheek         | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.090                 | -        | 1.072                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                                | 10.79                         | 11.0                                | 10.70                         | 0.01             | Left                 | Tilt          | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.093                 | 0.058    | 1.072                  | 1.003                       | 0.062             |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                                | 10.95                         | 11.0                                | 10.89                         | 0.01             | Right                | Cheek         | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.162                 | -        | 1.026                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                                | 10.95                         | 11.0                                | 10.89                         | 0.01             | Right                | Tilt          | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.141                 | -        | 1.026                  | 1.003                       | -                 |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                                | 10.95                         | 11.0                                | 10.89                         | -0.10            | Left                 | Cheek         | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.406                 | 0.258    | 1.026                  | 1.003                       | 0.266             | A30    |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 11.0                                | 10.95                         | 11.0                                | 10.89                         | 0.01             | Left                 | Tilt          | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.403                 | -        | 1.026                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                                | 10.87                         | 11.0                                | 10.99                         | 0.01             | Right                | Cheek         | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.129                 | 0.097    | 1.030                  | 1.003                       | 0.100             |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                                | 10.87                         | 11.0                                | 10.99                         | 0.01             | Right                | Tilt          | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.096                 | -        | 1.030                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                                | 10.87                         | 11.0                                | 10.99                         | 0.01             | Left                 | Cheek         | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.098                 | -        | 1.030                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                                | 10.87                         | 11.0                                | 10.99                         | 0.01             | Left                 | Tilt          | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.085                 | -        | 1.030                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                                | 10.82                         | 11.0                                | 10.99                         | 0.01             | Right                | Cheek         | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.042                 | -        | 1.042                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                                | 10.82                         | 11.0                                | 10.99                         | 0.20             | Right                | Tilt          | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.053                 | -        | 1.042                  | 1.003                       | -                 |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                                | 10.82                         | 11.0                                | 10.99                         | 0.10             | Left                 | Cheek         | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.181                 | 0.115    | 1.042                  | 1.003                       | 0.120             |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 11.0                                | 10.82                         | 11.0                                | 10.99                         | 0.10             | Left                 | Tilt          | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.148                 | -        | 1.042                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                                | 10.85                         | 11.0                                | 10.50                         | 0.01             | Right                | Cheek         | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.141                 | 0.106    | 1.122                  | 1.003                       | 0.119             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                                | 10.85                         | 11.0                                | 10.50                         | 0.01             | Right                | Tilt          | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.110                 | -        | 1.122                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                                | 10.85                         | 11.0                                | 10.50                         | 0.01             | Left                 | Cheek         | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.051                 | -        | 1.122                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                                | 10.85                         | 11.0                                | 10.50                         | 0.01             | Left                 | Tilt          | MIMO            | Q               | 1598S                | 58.5             | 99.7           | 0.052                 | -        | 1.122                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                                | 10.63                         | 11.0                                | 10.65                         | 0.01             | Right                | Cheek         | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.041                 | -        | 1.089                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                                | 10.63                         | 11.0                                | 10.65                         | 0.01             | Right                | Tilt          | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.041                 | -        | 1.089                  | 1.003                       | -                 |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                                | 10.63                         | 11.0                                | 10.65                         | 0.01             | Left                 | Cheek         | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.133                 | 0.076    | 1.089                  | 1.003                       | 0.076             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 11.0                                | 10.63                         | 11.0                                | 10.65                         | 0.01             | Left                 | Tilt          | MIMO            | N               | 0115S                | 58.5             | 99.7           | 0.054                 | -        | 1.089                  | 1.003                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                 |                                     |                               |                                     |                               |                  | Head                 |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |          |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |          |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |               |                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |

Note: To achieve the 14.0 dBm maximum allowed MIMO power shown in the documentation each antenna transmits at a maximum allowed power of 11.0 dBm.

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 175 of 337                                                                       |                                        |

**Table 11-35**  
**DSS Head SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |           |         |                             |                       |                  |                                                 |               |                 |                 |                      |                  |                |          |                             |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|-----------------|-----------------|----------------------|------------------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |           |         |                             |                       |                  |                                                 |               |                 |                 |                      |                  |                | (W/kg)   |                             |                             | (W/kg)            |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 8.62                  | 0.00             | Right                                           | Cheek         | 1               | Q               | 1600S                | 1                | 76.80          | 0.036    | 1.374                       | 1.302                       | 0.064             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 8.62                  | 0.00             | Right                                           | Tilt          | 1               | Q               | 1600S                | 1                | 76.80          | 0.032    | 1.374                       | 1.302                       | 0.057             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 8.62                  | 0.02             | Left                                            | Cheek         | 1               | Q               | 1600S                | 1                | 76.80          | 0.070    | 1.374                       | 1.302                       | 0.125             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 8.62                  | 0.02             | Left                                            | Tilt          | 1               | Q               | 1600S                | 1                | 76.80          | 0.036    | 1.374                       | 1.302                       | 0.064             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 9.29                  | 0.01             | Right                                           | Cheek         | 2               | Q               | 1600S                | 1                | 76.80          | 0.135    | 1.178                       | 1.302                       | 0.207             | A31    |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 9.29                  | 0.01             | Right                                           | Tilt          | 2               | Q               | 1600S                | 1                | 76.80          | 0.104    | 1.178                       | 1.302                       | 0.160             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 9.29                  | 0.01             | Left                                            | Cheek         | 2               | Q               | 1600S                | 1                | 76.80          | 0.034    | 1.178                       | 1.302                       | 0.052             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 9.29                  | 0.01             | Left                                            | Tilt          | 2               | Q               | 1600S                | 1                | 76.80          | 0.030    | 1.178                       | 1.302                       | 0.046             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 8.43                  | 0.02             | Right                                           | Cheek         | 1               | N               | 0115S                | 1                | 76.80          | 0.067    | 1.435                       | 1.302                       | 0.125             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 8.43                  | 0.00             | Right                                           | Tilt          | 1               | N               | 0115S                | 1                | 76.80          | 0.050    | 1.435                       | 1.302                       | 0.093             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 8.43                  | 0.00             | Left                                            | Cheek         | 1               | N               | 0115S                | 1                | 76.80          | 0.055    | 1.435                       | 1.302                       | 0.103             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 10.0                        | 8.43                  | 0.00             | Left                                            | Tilt          | 1               | N               | 0115S                | 1                | 76.80          | 0.039    | 1.435                       | 1.302                       | 0.073             |        |
| 2480.00                                                                                           | 78  | Bluetooth | FHSS    | 10.0                        | 9.44                  | 0.00             | Right                                           | Cheek         | 2               | N               | 0115S                | 1                | 76.80          | 0.135    | 1.138                       | 1.302                       | 0.200             |        |
| 2480.00                                                                                           | 78  | Bluetooth | FHSS    | 10.0                        | 9.44                  | 0.01             | Right                                           | Tilt          | 2               | N               | 0115S                | 1                | 76.80          | 0.102    | 1.138                       | 1.302                       | 0.151             |        |
| 2480.00                                                                                           | 78  | Bluetooth | FHSS    | 10.0                        | 9.44                  | 0.02             | Left                                            | Cheek         | 2               | N               | 0115S                | 1                | 76.80          | 0.033    | 1.138                       | 1.302                       | 0.049             |        |
| 2480.00                                                                                           | 78  | Bluetooth | FHSS    | 10.0                        | 9.44                  | 0.01             | Left                                            | Tilt          | 2               | N               | 0115S                | 1                | 76.80          | 0.026    | 1.138                       | 1.302                       | 0.039             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                 |                 |                      |                  |                |          |                             |                             |                   |        |

## 11.2 Standalone Open Body-Worn SAR Data

**Table 11-36**  
**GSM/UMTS/CDMA Body-Worn SAR Data - Open**

| MEASUREMENT RESULTS                                                                               |      |            |             |                             |                       |            |                                                 |          |         |                      |                 |            |      |          |                |                          |        |
|---------------------------------------------------------------------------------------------------|------|------------|-------------|-----------------------------|-----------------------|------------|-------------------------------------------------|----------|---------|----------------------|-----------------|------------|------|----------|----------------|--------------------------|--------|
| FREQUENCY                                                                                         |      | Mode       | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB]                                | Position | Spacing | Device Serial Number | # of Time Slots | Duty Cycle | Side | SAR (1g) | Scaling Factor | Reported SAR (1g) (W/kg) | Plot # |
| MHz                                                                                               | Ch.  |            |             |                             |                       |            |                                                 |          |         |                      |                 |            |      | (W/kg)   |                |                          |        |
| 848.31                                                                                            | 777  | Cell. CDMA | TDSO / SO32 | 25.0                        | 24.10                 | 0          | 0.01                                            | Body     | 15 mm   | 0747M                | N/A             | 1:1        | back | 0.190    | 1.230          | 0.234                    |        |
| 1851.25                                                                                           | 25   | PCS CDMA   | TDSO / SO32 | 24.0                        | 23.29                 | 15         | -0.03                                           | Body     | 15 mm   | 0765M                | N/A             | 1:1        | back | 0.805    | 1.178          | 0.948                    |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | TDSO / SO32 | 24.0                        | 23.25                 | 15         | -0.03                                           | Body     | 15 mm   | 0765M                | N/A             | 1:1        | back | 0.855    | 1.189          | 1.017                    | A34    |
| 1908.75                                                                                           | 1175 | PCS CDMA   | TDSO / SO32 | 24.0                        | 23.08                 | 15         | 0.06                                            | Body     | 15 mm   | 0765M                | N/A             | 1:1        | back | 0.795    | 1.236          | 0.983                    |        |
| 824.20                                                                                            | 128  | GSM 850    | GSM         | 33.0                        | 32.00                 | N/A        | 0.02                                            | Body     | 15 mm   | 0747M                | 1               | 1:8.3      | back | 0.108    | 1.259          | 0.136                    |        |
| 1850.20                                                                                           | 512  | GSM 1900   | GSM         | 30.0                        | 29.25                 | N/A        | -0.02                                           | Body     | 15 mm   | 0760M                | 1               | 1:8.3      | back | 0.279    | 1.189          | 0.332                    | A38    |
| 836.60                                                                                            | 4183 | UMTS 850   | RMC         | 25.0                        | 24.49                 | 0          | 0.01                                            | Body     | 15 mm   | 0747M                | N/A             | 1:1        | back | 0.191    | 1.125          | 0.215                    |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 24.0                        | 23.70                 | 18         | -0.03                                           | Body     | 15 mm   | 0760M                | N/A             | 1:1        | back | 0.522    | 1.072          | 0.560                    | A42    |
| 1880.00                                                                                           | 9400 | UMTS 1900  | RMC         | 24.0                        | 23.82                 | 52         | 0.01                                            | Body     | 15 mm   | 0760M                | N/A             | 1:1        | back | 0.443    | 1.042          | 0.462                    | A44    |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |            |             |                             |                       |            | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |         |                      |                 |            |      |          |                |                          |        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 176 of 337                        |

**Table 11-37**  
**LTE Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                    |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |      |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|--------|------|--------------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|------|------------|--------|----------------|--------|--------|
| MHz                                                                                               | Ch.    |      | Mode               | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71        | 20              | 25.5                        | 24.11                 | 1          | 0.04             | 0        | 0847M                                           | QPSK       | 1       | 50        | 15 mm   | back | 1:1        | 0.267  | 1.377          | 0.368  | A46    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71        | 20              | 24.5                        | 23.26                 | 1          | -0.01            | 1        | 0847M                                           | QPSK       | 50      | 25        | 15 mm   | back | 1:1        | 0.210  | 1.330          | 0.279  |        |
| 707.50                                                                                            | 23095  | Mid  | LTE Band 12        | 10              | 25.5                        | 24.25                 | 5          | 0.00             | 0        | 0847M                                           | QPSK       | 1       | 25        | 15 mm   | back | 1:1        | 0.204  | 1.334          | 0.272  |        |
| 707.50                                                                                            | 23095  | Mid  | LTE Band 12        | 10              | 24.5                        | 23.40                 | 5          | 0.02             | 1        | 0847M                                           | QPSK       | 25      | 12        | 15 mm   | back | 1:1        | 0.173  | 1.288          | 0.223  |        |
| 782.00                                                                                            | 23230  | Mid  | LTE Band 13        | 10              | 25.5                        | 24.27                 | 0          | 0.05             | 0        | 0847M                                           | QPSK       | 1       | 49        | 15 mm   | back | 1:1        | 0.169  | 1.327          | 0.224  |        |
| 782.00                                                                                            | 23230  | Mid  | LTE Band 13        | 10              | 24.5                        | 23.33                 | 0          | 0.11             | 1        | 0847M                                           | QPSK       | 25      | 0         | 15 mm   | back | 1:1        | 0.150  | 1.309          | 0.196  |        |
| 793.00                                                                                            | 23330  | Mid  | LTE Band 14        | 10              | 25.5                        | 24.20                 | 40         | 0.01             | 0        | 0847M                                           | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.210  | 1.349          | 0.283  |        |
| 793.00                                                                                            | 23330  | Mid  | LTE Band 14        | 10              | 24.5                        | 23.34                 | 40         | 0.06             | 1        | 0847M                                           | QPSK       | 25      | 12        | 15 mm   | back | 1:1        | 0.174  | 1.306          | 0.227  |        |
| 831.50                                                                                            | 26865  | Mid  | LTE Band 26 (Cell) | 15              | 25.3                        | 24.00                 | 3          | 0.07             | 0        | 0829M                                           | QPSK       | 1       | 74        | 15 mm   | back | 1:1        | 0.184  | 1.349          | 0.248  |        |
| 831.50                                                                                            | 26865  | Mid  | LTE Band 26 (Cell) | 15              | 24.3                        | 23.05                 | 3          | -0.01            | 1        | 0829M                                           | QPSK       | 36      | 37        | 15 mm   | back | 1:1        | 0.149  | 1.334          | 0.199  |        |
| 836.50                                                                                            | 20525  | Mid  | LTE Band 5 (Cell)  | 10              | 25.3                        | 23.67                 | 0          | 0.00             | 0        | 0122M                                           | QPSK       | 1       | 49        | 15 mm   | back | 1:1        | 0.188  | 1.455          | 0.274  |        |
| 836.50                                                                                            | 20525  | Mid  | LTE Band 5 (Cell)  | 10              | 24.3                        | 22.62                 | 0          | 0.09             | 1        | 0122M                                           | QPSK       | 25      | 25        | 15 mm   | back | 1:1        | 0.150  | 1.472          | 0.221  |        |
| 1860.00                                                                                           | 26140  | Low  | LTE Band 25 (PCS)  | 20              | 25.0                        | 24.14                 | 5          | 0.02             | 0        | 0748M                                           | QPSK       | 1       | 99        | 15 mm   | back | 1:1        | 0.796  | 1.219          | 0.970  |        |
| 1882.50                                                                                           | 26365  | Mid  | LTE Band 25 (PCS)  | 20              | 25.0                        | 24.37                 | 5          | 0.01             | 0        | 0748M                                           | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.828  | 1.156          | 0.957  | A60    |
| 1905.00                                                                                           | 26590  | High | LTE Band 25 (PCS)  | 20              | 25.0                        | 24.03                 | 0          | 0.05             | 0        | 0748M                                           | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.815  | 1.250          | 1.019  |        |
| 1882.50                                                                                           | 26365  | Mid  | LTE Band 25 (PCS)  | 20              | 24.0                        | 23.40                 | 5          | 0.01             | 1        | 0748M                                           | QPSK       | 50      | 25        | 15 mm   | back | 1:1        | 0.658  | 1.148          | 0.755  |        |
| 1860.00                                                                                           | 26140  | Low  | LTE Band 25 (PCS)  | 20              | 24.0                        | 23.25                 | 5          | 0.01             | 1        | 0748M                                           | QPSK       | 100     | 0         | 15 mm   | back | 1:1        | 0.657  | 1.189          | 0.781  |        |
| 2310.00                                                                                           | 27710  | Mid  | LTE Band 30        | 10              | 24.0                        | 23.40                 | N/A        | 0.04             | 0        | 0748M                                           | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.412  | 1.148          | 0.473  | A62    |
| 2310.00                                                                                           | 27710  | Mid  | LTE Band 30        | 10              | 23.0                        | 22.45                 | N/A        | -0.04            | 1        | 0748M                                           | QPSK       | 25      | 0         | 15 mm   | back | 1:1        | 0.324  | 1.135          | 0.368  |        |
| 2535.00                                                                                           | 21100  | Mid  | LTE Band 7         | 20              | 25.0                        | 24.02                 | N/A        | 0.11             | 0        | 0126M                                           | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.455  | 1.253          | 0.570  | A64    |
| 2535.00                                                                                           | 21100  | Mid  | LTE Band 7         | 20              | 24.0                        | 23.08                 | N/A        | 0.16             | 1        | 0126M                                           | QPSK       | 50      | 25        | 15 mm   | back | 1:1        | 0.370  | 1.236          | 0.457  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                    |                 |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |      |            |        |                |        |        |

**Table 11-38**  
**LTE Band 66 Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |                   |         |        |      |                   |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |      |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|-------------------|---------|--------|------|-------------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|------|------------|--------|----------------|--------|--------|
| 1 CC Uplink   2 CC Uplink                                                                         | Component Carrier | MHz     | Ch.    |      | Mode              | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 1 CC Uplink                                                                                       | N/A               | 1720.00 | 132072 | Low  | LTE Band 66 (AWS) | 20              | 25.0                        | 23.71                 | 52         | -0.03            | 0        | 1916M                                           | QPSK       | 1       | 99        | 15 mm   | back | 1:1        | 0.487  | 1.346          | 0.656  |        |
| 1 CC Uplink                                                                                       | N/A               | 1745.00 | 132322 | Mid  | LTE Band 66 (AWS) | 20              | 25.0                        | 23.73                 | 8          | 0.05             | 0        | 1916M                                           | QPSK       | 1       | 50        | 15 mm   | back | 1:1        | 0.706  | 1.340          | 0.946  |        |
| 1 CC Uplink                                                                                       | N/A               | 1745.00 | 132322 | Mid  | LTE Band 66 (AWS) | 20              | 25.0                        | 23.70                 | 52         | 0.16             | 0        | 1916M                                           | QPSK       | 1       | 99        | 15 mm   | back | 1:1        | 0.797  | 1.349          | 1.075  | A58    |
| 1 CC Uplink                                                                                       | N/A               | 1770.00 | 132572 | High | LTE Band 66 (AWS) | 20              | 25.0                        | 23.91                 | 52         | 0.00             | 0        | 1916M                                           | QPSK       | 1       | 99        | 15 mm   | back | 1:1        | 0.572  | 1.285          | 0.735  |        |
| 1 CC Uplink                                                                                       | N/A               | 1770.00 | 132572 | High | LTE Band 66 (AWS) | 20              | 24.0                        | 23.04                 | 52         | 0.08             | 1        | 1916M                                           | QPSK       | 50      | 25        | 15 mm   | back | 1:1        | 0.472  | 1.247          | 0.589  |        |
| 1 CC Uplink                                                                                       | N/A               | 1770.00 | 132572 | High | LTE Band 66 (AWS) | 20              | 24.0                        | 23.02                 | 52         | 0.06             | 1        | 1916M                                           | QPSK       | 100     | 0         | 15 mm   | back | 1:1        | 0.513  | 1.253          | 0.643  |        |
| 1 CC Uplink                                                                                       | N/A               | 1745.00 | 132322 | Mid  | LTE Band 66 (AWS) | 10              | 25.0                        | 23.72                 | 52         | 0.01             | 0        | 1916M                                           | QPSK       | 1       | 49        | 15 mm   | back | 1:1        | 0.740  | 1.343          | 0.994  |        |
| 2 CC Uplink CA_66C                                                                                | PCC               | 1745.00 | 132322 | Mid  | LTE Band 66 (AWS) | 20              | 25.0                        | 23.65                 | 0          | 0.06             | 0        | 1916M                                           | QPSK       | 1       | 99        | 15 mm   | back | 1:1        | 0.766  | 1.365          | 1.046  |        |
|                                                                                                   | SCC               | 1764.80 | 132520 |      |                   |                 |                             |                       |            |                  |          |                                                 |            |         | 0         |         |      |            |        |                |        |        |
| 2 CC Uplink CA_66B                                                                                | PCC               | 1745.00 | 132322 | Mid  | LTE Band 66 (AWS) | 10              | 25.0                        | 24.01                 | 4          | -0.04            | 0        | 1916M                                           | QPSK       | 1       | 49        | 15 mm   | back | 1:1        | 0.753  | 1.256          | 0.946  |        |
|                                                                                                   | SCC               | 1754.90 | 132421 |      |                   |                 |                             |                       |            |                  |          |                                                 |            |         | 0         |         |      |            |        |                |        |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                   |         |        |      |                   |                 |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |      |            |        |                |        |        |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 177 of 337                 |

**Table 11-39**  
**LTE Band 48 Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |                      |         |       |          |                    |                                   |                          |                     |          |                            |                                                 |         |           |         |       |            |        |                   |        |        |     |
|---------------------------------------------------------------------------------------------------|----------------------|---------|-------|----------|--------------------|-----------------------------------|--------------------------|---------------------|----------|----------------------------|-------------------------------------------------|---------|-----------|---------|-------|------------|--------|-------------------|--------|--------|-----|
| 1 CC Uplink  <br>2 CC Uplink                                                                      | Component<br>Carrier | MHz     | Ch.   | Mode     | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB] | Device<br>Serial<br>Number | Modulation                                      | RB Size | RB Offset | Spacing | Side  | Duty Cycle | (W/kg) | Scaling<br>Factor | (W/kg) | Plot # |     |
| 1 CC Uplink                                                                                       | N/A                  | 3646.70 | 56207 | Mid-High | LTE Band 48        | 20                                | 22.5                     | 22.30               | 0.01     | 0                          | 0881M                                           | QPSK    | 1         | 50      | 15 mm | back       | 1:1.58 | 0.154             | 1.047  | 0.161  |     |
| 1 CC Uplink                                                                                       | N/A                  | 3646.70 | 56207 | Mid-High | LTE Band 48        | 20                                | 22.5                     | 22.27               | 0.01     | 0                          | 0881M                                           | QPSK    | 50        | 25      | 15 mm | back       | 1:1.58 | 0.164             | 1.054  | 0.173  |     |
| 1 CC Uplink                                                                                       | N/A                  | 3646.70 | 56207 | Mid-High | LTE Band 48        | 20                                | 22.5                     | 22.04               | 0.03     | 0                          | 0881M                                           | QPSK    | 50        | 50      | 15 mm | back       | 1:1.58 | 0.166             | 1.112  | 0.185  | A66 |
| 2 CC Uplink                                                                                       | PCC                  | 3646.70 | 56207 | Mid-High | LTE Band 48        | 20                                | 22.5                     | 22.00               | 0.01     | 0                          | 0881M                                           | QPSK    | 50        | 50      | 15 mm | back       | 1:1.58 | 0.165             | 1.122  | 0.185  |     |
|                                                                                                   | SCC                  | 3666.50 | 56405 |          |                    |                                   |                          |                     |          |                            |                                                 |         |           | 0       |       |            |        |                   |        |        |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |         |       |          |                    |                                   |                          |                     |          |                            | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |       |            |        |                   |        |        |     |

**Table 11-40**  
**LTE Band 41 Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |                      |           |       |      |                    |                                   |                          |                     |          |                                                 |            |         |           |         |       |            |          |                   |                      |        |     |
|---------------------------------------------------------------------------------------------------|----------------------|-----------|-------|------|--------------------|-----------------------------------|--------------------------|---------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|-------------------|----------------------|--------|-----|
| 1 CC Uplink   2 CC Uplink,<br>Power Class                                                         | Component<br>Carrier | FREQUENCY |       | Mode | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB] | Device<br>Serial<br>Number                      | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |     |
|                                                                                                   |                      | MHz       | Ch.   |      |                    |                                   |                          |                     |          |                                                 |            |         |           |         |       |            | (W/kg)   |                   | (W/kg)               |        |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.12               | -0.01    | 0                                               | 0123M      | QPSK    | 1         | 0       | 15 mm | back       | 1:1.58   | 0.273             | 1.374                | 0.375  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.54               | 0.16     | 0                                               | 0123M      | QPSK    | 1         | 50      | 15 mm | back       | 1:1.58   | 0.284             | 1.247                | 0.354  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 24.5                     | 23.60               | 0.04     | 1                                               | 0123M      | QPSK    | 50        | 50      | 15 mm | back       | 1:1.58   | 0.224             | 1.230                | 0.276  |     |
| 1 CC Uplink - Power Class 2                                                                       | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 28.0                     | 26.51               | 0.03     | 0                                               | 0123M      | QPSK    | 1         | 0       | 15 mm | back       | 1:2.31   | 0.305             | 1.409                | 0.430  |     |
| 1 CC Uplink - Power Class 2                                                                       | N/A                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 28.0                     | 26.99               | 0.17     | 0                                               | 0123M      | QPSK    | 1         | 50      | 15 mm | back       | 1:2.31   | 0.319             | 1.262                | 0.403  |     |
| 2 CC Uplink - Power Class 3                                                                       | PCC                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 25.5                     | 24.85               | 0.03     | 0                                               | 0123M      | QPSK    | 1         | 0       | 15 mm | back       | 1:1.58   | 0.324             | 1.161                | 0.376  |     |
|                                                                                                   | SCC                  | 2660.20   | 41292 |      |                    |                                   |                          |                     |          |                                                 |            |         |           | 99      |       |            |          |                   |                      |        |     |
| 2 CC Uplink - Power Class 2                                                                       | PCC                  | 2680.00   | 41490 | High | LTE Band 41        | 20                                | 28.0                     | 26.67               | 0.04     | 0                                               | 0123M      | QPSK    | 1         | 0       | 15 mm | back       | 1:2.31   | 0.332             | 1.358                | 0.451  | A68 |
|                                                                                                   | SCC                  | 2660.20   | 41292 |      |                    |                                   |                          |                     |          |                                                 |            |         |           | 99      |       |            |          |                   |                      |        |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |           |       |      |                    |                                   |                          |                     |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                   |                      |        |     |

**Table 11-41**  
**NR Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                   |        |      |                   |                             |                       |                  |          |            |               |                                                 |            |         |           |         |       |            |          |                |                   |        |     |
|-------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------------|---------------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Tune State | Serial Number | Waveform                                        | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                   | Ch.    |      |                   |                             |                       |                  |          |            |               |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 680.50                                                | 136100 | Mid  | NR Band n71       | 20                          | 25.5                  | 24.19            | -0.02    | 0          | 1             | 0175M                                           | DFT-S-OFDM | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.255          | 1.352             | 0.345  |     |
| 680.50                                                | 136100 | Mid  | NR Band n71       | 20                          | 25.5                  | 24.22            | -0.06    | 0          | 1             | 0175M                                           | DFT-S-OFDM | QPSK    | 50        | 28      | 15 mm | back       | 1:1      | 0.274          | 1.343             | 0.368  | A70 |
| 680.50                                                | 136100 | Mid  | NR Band n71       | 20                          | 24.0                  | 23.21            | 0.05     | 1.5        | 1             | 0175M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.178          | 1.199             | 0.213  |     |
| 707.50                                                | 141500 | Mid  | NR Band n12       | 15                          | 25.5                  | 23.95            | 0.10     | 0          | 5             | 0177M                                           | DFT-S-OFDM | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.303          | 1.429             | 0.433  | A72 |
| 707.50                                                | 141500 | Mid  | NR Band n12       | 15                          | 25.5                  | 24.03            | 0.00     | 0          | 5             | 0177M                                           | DFT-S-OFDM | QPSK    | 36        | 22      | 15 mm | back       | 1:1      | 0.295          | 1.403             | 0.414  |     |
| 707.50                                                | 141500 | Mid  | NR Band n12       | 15                          | 24.0                  | 23.12            | -0.01    | 1.5        | 5             | 0177M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.221          | 1.225             | 0.271  |     |
| 836.50                                                | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.80            | 0.02     | 0          | 0             | 0183M                                           | DFT-S-OFDM | QPSK    | 1         | 53      | 15 mm | back       | 1:1      | 0.190          | 1.413             | 0.268  |     |
| 836.50                                                | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.84            | -0.03    | 0          | 0             | 0183M                                           | DFT-S-OFDM | QPSK    | 50        | 28      | 15 mm | back       | 1:1      | 0.187          | 1.400             | 0.262  |     |
| 836.50                                                | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 23.8                  | 22.62            | 0.06     | 1.5        | 0             | 0183M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.115          | 1.312             | 0.151  |     |
| 2310.00                                               | 462000 | Mid  | NR Band n30       | 10                          | 23.5                  | 22.73            | -0.14    | 0          | N/A           | 0181M                                           | DFT-S-OFDM | QPSK    | 1         | 26      | 15 mm | back       | 1:1      | 0.484          | 1.194             | 0.578  | A80 |
| 2310.00                                               | 462000 | Mid  | NR Band n30       | 10                          | 23.5                  | 22.46            | 0.00     | 0          | N/A           | 0181M                                           | DFT-S-OFDM | QPSK    | 25        | 14      | 15 mm | back       | 1:1      | 0.440          | 1.271             | 0.559  |     |
| 2310.00                                               | 462000 | Mid  | NR Band n30       | 10                          | 22.0                  | 21.15            | 0.00     | 1.5        | N/A           | 0181M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.315          | 1.216             | 0.383  |     |
| 2592.99                                               | 518598 | Mid  | NR Band n41       | 100                         | 22.0                  | 21.55            | 0.01     | 0          | N/A           | 0897M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.144          | 1.109             | 0.160  |     |
| 2592.99                                               | 518598 | Mid  | NR Band n41       | 100                         | 22.0                  | 21.61            | 0.02     | 0          | N/A           | 0897M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.165          | 1.094             | 0.181  |     |
| 2592.99                                               | 518598 | Mid  | NR Band n41       | 100                         | 22.0                  | 21.05            | 0.14     | 0          | N/A           | 0897M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.187          | 1.245             | 0.233  | A82 |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                   |                             |                       |                  |          |            |               | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population              |        |      |                   |                             |                       |                  |          |            |               |                                                 |            |         |           |         |       |            |          |                |                   |        |     |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 178 of 337                 |

**Table 11-42**  
**NR Band n66 Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                |                  |          |            |               |                                                 |            |         |           |         |       |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------|------------|---------------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Tune State | Serial Number | Waveform                                        | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                |                  |          |            |               |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.00     | 0          | 8             | 0218M                                           | DFT-S-OFDM | QPSK    | 1         | 214     | 15 mm | back       | 1:1      | 0.620          | 1.148             | 0.712  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | 0.03     | 0          | 52            | 0218M                                           | DFT-S-OFDM | QPSK    | 108       | 54      | 15 mm | back       | 1:1      | 0.743          | 1.161             | 0.863  | A76 |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 22.82          | A                | -0.12    | 0          | 52            | 0218M                                           | DFT-S-OFDM | QPSK    | 216       | 0       | 15 mm | back       | 1:1      | 0.545          | 1.472             | 0.802  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 23.0                  | 22.22          | A                | 0.00     | 1.5        | 8             | 0218M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.375          | 1.197             | 0.449  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.63          | I                | 0.06     | 0          | N/A           | 0879M                                           | DFT-S-OFDM | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.166          | 1.089             | 0.181  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.66          | I                | -0.03    | 0          | N/A           | 0879M                                           | DFT-S-OFDM | QPSK    | 108       | 54      | 15 mm | back       | 1:1      | 0.174          | 1.081             | 0.188  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.62          | I                | -0.06    | 0          | N/A           | 0879M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.173          | 1.091             | 0.189  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  |          |            |               | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |     |

**Table 11-43**  
**NR Band n25 Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                   |        |      |                   |                             |                       |                |                  |          |            |               |                                                 |            |         |           |         |       |            |          |                |                   |        |     |
|-------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------|------------|---------------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Tune State | Serial Number | Waveform                                        | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                   | Ch.    |      |                   |                             |                       |                |                  |          |            |               |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 1882.50                                               | 376500 | Mld  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.04     | 0          | 5             | 0195M                                           | DFT-S-OFDM | QPSK    | 1         | 214     | 15 mm | back       | 1:1      | 0.605          | 1.194             | 0.722  | A78 |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | -0.04    | 0          | 5             | 0195M                                           | DFT-S-OFDM | QPSK    | 108       | 54      | 15 mm | back       | 1:1      | 0.561          | 1.259             | 0.706  |     |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.0                  | 22.16          | A                | 0.01     | 1.5        | 5             | 0195M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.471          | 1.213             | 0.571  |     |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 24.49          | I                | -0.05    | 0          | N/A           | 0818M                                           | DFT-S-OFDM | QPSK    | 1         | 214     | 15 mm | back       | 1:1      | 0.244          | 1.002             | 0.244  |     |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 24.35          | I                | 0.18     | 0          | N/A           | 0818M                                           | DFT-S-OFDM | QPSK    | 108       | 54      | 15 mm | back       | 1:1      | 0.258          | 1.035             | 0.267  |     |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.0                  | 22.99          | I                | 0.17     | 1.5        | N/A           | 0818M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.205          | 1.002             | 0.205  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                   |                             |                       |                |                  |          |            |               | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population              |        |      |                   |                             |                       |                |                  |          |            |               |                                                 |            |         |           |         |       |            |          |                |                   |        |     |

**Table 11-44**  
**NR Band n77 DoD Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                |                  |          |               |                                                 |            |         |           |         |       |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|---------------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Serial Number | Waveform                                        | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                |                  |          |               |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 19.5                  | 18.77          | F                | 0.01     | 0             | 0647M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.159          | 1.183             | 0.188  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 19.5                  | 18.67          | F                | 0.01     | 0             | 0647M                                           | DFT-S-OFDM | QPSK    | 135       | 69      | 15 mm | back       | 1:1      | 0.158          | 1.211             | 0.191  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 19.5                  | 18.66          | F                | -0.05    | 0             | 0647M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.173          | 1.213             | 0.210  | A84 |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.58          | I                | 0.00     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.045          | 1.236             | 0.056  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.58          | I                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 135       | 69      | 15 mm | back       | 1:1      | 0.045          | 1.236             | 0.056  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.39          | I                | 0.02     | 0             | 0641M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.052          | 1.291             | 0.067  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.02          | E                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.036          | 1.406             | 0.051  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.04          | E                | 0.01     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 135       | 69      | 15 mm | back       | 1:1      | 0.036          | 1.400             | 0.050  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 15.96          | E                | 0.01     | 0             | 0641M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.038          | 1.426             | 0.054  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 13.5                  | 13.03          | C                | 0.03     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.041          | 1.114             | 0.046  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 13.5                  | 12.87          | C                | 0.03     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.038          | 1.156             | 0.044  |     |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 13.5                  | 12.96          | C                | 0.02     | 0             | 0831M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.039          | 1.132             | 0.044  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                |                  |          |               | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |     |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 179 of 337                 |

**Table 11-45**  
**NR Band n77 Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                |                  |          |               |                                                 |            |         |           |         |       |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|---------------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Serial Number | Waveform                                        | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                |                  |          |               |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.28          | F                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.225          | 1.052             | 0.237  | A86 |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.19          | F                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.229          | 1.074             | 0.246  |     |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.17          | F                | -0.02    | 0             | 0641M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.242          | 1.079             | 0.261  |     |
| 3750.00                                                                                           | 650000 | Low  | NR Band n77     | 100                         | 17.5                  | 16.76          | I                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.045          | 1.186             | 0.053  |     |
| 3750.00                                                                                           | 650000 | Low  | NR Band n77     | 100                         | 17.5                  | 16.77          | I                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.042          | 1.183             | 0.050  |     |
| 3750.00                                                                                           | 650000 | Low  | NR Band n77     | 100                         | 17.5                  | 16.74          | I                | 0.02     | 0             | 0641M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.040          | 1.191             | 0.048  |     |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 17.5                  | 17.04          | E                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.106          | 1.112             | 0.118  |     |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 17.5                  | 16.93          | E                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.107          | 1.140             | 0.122  |     |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 17.5                  | 16.89          | E                | 0.01     | 0             | 0641M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.107          | 1.151             | 0.123  |     |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 13.5                  | 13.01          | C                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.031          | 1.119             | 0.035  |     |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 13.5                  | 13.00          | C                | 0.02     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.035          | 1.122             | 0.039  |     |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 13.5                  | 12.86          | C                | 0.02     | 0             | 0641M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.035          | 1.159             | 0.041  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                |                  |          |               | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |     |

**Table 11-46**  
**DTS Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |      |                | (W/kg)                | (W/kg)   |                        |                             | (W/kg)            |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | -0.01            | 15 mm                                           | 2               | Q               | 1599S                | 1                | back | 99.9           | 0.055                 | 0.042    | 1.012                  | 1.001                       | 0.043             |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.02             | 15 mm                                           | 2               | N               | 0115S                | 1                | back | 99.9           | 0.071                 | 0.049    | 1.035                  | 1.001                       | 0.051             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

**Table 11-47**  
**DTS MIMO Body-Worn SAR - Open**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|-----------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   | (W/kg)                 |                             |                   |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.00             | 15 mm                | MIMO            | Q               | 1598S                | 1                | back | 99.9           | 0.188                 | 0.155    | 1.012                  | 1.001                       | 0.157             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.86                         | 19.0                                | 18.97                         | 0.00             | 15 mm                | MIMO            | N               | 0115S                | 1                | back | 99.9           | 0.294                 | 0.234    | 1.081                  | 1.001                       | 0.253             | A88    |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  | Body                 |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

Note: To achieve the 22 dBm maximum allowed MIMO power shown in the documentation each antenna transmits at a maximum allowed power of 19.0 dBm.

**Table 11-48**  
**DTS MIMO Body-Worn SAR for Conditions with 2.4 GHz and 5 GHz WLAN SAR and/or with 5G NR - Open**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                                                                              | 6   | 802.11n | OFDM    | 20              | 15.0                        | 14.75                 | 0.02             | 15 mm                                           | MIMO            | Q               | 2044M                | 13               | back | 99.7           | 0.040                 | 0.031    | 1.059                  | 1.003                       | 0.033             |        |
| 2437                                                                                              | 6   | 802.11n | OFDM    | 20              | 15.0                        | 14.73                 | 0.01             | 15 mm                                           | MIMO            | N               | 0115S                | 13               | back | 99.7           | 0.048                 | 0.040    | 1.064                  | 1.003                       | 0.043             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

Note: 2.4 GHZ WLAN MIMO was additionally evaluated at the maximum allowed output power during operations with Simultaneous 2.4 GHz WLAN and 5 GHz WLAN and/or 5G NR active. 5 GHz WIFI and/or 5G NR were not transmitting during the above evaluations

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 180 of 337                 |



**Table 11-49**  
**NII SISO Body-Worn SAR – Open**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        | (W/kg)                      |                   |        |
| 5300                                                                                              | 60  | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.01             | 15 mm                                           | 1               | Q               | 1598S                | 6                | back | 98.9           | 0.123                 | 0.069    | 1.047                  | 1.011                       | 0.073             |        |
| 5320                                                                                              | 64  | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.02             | 15 mm                                           | 1               | N               | 0677M                | 6                | back | 98.9           | 0.031                 | 0.017    | 1.002                  | 1.011                       | 0.017             |        |
| 5600                                                                                              | 120 | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.01             | 15 mm                                           | 1               | Q               | 1598S                | 6                | back | 98.9           | 0.186                 | 0.121    | 1.047                  | 1.011                       | 0.128             |        |
| 5720                                                                                              | 144 | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.01             | 15 mm                                           | 1               | N               | 0677M                | 6                | back | 98.9           | 0.024                 | 0.007    | 1.002                  | 1.011                       | 0.007             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.01             | 15 mm                                           | 1               | Q               | 1598S                | 6                | back | 98.9           | 0.181                 | 0.110    | 1.038                  | 1.011                       | 0.115             |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.01             | 15 mm                                           | 1               | N               | 0677M                | 6                | back | 98.9           | 0.021                 | 0.005    | 1.009                  | 1.011                       | 0.005             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

**Table 11-50**  
**NII MIMO Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                                     |                               |                                     |                               |                  |         |                                                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|---------|-------------------------------------------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing | Antenna Config.                                 | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |         |                                                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 5300                                                                                              | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.65                         | 18.0                                | 17.81                         | 0.01             | 15 mm   | MIMO                                            | Q               | 1598S                | 13               | back | 99.7           | 0.203                 | 0.124    | 1.084                  | 1.003                       | 0.135             |        |
| 5300                                                                                              | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.96                         | 18.0                                | 17.83                         | 0.02             | 15 mm   | MIMO                                            | N               | 0677M                | 13               | back | 99.8           | 0.134                 | 0.075    | 1.040                  | 1.002                       | 0.078             |        |
| 5720                                                                                              | 144 | 802.11n | OFDM    | 20              | 18.0                                | 17.59                         | 18.0                                | 17.79                         | 0.01             | 15 mm   | MIMO                                            | Q               | 1598S                | 13               | back | 99.7           | 0.189                 | 0.118    | 1.099                  | 1.003                       | 0.130             |        |
| 5620                                                                                              | 124 | 802.11n | OFDM    | 20              | 18.0                                | 17.99                         | 18.0                                | 17.91                         | 0.02             | 15 mm   | MIMO                                            | N               | 0677M                | 13               | back | 99.8           | 0.205                 | 0.145    | 1.021                  | 1.002                       | 0.148             | A90    |
| 5785                                                                                              | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.01             | 15 mm   | MIMO                                            | Q               | 1598S                | 13               | back | 99.7           | 0.155                 | 0.103    | 1.079                  | 1.003                       | 0.111             |        |
| 5745                                                                                              | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.01             | 15 mm   | MIMO                                            | N               | 0677M                | 13               | back | 99.8           | 0.125                 | 0.080    | 1.064                  | 1.002                       | 0.085             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  |         | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

Note: To achieve the 21.0 dBm maximum allowed MIMO power shown in the documentation each antenna transmits at a maximum allowed power of 18.0 dBm.

**Table 11-51**  
**DSS Body-Worn SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |           |         |                             |                       |                  |         |                                                 |                 |                      |                  |      |                |          |                             |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|---------|-------------------------------------------------|-----------------|----------------------|------------------|------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing | Antenna Config.                                 | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |           |         |                             |                       |                  |         |                                                 |                 |                      |                  |      |                | (W/kg)   |                             |                             | (W/kg)            |        |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.43                 | 0.01             | 15 mm   | 1                                               | Q               | 2044M                | 1                | back | 76.80          | 0.048    | 1.140                       | 1.302                       | 0.071             | A92    |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.55                 | 0.01             | 15 mm   | 1                                               | N               | 0694M                | 1                | back | 76.80          | 0.032    | 1.109                       | 1.302                       | 0.046             |        |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 17.0                        | 16.61                 | 0.01             | 15 mm   | 2                                               | Q               | 2044M                | 1                | back | 76.80          | 0.021    | 1.094                       | 1.302                       | 0.030             |        |
| 2480                                                                                              | 78  | Bluetooth | FHSS    | 17.0                        | 16.60                 | 0.01             | 15 mm   | 2                                               | N               | 0694M                | 1                | back | 76.80          | 0.041    | 1.096                       | 1.302                       | 0.059             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  |         | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                      |                  |      |                |          |                             |                             |                   |        |

|                                             |                                                                                                                              |                               |                                                                                       |                                        |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          | <br>PCTEST<br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>  |  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 181 of 337                        |

## 11.3 Standalone Open Hotspot SAR Data

Table 11-52  
GPRS/UMTS/CDMA Hotspot SAR Data – Open

| MEASUREMENT RESULTS                                                                               |      |            |             |                             |                       |            |                  |         |                                                 |                 |            |        |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|------|------------|-------------|-----------------------------|-----------------------|------------|------------------|---------|-------------------------------------------------|-----------------|------------|--------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode       | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Spacing | Device Serial Number                            | # of Time Slots | Duty Cycle | Side   | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |            |             |                             |                       |            |                  |         |                                                 |                 |            |        | (W/kg)   |                | (W/kg)            |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 0          | -0.02            | 10 mm   | 0747M                                           | N/A             | 1:1        | back   | 0.354    | 1.256          | 0.445             |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 0          | 0.02             | 10 mm   | 0747M                                           | N/A             | 1:1        | front  | 0.214    | 1.256          | 0.269             |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 0          | -0.05            | 10 mm   | 0747M                                           | N/A             | 1:1        | bottom | 0.100    | 1.256          | 0.126             |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 0          | -0.02            | 10 mm   | 0747M                                           | N/A             | 1:1        | right  | 0.208    | 1.256          | 0.261             |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 2          | 0.11             | 10 mm   | 0747M                                           | N/A             | 1:1        | left   | 0.092    | 1.256          | 0.116             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 1          | 0.07             | 10 mm   | 0765M                                           | N/A             | 1:1        | back   | 0.416    | 1.178          | 0.490             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 7          | 0.03             | 10 mm   | 0765M                                           | N/A             | 1:1        | front  | 0.242    | 1.178          | 0.285             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 8          | 0.06             | 10 mm   | 0765M                                           | N/A             | 1:1        | bottom | 0.505    | 1.178          | 0.595             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 7          | 0.01             | 10 mm   | 0765M                                           | N/A             | 1:1        | right  | 0.030    | 1.178          | 0.035             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 2          | 0.01             | 10 mm   | 0765M                                           | N/A             | 1:1        | left   | 0.038    | 1.178          | 0.045             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | -0.06            | 10 mm   | 0747M                                           | 4               | 1:2.076    | back   | 0.147    | 1.500          | 0.221             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | -0.01            | 10 mm   | 0747M                                           | 4               | 1:2.076    | front  | 0.101    | 1.500          | 0.152             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | -0.01            | 10 mm   | 0747M                                           | 4               | 1:2.076    | bottom | 0.103    | 1.500          | 0.155             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | 0.06             | 10 mm   | 0747M                                           | 4               | 1:2.076    | right  | 0.099    | 1.500          | 0.149             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | 0.10             | 10 mm   | 0747M                                           | 4               | 1:2.076    | left   | 0.061    | 1.500          | 0.092             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.01             | 10 mm   | 0760M                                           | 4               | 1:2.076    | back   | 0.407    | 1.164          | 0.474             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.01             | 10 mm   | 0760M                                           | 4               | 1:2.076    | front  | 0.305    | 1.164          | 0.355             |        |
| 1850.20                                                                                           | 512  | GSM 1900   | GPRS        | 23.0                        | 22.31                 | N/A        | 0.01             | 10 mm   | 0760M                                           | 4               | 1:2.076    | bottom | 0.638    | 1.172          | 0.748             |        |
| 1880.00                                                                                           | 661  | GSM 1900   | GPRS        | 23.0                        | 22.00                 | N/A        | 0.01             | 10 mm   | 0760M                                           | 4               | 1:2.076    | bottom | 0.508    | 1.259          | 0.640             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.09             | 10 mm   | 0760M                                           | 4               | 1:2.076    | bottom | 0.758    | 1.164          | 0.882             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.02             | 10 mm   | 0760M                                           | 4               | 1:2.076    | right  | 0.036    | 1.164          | 0.042             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.02             | 10 mm   | 0760M                                           | 4               | 1:2.076    | left   | 0.027    | 1.164          | 0.031             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | -0.02            | 10 mm   | 0747M                                           | N/A             | 1:1        | back   | 0.311    | 1.259          | 0.392             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | 0.00             | 10 mm   | 0747M                                           | N/A             | 1:1        | front  | 0.205    | 1.259          | 0.258             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | 0.01             | 10 mm   | 0747M                                           | N/A             | 1:1        | bottom | 0.091    | 1.259          | 0.115             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | -0.02            | 10 mm   | 0747M                                           | N/A             | 1:1        | right  | 0.213    | 1.259          | 0.268             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | -0.02            | 10 mm   | 0747M                                           | N/A             | 1:1        | left   | 0.078    | 1.259          | 0.098             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 22         | 0.04             | 10 mm   | 0760M                                           | N/A             | 1:1        | back   | 0.490    | 1.135          | 0.556             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 22         | 0.01             | 10 mm   | 0760M                                           | N/A             | 1:1        | front  | 0.361    | 1.135          | 0.410             |        |
| 1712.40                                                                                           | 1312 | UMTS 1750  | RMC         | 19.0                        | 18.40                 | 0          | 0.03             | 10 mm   | 0760M                                           | N/A             | 1:1        | bottom | 0.603    | 1.148          | 0.692             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 22         | -0.03            | 10 mm   | 0760M                                           | N/A             | 1:1        | bottom | 0.600    | 1.135          | 0.681             |        |
| 1752.60                                                                                           | 1513 | UMTS 1750  | RMC         | 19.0                        | 18.38                 | 0          | 0.08             | 10 mm   | 0760M                                           | N/A             | 1:1        | bottom | 0.668    | 1.153          | 0.770             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 0          | -0.03            | 10 mm   | 0760M                                           | N/A             | 1:1        | right  | 0.053    | 1.135          | 0.060             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 0          | -0.07            | 10 mm   | 0760M                                           | N/A             | 1:1        | left   | 0.083    | 1.135          | 0.094             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 14         | 0.03             | 10 mm   | 0760M                                           | N/A             | 1:1        | back   | 0.468    | 1.256          | 0.588             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 14         | 0.04             | 10 mm   | 0760M                                           | N/A             | 1:1        | front  | 0.347    | 1.256          | 0.436             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 53         | 0.01             | 10 mm   | 0760M                                           | N/A             | 1:1        | bottom | 0.604    | 1.256          | 0.759             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900  | RMC         | 19.0                        | 17.95                 | 18         | 0.00             | 10 mm   | 0760M                                           | N/A             | 1:1        | bottom | 0.703    | 1.274          | 0.896             |        |
| 1907.60                                                                                           | 9538 | UMTS 1900  | RMC         | 19.0                        | 18.00                 | 18         | 0.01             | 10 mm   | 0760M                                           | N/A             | 1:1        | bottom | 0.666    | 1.259          | 0.838             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 69         | 0.00             | 10 mm   | 0760M                                           | N/A             | 1:1        | right  | 0.036    | 1.256          | 0.045             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 52         | 0.00             | 10 mm   | 0760M                                           | N/A             | 1:1        | left   | 0.060    | 1.256          | 0.075             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |            |             |                             |                       |            |                  |         | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |            |        |          |                |                   |        |

|                                             |                                                                                                                                                                                                       |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  PCTEST<br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                    | DUT Type:<br>Portable Handset |                                                                                       | Page 182 of 337                 |

**Table 11-53**  
**LTE Band 71 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |       |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | 0.04     | 0                                               | 0847M      | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.224          | 1.340             | 0.300  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | 0.03     | 0                                               | 0847M      | QPSK    | 50        | 25      | 10 mm | back       | 1:1      | 0.228          | 1.324             | 0.302  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | -0.02    | 0                                               | 0847M      | QPSK    | 1         | 50      | 10 mm | front      | 1:1      | 0.186          | 1.340             | 0.249  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | 0.00     | 0                                               | 0847M      | QPSK    | 50        | 25      | 10 mm | front      | 1:1      | 0.189          | 1.324             | 0.250  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | -0.02    | 0                                               | 0847M      | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.038          | 1.340             | 0.051  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | 0.04     | 0                                               | 0847M      | QPSK    | 50        | 25      | 10 mm | bottom     | 1:1      | 0.034          | 1.324             | 0.045  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 2                | 0.16     | 0                                               | 0847M      | QPSK    | 1         | 50      | 10 mm | right      | 1:1      | 0.211          | 1.340             | 0.283  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 2                | -0.02    | 0                                               | 0847M      | QPSK    | 50        | 25      | 10 mm | right      | 1:1      | 0.215          | 1.324             | 0.285  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | 0.00     | 0                                               | 0847M      | QPSK    | 1         | 50      | 10 mm | left       | 1:1      | 0.206          | 1.340             | 0.276  |  |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | 0.04     | 0                                               | 0847M      | QPSK    | 50        | 25      | 10 mm | left       | 1:1      | 0.209          | 1.324             | 0.277  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |  |

**Table 11-54**  
**LTE Band 12 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |       |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.78      | 0                | 0.07     | 0                                               | 0847M      | QPSK    | 1         | 25      | 10 mm | back       | 1:1      | 0.216          | 1.324             | 0.286  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.85      | 0                | 0.07     | 0                                               | 0847M      | QPSK    | 25        | 12      | 10 mm | back       | 1:1      | 0.218          | 1.303             | 0.284  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.78      | 0                | -0.11    | 0                                               | 0847M      | QPSK    | 1         | 25      | 10 mm | front      | 1:1      | 0.159          | 1.324             | 0.211  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.85      | 0                | -0.01    | 0                                               | 0847M      | QPSK    | 25        | 12      | 10 mm | front      | 1:1      | 0.169          | 1.303             | 0.220  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.78      | 0                | -0.09    | 0                                               | 0847M      | QPSK    | 1         | 25      | 10 mm | bottom     | 1:1      | 0.039          | 1.324             | 0.052  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.85      | 0                | -0.09    | 0                                               | 0847M      | QPSK    | 25        | 12      | 10 mm | bottom     | 1:1      | 0.039          | 1.303             | 0.051  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.78      | 0                | 0.05     | 0                                               | 0847M      | QPSK    | 1         | 25      | 10 mm | right      | 1:1      | 0.162          | 1.324             | 0.214  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.85      | 0                | -0.03    | 0                                               | 0847M      | QPSK    | 25        | 12      | 10 mm | right      | 1:1      | 0.166          | 1.303             | 0.216  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.78      | 0                | -0.14    | 0                                               | 0847M      | QPSK    | 1         | 25      | 10 mm | left       | 1:1      | 0.144          | 1.324             | 0.191  |  |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 24.0                  | 22.85      | 0                | -0.01    | 0                                               | 0847M      | QPSK    | 25        | 12      | 10 mm | left       | 1:1      | 0.149          | 1.303             | 0.194  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |  |

|                                             |                                                                                                                                                                                                                               |                               |                                        |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                            | DUT Type:<br>Portable Handset | Page 183 of 337                        |

**Table 11-55**  
**LTE Band 13 Hotspot SAR – Open**

| MEASUREMENT RESULTS                                                                               |       |     |             |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |        |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|-----|-------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|--------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
|                                                                                                   |       |     |             |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |        |            | (W/kg)   |                | (W/kg)            |        |
| MHz                                                                                               | Ch.   |     |             |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |        |            |          |                |                   |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | 0.03             | 0        | 0847M                                           | QPSK       | 1       | 49        | 10 mm   | back   | 1:1        | 0.258    | 1.306          | 0.337             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | 0.07             | 0        | 0847M                                           | QPSK       | 25      | 12        | 10 mm   | back   | 1:1        | 0.264    | 1.291          | 0.341             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | -0.01            | 0        | 0847M                                           | QPSK       | 1       | 49        | 10 mm   | front  | 1:1        | 0.195    | 1.306          | 0.255             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | 0.00             | 0        | 0847M                                           | QPSK       | 25      | 12        | 10 mm   | front  | 1:1        | 0.202    | 1.291          | 0.261             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | 0.08             | 0        | 0847M                                           | QPSK       | 1       | 49        | 10 mm   | bottom | 1:1        | 0.104    | 1.306          | 0.136             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | 0.03             | 0        | 0847M                                           | QPSK       | 25      | 12        | 10 mm   | bottom | 1:1        | 0.103    | 1.291          | 0.133             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | -0.07            | 0        | 0847M                                           | QPSK       | 1       | 49        | 10 mm   | right  | 1:1        | 0.181    | 1.306          | 0.236             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | 0.07             | 0        | 0847M                                           | QPSK       | 25      | 12        | 10 mm   | right  | 1:1        | 0.210    | 1.291          | 0.271             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | 0.09             | 0        | 0847M                                           | QPSK       | 1       | 49        | 10 mm   | left   | 1:1        | 0.122    | 1.306          | 0.159             |        |
| 782.00                                                                                            | 23230 | Mid | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | -0.02            | 0        | 0847M                                           | QPSK       | 25      | 12        | 10 mm   | left   | 1:1        | 0.139    | 1.291          | 0.179             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |     |             |                 |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |        |            |          |                |                   |        |

**Table 11-56**  
**LTE Band 14 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |     |             |                 |                             |                       |            |                  |          |                                                 |                      |            |         |           |         |        |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|-------|-----|-------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|--------|------------|--------|----------------|--------|--------|
| MHz                                                                                               | Ch.   |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Antenna Config.                                 | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | 0.00             | 0        | Open                                            | 0847M                | QPSK       | 1       | 25        | 10 mm   | back   | 1:1        | 0.258  | 1.306          | 0.337  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | 0.01             | 0        | Open                                            | 0847M                | QPSK       | 25      | 12        | 23330   | back   | 1:1        | 0.260  | 1.291          | 0.336  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | -0.08            | 0        | Open                                            | 0847M                | QPSK       | 1       | 25        | 23330   | front  | 1:1        | 0.193  | 1.306          | 0.252  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | 0.05             | 0        | Open                                            | 0847M                | QPSK       | 25      | 12        | 23330   | front  | 1:1        | 0.198  | 1.291          | 0.256  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | 0.00             | 0        | Open                                            | 0847M                | QPSK       | 1       | 25        | 23330   | bottom | 1:1        | 0.100  | 1.306          | 0.131  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | 0.00             | 0        | Open                                            | 0847M                | QPSK       | 25      | 12        | 23330   | bottom | 1:1        | 0.102  | 1.291          | 0.132  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | 0.03             | 0        | Open                                            | 0847M                | QPSK       | 1       | 25        | 23330   | right  | 1:1        | 0.199  | 1.306          | 0.260  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | 0.01             | 0        | Open                                            | 0847M                | QPSK       | 25      | 12        | 23330   | right  | 1:1        | 0.202  | 1.291          | 0.261  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | 0.05             | 0        | Open                                            | 0847M                | QPSK       | 1       | 25        | 23330   | left   | 1:1        | 0.154  | 1.306          | 0.201  |        |
| 793.00                                                                                            | 23330 | Mid | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | -0.01            | 0        | Open                                            | 0847M                | QPSK       | 25      | 12        | 23330   | left   | 1:1        | 0.154  | 1.291          | 0.199  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |     |             |                 |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |        |            |        |                |        |        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
| Page 184 of 337                             |                                                                                                                                                                                                        |                                 |

**Table 11-57**  
**LTE Band 26 (Cell) Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |                    |                             |                       |            |                  |          |                                                 |            |         |           |         |       |            |        |                |        |        |  |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|--------|----------------|--------|--------|--|
| MHz                                                                                               | Ch.   | Mode | Bandwidth [MHz]    | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 0                | -0.01    | 0                                               | 0829M      | QPSK    | 1         | 74      | 10 mm | back       | 1:1    | 0.241          | 1.242  | 0.299  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 0                | -0.05    | 0                                               | 0829M      | QPSK    | 36        | 37      | 10 mm | back       | 1:1    | 0.240          | 1.247  | 0.299  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 2                | 0.00     | 0                                               | 0829M      | QPSK    | 1         | 74      | 10 mm | front      | 1:1    | 0.179          | 1.242  | 0.222  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 2                | 0.03     | 0                                               | 0829M      | QPSK    | 36        | 37      | 10 mm | front      | 1:1    | 0.177          | 1.247  | 0.221  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 3                | -0.05    | 0                                               | 0829M      | QPSK    | 1         | 74      | 10 mm | bottom     | 1:1    | 0.091          | 1.242  | 0.113  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 3                | 0.06     | 0                                               | 0829M      | QPSK    | 36        | 37      | 10 mm | bottom     | 1:1    | 0.085          | 1.247  | 0.106  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 3                | 0.05     | 0                                               | 0829M      | QPSK    | 1         | 74      | 10 mm | right      | 1:1    | 0.164          | 1.242  | 0.204  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 3                | -0.03    | 0                                               | 0829M      | QPSK    | 36        | 37      | 10 mm | right      | 1:1    | 0.160          | 1.247  | 0.200  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 0                | 0.19     | 0                                               | 0829M      | QPSK    | 1         | 74      | 10 mm | left       | 1:1    | 0.074          | 1.242  | 0.092  |  |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 0                | 0.08     | 0                                               | 0829M      | QPSK    | 36        | 37      | 10 mm | left       | 1:1    | 0.070          | 1.247  | 0.087  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                    |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |        |                |        |        |  |

**Table 11-58**  
**LTE Band 5 (Cell) Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |     |                   |                 |                             |                       |            |                  |                                                 |                      |            |         |           |         |        |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|-------|-----|-------------------|-----------------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|--------|------------|--------|----------------|--------|--------|
| MHz                                                                                               | Ch.   |     | Mode              | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 22.82                 | 0          | 0.08             | 0                                               | 0122M                | QPSK       | 1       | 49        | 10 mm   | back   | 1:1        | 0.296  | 1.312          | 0.388  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 23.00                 | 0          | 0.03             | 0                                               | 0122M                | QPSK       | 25      | 25        | 10 mm   | back   | 1:1        | 0.296  | 1.259          | 0.373  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 22.82                 | 0          | 0.06             | 0                                               | 0122M                | QPSK       | 1       | 49        | 10 mm   | front  | 1:1        | 0.194  | 1.312          | 0.255  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 23.00                 | 0          | 0.02             | 0                                               | 0122M                | QPSK       | 25      | 25        | 10 mm   | front  | 1:1        | 0.197  | 1.259          | 0.248  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 22.82                 | 0          | -0.11            | 0                                               | 0122M                | QPSK       | 1       | 49        | 10 mm   | bottom | 1:1        | 0.106  | 1.312          | 0.139  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 23.00                 | 0          | 0.03             | 0                                               | 0122M                | QPSK       | 25      | 25        | 10 mm   | bottom | 1:1        | 0.105  | 1.259          | 0.132  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 22.82                 | 109        | -0.02            | 0                                               | 0122M                | QPSK       | 1       | 49        | 10 mm   | right  | 1:1        | 0.183  | 1.312          | 0.240  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 23.00                 | 109        | 0.02             | 0                                               | 0122M                | QPSK       | 25      | 25        | 10 mm   | right  | 1:1        | 0.182  | 1.259          | 0.229  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 22.82                 | 0          | 0.01             | 0                                               | 0122M                | QPSK       | 1       | 49        | 10 mm   | left   | 1:1        | 0.083  | 1.312          | 0.109  |        |
| 836.50                                                                                            | 20525 | Mid | LTE Band 5 (Cell) | 10              | 24.0                        | 23.00                 | 0          | 0.10             | 0                                               | 0122M                | QPSK       | 25      | 25        | 10 mm   | left   | 1:1        | 0.082  | 1.259          | 0.103  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |     |                   |                 |                             |                       |            |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |        |            |        |                |        |        |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 185 of 337                 |

**Table 11-59**  
**LTE Band 66 (AWS) Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |            |                  |          |                      |                                                 |         |           |         |       |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------|------------------|----------|----------------------|-------------------------------------------------|---------|-----------|---------|-------|------------|--------|----------------|--------|--------|
| MHz                                                                                               | Ch.    | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side  | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.43      | 59               | 0.05     | 0                    | 1916M                                           | QPSK    | 1         | 99      | 10 mm | back       | 1:1    | 0.386          | 1.140  | 0.440  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.57      | 59               | 0.06     | 0                    | 1916M                                           | QPSK    | 50        | 25      | 10 mm | back       | 1:1    | 0.389          | 1.104  | 0.429  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.43      | 14               | -0.01    | 0                    | 1916M                                           | QPSK    | 1         | 99      | 10 mm | front      | 1:1    | 0.291          | 1.140  | 0.332  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.57      | 14               | 0.02     | 0                    | 1916M                                           | QPSK    | 50        | 25      | 10 mm | front      | 1:1    | 0.297          | 1.104  | 0.328  |
| 1720.00                                                                                           | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.20      | 12               | -0.19    | 0                    | 1916M                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1    | 0.424          | 1.202  | 0.510  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.29      | 0                | -0.12    | 0                    | 1916M                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1    | 0.676          | 1.178  | 0.796  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.43      | 116              | 0.20     | 0                    | 1916M                                           | QPSK    | 1         | 99      | 10 mm | bottom     | 1:1    | 0.596          | 1.140  | 0.679  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.57      | 17               | -0.11    | 0                    | 1916M                                           | QPSK    | 50        | 25      | 10 mm | bottom     | 1:1    | 0.595          | 1.104  | 0.657  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.43      | 116              | -0.04    | 0                    | 1916M                                           | QPSK    | 1         | 99      | 10 mm | right      | 1:1    | 0.056          | 1.140  | 0.064  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.57      | 116              | 0.08     | 0                    | 1916M                                           | QPSK    | 50        | 25      | 10 mm | right      | 1:1    | 0.055          | 1.104  | 0.061  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.43      | 59               | 0.03     | 0                    | 1916M                                           | QPSK    | 1         | 99      | 10 mm | left       | 1:1    | 0.061          | 1.140  | 0.070  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 19.0                  | 18.57      | 59               | 0.09     | 0                    | 1916M                                           | QPSK    | 50        | 25      | 10 mm | left       | 1:1    | 0.063          | 1.104  | 0.070  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |            |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |       |            |        |                |        |        |

**Table 11-60**  
**LTE Band 25 (PCS) Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |                   |                             |                       |            |                  |          |                      |                                                 |         |           |         |       |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|------------|------------------|----------|----------------------|-------------------------------------------------|---------|-----------|---------|-------|------------|--------|----------------|--------|--------|
| MHz                                                                                               | Ch.   | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side  | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.45      | 0                | 0.02     | 0                    | 0748M                                           | QPSK    | 1         | 99      | 10 mm | back       | 1:1    | 0.458          | 1.135  | 0.520  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.48      | 0                | 0.00     | 0                    | 0748M                                           | QPSK    | 50        | 25      | 10 mm | back       | 1:1    | 0.509          | 1.127  | 0.574  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.45      | 24               | -0.02    | 0                    | 0748M                                           | QPSK    | 1         | 99      | 10 mm | front      | 1:1    | 0.298          | 1.135  | 0.338  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.48      | 24               | 0.02     | 0                    | 0748M                                           | QPSK    | 50        | 25      | 10 mm | front      | 1:1    | 0.345          | 1.127  | 0.389  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.09      | 24               | 0.18     | 0                    | 0748M                                           | QPSK    | 1         | 99      | 10 mm | bottom     | 1:1    | 0.795          | 1.233  | 0.980  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.45      | 24               | 0.05     | 0                    | 0748M                                           | QPSK    | 1         | 99      | 10 mm | bottom     | 1:1    | 0.753          | 1.135  | 0.855  |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 19.0                  | 17.77      | 21               | 0.13     | 0                    | 0748M                                           | QPSK    | 1         | 0       | 10 mm | bottom     | 1:1    | 0.840          | 1.327  | 1.115  |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.07      | 24               | 0.11     | 0                    | 0748M                                           | QPSK    | 50        | 50      | 10 mm | bottom     | 1:1    | 0.798          | 1.239  | 0.989  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.48      | 24               | -0.02    | 0                    | 0748M                                           | QPSK    | 50        | 25      | 10 mm | bottom     | 1:1    | 0.793          | 1.127  | 0.894  |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 19.0                  | 17.95      | 21               | 0.18     | 0                    | 0748M                                           | QPSK    | 50        | 0       | 10 mm | bottom     | 1:1    | 0.796          | 1.274  | 1.014  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.05      | 25               | 0.02     | 0                    | 0748M                                           | QPSK    | 100       | 0       | 10 mm | bottom     | 1:1    | 0.766          | 1.245  | 0.954  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.45      | 52               | -0.04    | 0                    | 0748M                                           | QPSK    | 1         | 99      | 10 mm | right      | 1:1    | 0.054          | 1.135  | 0.061  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.48      | 52               | 0.05     | 0                    | 0748M                                           | QPSK    | 50        | 25      | 10 mm | right      | 1:1    | 0.056          | 1.127  | 0.063  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.45      | 7                | 0.05     | 0                    | 0748M                                           | QPSK    | 1         | 99      | 10 mm | left       | 1:1    | 0.033          | 1.135  | 0.037  |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS) | 20                          | 19.0                  | 18.48      | 7                | 0.11     | 0                    | 0748M                                           | QPSK    | 50        | 25      | 10 mm | left       | 1:1    | 0.042          | 1.127  | 0.047  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                   |                             |                       |            |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |       |            |        |                |        |        |

|                                             |                                                                                                                                                                                                          |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>PCTEST<br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                       | DUT Type:<br>Portable Handset |                                                                                       | Page 186 of 337                 |

**Table 11-61**  
**LTE Band 30 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |             |                 |                             |                       |                  |                                                 |                      |            |         |           |         |        |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|-----|-------------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|--------|------------|--------|----------------|--------|--------|
| Ch.                                                                                               |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | 0.01             | 0                                               | 0748M                | QPSK       | 1       | 0         | 10 mm   | back   | 1:1        | 0.373  | 1.135          | 0.423  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.01             | 0                                               | 0748M                | QPSK       | 25      | 12        | 10 mm   | back   | 1:1        | 0.377  | 1.122          | 0.423  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | 0.01             | 0                                               | 0748M                | QPSK       | 1       | 0         | 10 mm   | front  | 1:1        | 0.261  | 1.135          | 0.296  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.01             | 0                                               | 0748M                | QPSK       | 25      | 12        | 10 mm   | front  | 1:1        | 0.261  | 1.122          | 0.293  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | -0.02            | 0                                               | 0748M                | QPSK       | 1       | 0         | 10 mm   | bottom | 1:1        | 0.648  | 1.135          | 0.735  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.00             | 0                                               | 0748M                | QPSK       | 25      | 12        | 10 mm   | bottom | 1:1        | 0.666  | 1.122          | 0.747  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | 0.01             | 0                                               | 0748M                | QPSK       | 1       | 0         | 10 mm   | right  | 1:1        | 0.028  | 1.135          | 0.032  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.01             | 0                                               | 0748M                | QPSK       | 25      | 12        | 10 mm   | right  | 1:1        | 0.030  | 1.122          | 0.034  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | 0.00             | 0                                               | 0748M                | QPSK       | 1       | 0         | 10 mm   | left   | 1:1        | 0.029  | 1.135          | 0.033  |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.00             | 0                                               | 0748M                | QPSK       | 25      | 12        | 10 mm   | left   | 1:1        | 0.030  | 1.122          | 0.034  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |             |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |        |            |        |                |        |        |

**Table 11-62**  
**LTE Band 7 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |                                                 |                      |            |         |           |         |       |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|-------|------------|--------|----------------|--------|--------|
| MHz                                                                                               | Ch.   | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 2560.00                                                                                           | 21350 | High | LTE Band 7      | 20                          | 18.5                  | 18.34            | -0.10                                           | 0                    | 0126M      | QPSK    | 1         | 0       | 10 mm | back       | 1:1    | 0.180          | 1.038  | 0.187  |
| 2560.00                                                                                           | 21350 | High | LTE Band 7      | 20                          | 18.5                  | 18.35            | -0.10                                           | 0                    | 0126M      | QPSK    | 50        | 25      | 10 mm | back       | 1:1    | 0.182          | 1.035  | 0.188  |
| 2560.00                                                                                           | 21350 | High | LTE Band 7      | 20                          | 18.5                  | 18.34            | 0.04                                            | 0                    | 0126M      | QPSK    | 1         | 0       | 10 mm | front      | 1:1    | 0.148          | 1.038  | 0.154  |
| 2560.00                                                                                           | 21350 | High | LTE Band 7      | 20                          | 18.5                  | 18.35            | 0.04                                            | 0                    | 0126M      | QPSK    | 50        | 25      | 10 mm | front      | 1:1    | 0.156          | 1.035  | 0.161  |
| 2560.00                                                                                           | 21350 | High | LTE Band 7      | 20                          | 18.5                  | 18.34            | -0.13                                           | 0                    | 0126M      | QPSK    | 1         | 0       | 10 mm | bottom     | 1:1    | 0.400          | 1.038  | 0.415  |
| 2560.00                                                                                           | 21350 | High | LTE Band 7      | 20                          | 18.5                  | 18.35            | 0.13                                            | 0                    | 0126M      | QPSK    | 50        | 25      | 10 mm | bottom     | 1:1    | 0.406          | 1.035  | 0.420  |
| 2560.00                                                                                           | 21350 | High | LTE Band 7      | 20                          | 18.5                  | 18.34            | 0.06                                            | 0                    | 0126M      | QPSK    | 1         | 0       | 10 mm | left       | 1:1    | 0.065          | 1.038  | 0.067  |
| 2560.00                                                                                           | 21350 | High | LTE Band 7      | 20                          | 18.5                  | 18.35            | 0.01                                            | 0                    | 0126M      | QPSK    | 50        | 25      | 10 mm | left       | 1:1    | 0.061          | 1.035  | 0.063  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |       |            |        |                |        |        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 187 of 337                        |

**Table 11-63**  
**LTE Band 48 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |                      |                                                 |         |           |         |       |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|---------|-----------|---------|-------|------------|--------|----------------|--------|--------|
| MHz                                                                                               | Ch.   | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side  | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 3690.00                                                                                           | 56640 | High | LTE Band 48     | 20                          | 18.0                  | 17.23            | 0.02     | 0                    | 0881M                                           | QPSK    | 1         | 0       | 10 mm | back       | 1:1.58 | 0.091          | 1.194  | 0.109  |
| 3690.00                                                                                           | 56640 | High | LTE Band 48     | 20                          | 18.0                  | 17.22            | 0.02     | 0                    | 0881M                                           | QPSK    | 50        | 0       | 10 mm | back       | 1:1.58 | 0.089          | 1.197  | 0.107  |
| 3690.00                                                                                           | 56640 | High | LTE Band 48     | 20                          | 18.0                  | 17.23            | 0.02     | 0                    | 0881M                                           | QPSK    | 1         | 0       | 10 mm | front      | 1:1.58 | 0.094          | 1.194  | 0.112  |
| 3690.00                                                                                           | 56640 | High | LTE Band 48     | 20                          | 18.0                  | 17.22            | 0.02     | 0                    | 0881M                                           | QPSK    | 50        | 0       | 10 mm | front      | 1:1.58 | 0.090          | 1.197  | 0.108  |
| 3690.00                                                                                           | 56640 | High | LTE Band 48     | 20                          | 18.0                  | 17.23            | 0.02     | 0                    | 0881M                                           | QPSK    | 1         | 0       | 10 mm | top        | 1:1.58 | 0.031          | 1.194  | 0.037  |
| 3690.00                                                                                           | 56640 | High | LTE Band 48     | 20                          | 18.0                  | 17.22            | 0.02     | 0                    | 0881M                                           | QPSK    | 50        | 0       | 10 mm | top        | 1:1.58 | 0.032          | 1.197  | 0.038  |
| 3690.00                                                                                           | 56640 | High | LTE Band 48     | 20                          | 18.0                  | 17.23            | 0.01     | 0                    | 0881M                                           | QPSK    | 1         | 0       | 10 mm | left       | 1:1.58 | 0.153          | 1.194  | 0.183  |
| 3690.00                                                                                           | 56640 | High | LTE Band 48     | 20                          | 18.0                  | 17.22            | 0.02     | 0                    | 0881M                                           | QPSK    | 50        | 0       | 10 mm | left       | 1:1.58 | 0.151          | 1.197  | 0.181  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |       |            |        |                |        |        |

**Table 11-64**  
**LTE Band 41 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |                      |                                                 |         |           |         |       |            |        |                |        |        |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|---------|-----------|---------|-------|------------|--------|----------------|--------|--------|
| MHz                                                                                               | Ch.   | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side  | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 2506.00                                                                                           | 39750 | Low  | LTE Band 41     | 20                          | 20.5                  | 20.40            | 0.03     | 0                    | 0123M                                           | QPSK    | 1         | 50      | 10 mm | back       | 1:1.58 | 0.222          | 1.023  | 0.227  |
| 2506.00                                                                                           | 39750 | Low  | LTE Band 41     | 20                          | 20.5                  | 20.48            | 0.03     | 0                    | 0123M                                           | QPSK    | 50        | 25      | 10 mm | back       | 1:1.58 | 0.230          | 1.005  | 0.231  |
| 2506.00                                                                                           | 39750 | Low  | LTE Band 41     | 20                          | 20.5                  | 20.40            | 0.03     | 0                    | 0123M                                           | QPSK    | 1         | 50      | 10 mm | front      | 1:1.58 | 0.160          | 1.023  | 0.164  |
| 2506.00                                                                                           | 39750 | Low  | LTE Band 41     | 20                          | 20.5                  | 20.48            | 0.03     | 0                    | 0123M                                           | QPSK    | 50        | 25      | 10 mm | front      | 1:1.58 | 0.165          | 1.005  | 0.166  |
| 2506.00                                                                                           | 39750 | Low  | LTE Band 41     | 20                          | 20.5                  | 20.40            | 0.03     | 0                    | 0123M                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1.58 | 0.438          | 1.023  | 0.448  |
| 2506.00                                                                                           | 39750 | Low  | LTE Band 41     | 20                          | 20.5                  | 20.48            | 0.06     | 0                    | 0123M                                           | QPSK    | 50        | 25      | 10 mm | bottom     | 1:1.58 | 0.446          | 1.005  | 0.448  |
| 2506.00                                                                                           | 39750 | Low  | LTE Band 41     | 20                          | 20.5                  | 20.40            | 0.01     | 0                    | 0123M                                           | QPSK    | 1         | 50      | 10 mm | left       | 1:1.58 | 0.032          | 1.023  | 0.033  |
| 2506.00                                                                                           | 39750 | Low  | LTE Band 41     | 20                          | 20.5                  | 20.48            | 0.01     | 0                    | 0123M                                           | QPSK    | 50        | 25      | 10 mm | left       | 1:1.58 | 0.035          | 1.005  | 0.035  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |       |            |        |                |        |        |

**Table 11-65**  
**NR Band n71 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |                                                 |               |          |            |         |           |         |       |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|---------------|----------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Tune State                                      | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |                                                 |               |          |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | 0.04     | 0                                               | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.221          | 1.334             | 0.295  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | -0.16    | 0                                               | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 10 mm | back       | 1:1      | 0.197          | 1.285             | 0.253  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | 0.18     | 0                                               | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | front      | 1:1      | 0.180          | 1.334             | 0.240  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | -0.14    | 0                                               | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 10 mm | front      | 1:1      | 0.193          | 1.285             | 0.248  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | 0.09     | 0                                               | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | bottom     | 1:1      | 0.028          | 1.334             | 0.037  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | 0.01     | 0                                               | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 10 mm | bottom     | 1:1      | 0.027          | 1.285             | 0.035  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | 0.03     | 0                                               | 2             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | right      | 1:1      | 0.218          | 1.334             | 0.291  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | -0.06    | 0                                               | 2             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 10 mm | right      | 1:1      | 0.233          | 1.285             | 0.299  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.90            | -0.06    | 0                                               | 2             | 0175M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm | right      | 1:1      | 0.197          | 1.288             | 0.254  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | 0.12     | 0                                               | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | left       | 1:1      | 0.170          | 1.334             | 0.227  |  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | 0.05     | 0                                               | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 10 mm | left       | 1:1      | 0.207          | 1.285             | 0.266  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |          |            |         |           |         |       |            |          |                |                   |        |  |

|                                             |                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>PCTEST<br>Proud to be part of element | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 188 of 337                 |



**Table 11-66**  
**NR Band n12 Hotspot SAR – Open**

| MEASUREMENT RESULTS                      |        |      |                 |                             |                       |                  |          |                      |               |          |            |         |           |         |       |            |          |                |                   |        |  |
|------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|----------------------|---------------|----------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Tune State           | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                      | Ch.    |      |                 |                             |                       |                  |          |                      |               |          |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | 0.01     | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.220          | 1.400             | 0.308  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | 0.02     | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 10 mm | back       | 1:1      | 0.231          | 1.387             | 0.320  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | 0.02     | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | front      | 1:1      | 0.223          | 1.400             | 0.312  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | 0.12     | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 10 mm | front      | 1:1      | 0.226          | 1.387             | 0.313  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | -0.09    | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | bottom     | 1:1      | 0.041          | 1.400             | 0.057  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | 0.05     | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 10 mm | bottom     | 1:1      | 0.039          | 1.387             | 0.054  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | -0.02    | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | right      | 1:1      | 0.203          | 1.400             | 0.284  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | -0.04    | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 10 mm | right      | 1:1      | 0.209          | 1.387             | 0.290  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | 0.05     | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm | left       | 1:1      | 0.231          | 1.400             | 0.323  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | 0.06     | 0                    | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 10 mm | left       | 1:1      | 0.236          | 1.387             | 0.327  |  |
| 707.50                                   | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 23.14            | -0.12    | 0                    | 0             | 0177M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm | left       | 1:1      | 0.220          | 1.219             | 0.268  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                 |                             |                       |                  |          | Body                 |               |          |            |         |           |         |       |            |          |                |                   |        |  |
| Spatial Peak                             |        |      |                 |                             |                       |                  |          | 1.6 W/kg (mW/g)      |               |          |            |         |           |         |       |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | averaged over 1 gram |               |          |            |         |           |         |       |            |          |                |                   |        |  |

**Table 11-67**  
**NR Band n5 Hotspot SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                  |          |                      |               |          |            |         |           |         |       |            |          |                |                   |        |  |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|----------------------|---------------|----------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Tune State           | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                      | Ch.    |      |                   |                             |                       |                  |          |                      |               |          |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | 0.03     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 10 mm | back       | 1:1      | 0.308          | 1.312             | 0.404  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.01     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 10 mm | back       | 1:1      | 0.325          | 1.271             | 0.413  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 23.8                  | 22.55            | 0.12     | 0.2                  | 0             | 0183M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.251          | 1.334             | 0.335  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | 0.00     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 10 mm | front      | 1:1      | 0.217          | 1.312             | 0.285  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.01     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 10 mm | front      | 1:1      | 0.224          | 1.271             | 0.285  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | 0.08     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 10 mm | bottom     | 1:1      | 0.108          | 1.312             | 0.142  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.02     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 10 mm | bottom     | 1:1      | 0.109          | 1.271             | 0.139  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | 0.03     | 0                    | 109           | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 10 mm | right      | 1:1      | 0.185          | 1.312             | 0.243  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.09     | 0                    | 109           | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 10 mm | right      | 1:1      | 0.175          | 1.271             | 0.222  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | -0.09    | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 10 mm | left       | 1:1      | 0.082          | 1.312             | 0.108  |  |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.06     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 10 mm | left       | 1:1      | 0.081          | 1.271             | 0.103  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                  |          | Body                 |               |          |            |         |           |         |       |            |          |                |                   |        |  |
| Spatial Peak                             |        |      |                   |                             |                       |                  |          | 1.6 W/kg (mW/g)      |               |          |            |         |           |         |       |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          | averaged over 1 gram |               |          |            |         |           |         |       |            |          |                |                   |        |  |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 189 of 337                 |

**Table 11-68**  
**NR Band n66 Hotspot SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                |                  |                      |            |               |          |            |         |           |         |          |            |          |                |                   |        |  |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------------------|------------|---------------|----------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB]             | Tune State | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                      | Ch.    |      |                   |                             |                       |                |                  |                      |            |               |          |            |         |           |         |          |            | (W/kg)   |                | (W/kg)            |        |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                | 0.04                 | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | back       | 1:1      | 0.433          | 1.102             | 0.477  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                | 0.04                 | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 10 mm    | back       | 1:1      | 0.428          | 1.109             | 0.475  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                | 0.04                 | 0          | 14            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | front      | 1:1      | 0.323          | 1.102             | 0.356  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                | -0.01                | 0          | 14            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 10 mm    | front      | 1:1      | 0.321          | 1.109             | 0.356  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                | -0.07                | 0          | 0             | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | bottom     | 1:1      | 0.716          | 1.102             | 0.789  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                | -0.07                | 0          | 17            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 10 mm    | bottom     | 1:1      | 0.684          | 1.109             | 0.759  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 17.99          | A                | 0.01                 | 0          | 0             | 0218M    | DFT-S-OFDM | QPSK    | 216       | 0       | 10 mm    | bottom     | 1:1      | 0.751          | 1.125             | 0.845  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 17.91          | A                | -0.06                | 0          | 0             | 0218M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | bottom     | 1:1      | 0.733          | 1.146             | 0.840  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                | -0.08                | 0          | 116           | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | right      | 1:1      | 0.053          | 1.102             | 0.058  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                | 0.01                 | 0          | 116           | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 10 mm    | right      | 1:1      | 0.052          | 1.109             | 0.058  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                | -0.04                | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | left       | 1:1      | 0.067          | 1.102             | 0.074  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                | 0.06                 | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 10 mm    | left       | 1:1      | 0.062          | 1.109             | 0.069  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                | 0.02                 | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | back       | 1:1      | 0.260          | 1.091             | 0.284  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                | 0.01                 | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | back       | 1:1      | 0.265          | 1.079             | 0.286  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                | 0.01                 | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | front      | 1:1      | 0.181          | 1.091             | 0.197  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                | 0.01                 | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | front      | 1:1      | 0.182          | 1.079             | 0.196  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                | 0.02                 | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | top        | 1:1      | 0.024          | 1.091             | 0.026  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                | 0.01                 | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | top        | 1:1      | 0.021          | 1.079             | 0.023  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                | 0.02                 | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | right      | 1:1      | 0.387          | 1.091             | 0.422  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                | 0.01                 | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | right      | 1:1      | 0.383          | 1.079             | 0.413  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.72          | I                | 0.01                 | 0          | N/A           | 0879M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | right      | 1:1      | 0.383          | 1.067             | 0.409  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                |                  | Body                 |            |               |          |            |         |           |         |          |            |          |                |                   |        |  |
| Spatial Peak                             |        |      |                   |                             |                       |                |                  | 1.6 W/kg (mW/g)      |            |               |          |            |         |           |         |          |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  | averaged over 1 gram |            |               |          |            |         |           |         |          |            |          |                |                   |        |  |

**Table 11-69**  
**NR Band n25 Hotspot SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                |                  |                      |            |               |          |            |         |           |         |          |            |          |                |                   |        |  |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------------------|------------|---------------|----------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB]             | Tune State | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                      | Ch.    |      |                   |                             |                       |                |                  |                      |            |               |          |            |         |           |         |          |            | (W/kg)   |                | (W/kg)            |        |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.10                 | 0          | 0             | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | back       | 1:1      | 0.370          | 1.222             | 0.452  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.01                 | 0          | 0             | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | back       | 1:1      | 0.356          | 1.245             | 0.443  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.01                 | 0          | 25            | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | front      | 1:1      | 0.357          | 1.222             | 0.436  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.00                 | 0          | 25            | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | front      | 1:1      | 0.347          | 1.245             | 0.432  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.00                 | 0          | 25            | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | bottom     | 1:1      | 0.482          | 1.222             | 0.589  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.00                 | 0          | 25            | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | bottom     | 1:1      | 0.424          | 1.245             | 0.528  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.54          | A                | 0.01                 | 0          | 25            | 0195M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | bottom     | 1:1      | 0.471          | 1.247             | 0.587  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.00                 | 0          | 52            | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | right      | 1:1      | 0.043          | 1.222             | 0.053  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.00                 | 0          | 52            | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | right      | 1:1      | 0.041          | 1.245             | 0.051  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.00                 | 0          | 7             | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | left       | 1:1      | 0.063          | 1.222             | 0.077  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.10                 | 0          | 7             | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 10 mm    | left       | 1:1      | 0.056          | 1.245             | 0.070  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | -0.09                | 0          | N/A           | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | back       | 1:1      | 0.150          | 1.000             | 0.150  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.00                 | 0          | N/A           | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 10 mm    | back       | 1:1      | 0.167          | 1.007             | 0.168  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.09                 | 0          | N/A           | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | front      | 1:1      | 0.102          | 1.000             | 0.102  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.00                 | 0          | N/A           | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 10 mm    | front      | 1:1      | 0.115          | 1.007             | 0.116  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.02                 | 0          | N/A           | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | top        | 1:1      | 0.040          | 1.000             | 0.040  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.10                 | 0          | N/A           | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 10 mm    | top        | 1:1      | 0.040          | 1.007             | 0.040  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.03                 | 0          | N/A           | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 10 mm    | right      | 1:1      | 0.334          | 1.000             | 0.334  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | -0.04                | 0          | N/A           | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 10 mm    | right      | 1:1      | 0.372          | 1.007             | 0.375  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.82          | I                | 0.05                 | 0          | N/A           | 0818M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | right      | 1:1      | 0.470          | 1.042             | 0.490  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                |                  | Body                 |            |               |          |            |         |           |         |          |            |          |                |                   |        |  |
| Spatial Peak                             |        |      |                   |                             |                       |                |                  | 1.6 W/kg (mW/g)      |            |               |          |            |         |           |         |          |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  | averaged over 1 gram |            |               |          |            |         |           |         |          |            |          |                |                   |        |  |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 11-70**  
**NR Band n30 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |                                                 |          |            |         |           |         |          |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|----------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number                                   | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |                                                 |          |            |         |           |         |          |            | (W/kg)   |                | (W/kg)            |        |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | back       | 1:1      | 0.430          | 1.122             | 0.482  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 10 mm    | back       | 1:1      | 0.439          | 1.122             | 0.493  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | front      | 1:1      | 0.288          | 1.122             | 0.323  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 10 mm    | front      | 1:1      | 0.285          | 1.122             | 0.320  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | bottom     | 1:1      | 0.799          | 1.122             | 0.896  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 10 mm    | bottom     | 1:1      | 0.779          | 1.122             | 0.874  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 17.90            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 50        | 0       | 10 mm    | bottom     | 1:1      | 0.779          | 1.148             | 0.894  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 17.92            | 0.00     | 0                                               | 0181M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | bottom     | 1:1      | 0.768          | 1.143             | 0.878  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | right      | 1:1      | 0.031          | 1.122             | 0.035  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 10 mm    | right      | 1:1      | 0.029          | 1.122             | 0.033  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | left       | 1:1      | 0.045          | 1.122             | 0.050  |  |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.00     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 10 mm    | left       | 1:1      | 0.042          | 1.122             | 0.047  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |            |         |           |         |          |            |          |                |                   |        |  |

**Table 11-71**  
**NR Band n41 Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |                                                 |          |            |         |           |         |          |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|----------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number                                   | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |                                                 |          |            |         |           |         |          |            | (W/kg)   |                | (W/kg)            |        |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.10     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | back       | 1:1      | 0.260          | 1.084             | 0.282  |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | 0.13     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | back       | 1:1      | 0.298          | 1.086             | 0.324  |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.03     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | front      | 1:1      | 0.234          | 1.084             | 0.254  |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | 0.01     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | front      | 1:1      | 0.275          | 1.086             | 0.299  |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.01     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | top        | 1:1      | 0.089          | 1.084             | 0.096  |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | 0.02     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | top        | 1:1      | 0.102          | 1.086             | 0.111  |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.02     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | right      | 1:1      | 0.347          | 1.084             | 0.376  |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | -0.01    | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | right      | 1:1      | 0.397          | 1.086             | 0.431  |  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.57            | 0.01     | 0                                               | 0897M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | right      | 1:1      | 0.443          | 1.104             | 0.489  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |            |         |           |         |          |            |          |                |                   |        |  |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 191 of 337                 |

**Table 11-72**  
**NR Band n77 DoD Hotspot SAR – Open**

| MEASUREMENT RESULTS                      |        |        |             |                 |                             |                       |                |                  |                      |               |            |            |         |           |         |          |            |          |                |                   |        |
|------------------------------------------|--------|--------|-------------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------------------|---------------|------------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                |        |        | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB]             | Serial Number | Waveform   | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                      | Ch.    | (W/kg) |             |                 |                             |                       |                |                  |                      |               |            |            |         |           |         |          |            | (W/kg)   |                |                   |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.44                 | F              | 0.01             | 0                    | 0647M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | back     | 1:1        | 0.252    | 1.276          | 0.322             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.43                 | F              | 0.01             | 0                    | 0647M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | back     | 1:1        | 0.249    | 1.279          | 0.318             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.44                 | F              | 0.03             | 0                    | 0647M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | front    | 1:1        | 0.184    | 1.276          | 0.235             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.43                 | F              | 0.01             | 0                    | 0647M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | front    | 1:1        | 0.180    | 1.279          | 0.230             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.44                 | F              | 0.01             | 0                    | 0647M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | top      | 1:1        | 0.154    | 1.276          | 0.197             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.43                 | F              | 0.01             | 0                    | 0647M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | top      | 1:1        | 0.152    | 1.279          | 0.194             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.44                 | F              | 0.02             | 0                    | 0647M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | left     | 1:1        | 0.274    | 1.276          | 0.350             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.43                 | F              | 0.02             | 0                    | 0647M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | left     | 1:1        | 0.281    | 1.279          | 0.359             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 18.5                        | 17.32                 | F              | 0.01             | 0                    | 0647M         | CP-OFDM    | QPSK       | 1       | 1         | 10 mm   | left     | 1:1        | 0.282    | 1.312          | 0.370             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.57                 | I              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | back     | 1:1        | 0.082    | 1.239          | 0.102             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.59                 | I              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | back     | 1:1        | 0.075    | 1.233          | 0.092             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.57                 | I              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | front    | 1:1        | 0.059    | 1.239          | 0.073             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.59                 | I              | 0.01             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | front    | 1:1        | 0.060    | 1.233          | 0.074             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.57                 | I              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | top      | 1:1        | 0.017    | 1.239          | 0.021             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.59                 | I              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | top      | 1:1        | 0.014    | 1.233          | 0.017             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.57                 | I              | 0.01             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | right    | 1:1        | 0.208    | 1.239          | 0.258             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.59                 | I              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | right    | 1:1        | 0.204    | 1.233          | 0.252             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.40                 | I              | 0.02             | 0                    | 0641M         | CP-OFDM    | QPSK       | 1       | 1         | 10 mm   | right    | 1:1        | 0.232    | 1.288          | 0.299             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.05                 | E              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | back     | 1:1        | 0.107    | 1.396          | 0.149             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.06                 | E              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | back     | 1:1        | 0.095    | 1.393          | 0.132             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.05                 | E              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | front    | 1:1        | 0.091    | 1.396          | 0.127             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.06                 | E              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | front    | 1:1        | 0.088    | 1.393          | 0.123             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.05                 | E              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | top      | 1:1        | 0.007    | 1.396          | 0.010             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.06                 | E              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | top      | 1:1        | 0.010    | 1.393          | 0.014             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.05                 | E              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | left     | 1:1        | 0.141    | 1.396          | 0.197             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.06                 | E              | 0.02             | 0                    | 0641M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | left     | 1:1        | 0.144    | 1.393          | 0.201             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 16.5                        | 15.02                 | E              | 0.02             | 0                    | 0641M         | CP-OFDM    | QPSK       | 1       | 1         | 10 mm   | left     | 1:1        | 0.141    | 1.406          | 0.198             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.82                 | C              | 0.02             | 0                    | 0831M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | back     | 1:1        | 0.074    | 1.042          | 0.077             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.78                 | C              | 0.03             | 0                    | 0831M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | back     | 1:1        | 0.069    | 1.052          | 0.073             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.82                 | C              | 0.01             | 0                    | 0831M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | front    | 1:1        | 0.053    | 1.042          | 0.055             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.78                 | C              | 0.02             | 0                    | 0831M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | front    | 1:1        | 0.054    | 1.052          | 0.057             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.82                 | C              | 0.03             | 0                    | 0831M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | bottom   | 1:1        | 0.022    | 1.042          | 0.023             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.78                 | C              | 0.02             | 0                    | 0831M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | bottom   | 1:1        | 0.019    | 1.052          | 0.020             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.82                 | C              | 0.03             | 0                    | 0831M         | DFT-S-OFDM | QPSK       | 1       | 137       | 10 mm   | left     | 1:1        | 0.154    | 1.042          | 0.160             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.78                 | C              | 0.03             | 0                    | 0831M         | DFT-S-OFDM | QPSK       | 135     | 69        | 10 mm   | left     | 1:1        | 0.152    | 1.052          | 0.160             |        |
| 3500.01                                  | 633334 | Mid    | NR Band n77 | 100             | 12.0                        | 11.70                 | C              | 0.03             | 0                    | 0831M         | CP-OFDM    | QPSK       | 1       | 1         | 10 mm   | left     | 1:1        | 0.163    | 1.072          | 0.175             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |        |             |                 |                             |                       |                |                  | Body                 |               |            |            |         |           |         |          |            |          |                |                   |        |
| Spatial Peak                             |        |        |             |                 |                             |                       |                |                  | 1.6 W/kg (mW/g)      |               |            |            |         |           |         |          |            |          |                |                   |        |
| Uncontrolled Exposure/General Population |        |        |             |                 |                             |                       |                |                  | averaged over 1 gram |               |            |            |         |           |         |          |            |          |                |                   |        |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 192 of 337                 |

**Table 11-73**  
**NR Band n77 Hotspot SAR – Open**

| MEASUREMENT RESULTS                      |        |      |                 |                             |                       |                |                  |          |                      |          |            |         |           |         |          |            |          |                |                   |        |  |
|------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|----------------------|----------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Serial Number        | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                      | Ch.    |      |                 |                             |                       |                |                  |          |                      |          |            |         |           |         |          |            | (W/kg)   |                | (W/kg)            |        |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.50          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | back       | 1:1      | 0.235          | 1.000             | 0.235  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.47          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 10 mm    | back       | 1:1      | 0.238          | 1.007             | 0.240  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.50          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | front      | 1:1      | 0.166          | 1.000             | 0.166  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.47          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 10 mm    | front      | 1:1      | 0.171          | 1.007             | 0.172  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.50          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | top        | 1:1      | 0.123          | 1.000             | 0.123  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.47          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 10 mm    | top        | 1:1      | 0.123          | 1.007             | 0.124  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.50          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | left       | 1:1      | 0.345          | 1.000             | 0.345  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.47          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 10 mm    | left       | 1:1      | 0.332          | 1.007             | 0.334  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.24          | F                | 0.02     | 0                    | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | left       | 1:1      | 0.359          | 1.062             | 0.381  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | I                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | back       | 1:1      | 0.079          | 1.213             | 0.096  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | I                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | back       | 1:1      | 0.079          | 1.208             | 0.095  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | I                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | front      | 1:1      | 0.067          | 1.213             | 0.081  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | I                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | front      | 1:1      | 0.063          | 1.208             | 0.076  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | I                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | top        | 1:1      | 0.006          | 1.213             | 0.007  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | I                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | top        | 1:1      | 0.009          | 1.208             | 0.011  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | I                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 10 mm    | right      | 1:1      | 0.100          | 1.213             | 0.121  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | I                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | right      | 1:1      | 0.094          | 1.208             | 0.114  |  |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.61          | I                | 0.02     | 0                    | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | right      | 1:1      | 0.102          | 1.227             | 0.125  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | E                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | back       | 1:1      | 0.160          | 1.084             | 0.173  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | E                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | back       | 1:1      | 0.154          | 1.096             | 0.169  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | E                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | front      | 1:1      | 0.121          | 1.084             | 0.131  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | E                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | front      | 1:1      | 0.123          | 1.096             | 0.135  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | E                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | top        | 1:1      | 0.006          | 1.084             | 0.007  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | E                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | top        | 1:1      | 0.007          | 1.096             | 0.008  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | E                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | left       | 1:1      | 0.270          | 1.084             | 0.293  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | E                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | left       | 1:1      | 0.269          | 1.096             | 0.295  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 16.5                  | 15.90          | E                | 0.02     | 0                    | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | left       | 1:1      | 0.259          | 1.148             | 0.297  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | C                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | back       | 1:1      | 0.048          | 1.062             | 0.051  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | C                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | back       | 1:1      | 0.045          | 1.081             | 0.049  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | C                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | front      | 1:1      | 0.033          | 1.062             | 0.035  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | C                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | front      | 1:1      | 0.036          | 1.081             | 0.039  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | C                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | bottom     | 1:1      | 0.005          | 1.062             | 0.005  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | C                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | bottom     | 1:1      | 0.010          | 1.081             | 0.011  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | C                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 10 mm    | left       | 1:1      | 0.093          | 1.062             | 0.099  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | C                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 10 mm    | left       | 1:1      | 0.096          | 1.081             | 0.104  |  |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.63          | C                | 0.02     | 0                    | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 10 mm    | left       | 1:1      | 0.098          | 1.089             | 0.107  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                 |                             |                       |                |                  |          | Body                 |          |            |         |           |         |          |            |          |                |                   |        |  |
| Spatial Peak                             |        |      |                 |                             |                       |                |                  |          | 1.6 W/kg (mW/g)      |          |            |         |           |         |          |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                |                  |          | averaged over 1 gram |          |            |         |           |         |          |            |          |                |                   |        |  |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 11-74**  
**WLAN SISO Hotspot SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |       |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 10 mm                                           | 2               | Q               | 1599S                | 1                | back  | 99.9           | 0.130                 | -        | 1.012                  | 1.001                       | -                 |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 10 mm                                           | 2               | Q               | 1599S                | 1                | front | 99.9           | 0.142                 | -        | 1.012                  | 1.001                       | -                 |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 10 mm                                           | 2               | Q               | 1599S                | 1                | top   | 99.9           | 0.084                 | -        | 1.012                  | 1.001                       | -                 |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 10 mm                                           | 2               | Q               | 1599S                | 1                | left  | 99.9           | 0.143                 | 0.126    | 1.012                  | 1.001                       | 0.128             |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.01             | 10 mm                                           | 2               | N               | 0115S                | 1                | back  | 99.9           | 0.147                 | -        | 1.035                  | 1.001                       | -                 |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.01             | 10 mm                                           | 2               | N               | 0115S                | 1                | front | 99.9           | 0.122                 | -        | 1.035                  | 1.001                       | -                 |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.01             | 10 mm                                           | 2               | N               | 0115S                | 1                | top   | 99.9           | 0.106                 | -        | 1.035                  | 1.001                       | -                 |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.01             | 10 mm                                           | 2               | N               | 0115S                | 1                | left  | 99.9           | 0.195                 | 0.121    | 1.035                  | 1.001                       | 0.125             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.00             | 10 mm                                           | 1               | Q               | 1598S                | 6                | back  | 98.9           | 0.307                 | 0.220    | 1.038                  | 1.011                       | 0.231             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.00             | 10 mm                                           | 1               | Q               | 1598S                | 6                | front | 98.9           | 0.201                 | -        | 1.038                  | 1.011                       | -                 |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.00             | 10 mm                                           | 1               | Q               | 1598S                | 6                | top   | 98.9           | 0.107                 | -        | 1.038                  | 1.011                       | -                 |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.00             | 10 mm                                           | 1               | Q               | 1598S                | 6                | right | 98.9           | 0.075                 | -        | 1.038                  | 1.011                       | -                 |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.02             | 10 mm                                           | 1               | N               | 0677M                | 6                | back  | 98.9           | 0.054                 | -        | 1.009                  | 1.011                       | -                 |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.01             | 10 mm                                           | 1               | N               | 0677M                | 6                | front | 98.9           | 0.057                 | -        | 1.009                  | 1.011                       | -                 |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.02             | 10 mm                                           | 1               | N               | 0677M                | 6                | top   | 98.9           | 0.115                 | 0.088    | 1.009                  | 1.011                       | 0.090             |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.01             | 10 mm                                           | 1               | N               | 0677M                | 6                | right | 98.9           | 0.029                 | -        | 1.009                  | 1.011                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |

**Table 11-75**  
**WLAN SISO Hotspot SAR for Conditions with 2.4 GHz and 5 GHz WLAN SAR and/or with 5G NR- Open**

| MEASUREMENT RESULTS                                                                               |     |          |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|----------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |          |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |       |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                                                                              | 6   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 10 mm                                           | 2               | Q               | 1598S                | 1                | back  | 99.9           | 0.073                 | 0.058    | 1.002                  | 1.001                       | 0.058             |        |
| 2437                                                                                              | 6   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.01             | 10 mm                                           | 2               | Q               | 1598S                | 1                | front | 99.9           | 0.093                 | 0.069    | 1.002                  | 1.001                       | 0.069             |        |
| 2437                                                                                              | 6   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 10 mm                                           | 2               | Q               | 1598S                | 1                | top   | 99.9           | 0.117                 | 0.086    | 1.002                  | 1.001                       | 0.086             |        |
| 2437                                                                                              | 6   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.01             | 10 mm                                           | 2               | Q               | 1598S                | 1                | left  | 99.9           | 0.095                 | 0.074    | 1.002                  | 1.001                       | 0.074             |        |
| 2412                                                                                              | 1   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.01             | 10 mm                                           | 2               | N               | 0115S                | 1                | back  | 99.9           | 0.061                 | 0.053    | 1.002                  | 1.001                       | 0.053             |        |
| 2412                                                                                              | 1   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 10 mm                                           | 2               | N               | 0115S                | 1                | front | 99.9           | 0.048                 | 0.043    | 1.002                  | 1.001                       | 0.043             |        |
| 2412                                                                                              | 1   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 10 mm                                           | 2               | N               | 0115S                | 1                | top   | 99.9           | 0.052                 | 0.039    | 1.002                  | 1.001                       | 0.039             |        |
| 2412                                                                                              | 1   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 10 mm                                           | 2               | N               | 0115S                | 1                | left  | 99.9           | 0.080                 | 0.060    | 1.002                  | 1.001                       | 0.060             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.55                 | 0.01             | 10 mm                                           | 1               | Q               | 1600S                | 29.3             | back  | 99.7           | 0.000                 | 0.000    | 1.109                  | 1.003                       | 0.000             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.55                 | 0.02             | 10 mm                                           | 1               | Q               | 1600S                | 29.3             | front | 99.7           | 0.000                 | 0.000    | 1.109                  | 1.003                       | 0.000             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.55                 | 0.00             | 10 mm                                           | 1               | Q               | 1600S                | 29.3             | top   | 99.7           | 0.037                 | 0.017    | 1.109                  | 1.003                       | 0.019             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.55                 | 0.02             | 10 mm                                           | 1               | Q               | 1600S                | 29.3             | right | 99.7           | 0.004                 | 0.000    | 1.109                  | 1.003                       | 0.000             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.57                 | 0.00             | 10 mm                                           | 1               | N               | 0677M                | 29.3             | back  | 99.7           | 0.013                 | 0.000    | 1.104                  | 1.003                       | 0.000             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.57                 | 0.00             | 10 mm                                           | 1               | N               | 0677M                | 29.3             | front | 99.7           | 0.008                 | 0.000    | 1.104                  | 1.003                       | 0.000             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.57                 | 0.01             | 10 mm                                           | 1               | N               | 0677M                | 29.3             | top   | 99.7           | 0.044                 | 0.020    | 1.104                  | 1.003                       | 0.022             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.57                 | 0.01             | 10 mm                                           | 1               | N               | 0677M                | 29.3             | right | 99.7           | 0.005                 | 0.002    | 1.104                  | 1.003                       | 0.002             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |

Note: 2.4 GHZ WLAN and 5GHz WLAN SISO were additionally evaluated at the maximum allowed output power during operations with Simultaneous 2.4 GHz WLAN and 5 GHz WLAN and/or 5G NR active. 5GHz WLAN and/or 5G NR were not transmitting during 2.4GHz WLAN evaluations and 2.4GHz WLAN and/or 5G NR were not transmitting during 5GHz WLAN evaluations

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 194 of 337                 |

**Table 11-76**  
**WLAN MIMO Hotspot SAR - Open**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |       |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.00             | 10 mm                | MIMO            | Q               | 1598S                | 1                | back  | 99.9           | 0.411                 | 0.335    | 1.012                  | 1.001                       | 0.339             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.01             | 10 mm                | MIMO            | Q               | 1598S                | 1                | front | 99.9           | 0.397                 | -        | 1.012                  | 1.001                       | -                 |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.00             | 10 mm                | MIMO            | Q               | 1598S                | 1                | top   | 99.9           | 0.245                 | -        | 1.012                  | 1.001                       | -                 |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.00             | 10 mm                | MIMO            | Q               | 1598S                | 1                | right | 99.9           | 0.123                 | 0.102    | 1.012                  | 1.001                       | 0.103             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.01             | 10 mm                | MIMO            | Q               | 1598S                | 1                | left  | 99.9           | 0.323                 | -        | 1.012                  | 1.001                       | -                 |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.00             | 10 mm                | MIMO            | N               | 0115S                | 1                | back  | 99.9           | 0.617                 | 0.505    | 1.081                  | 1.001                       | 0.546             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.00             | 10 mm                | MIMO            | N               | 0115S                | 1                | Front | 99.9           | 0.512                 | 0.406    | 1.081                  | 1.001                       | 0.439             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.00             | 10 mm                | MIMO            | N               | 0115S                | 1                | top   | 99.9           | 0.452                 | -        | 1.081                  | 1.001                       | -                 |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.00             | 10 mm                | MIMO            | N               | 0115S                | 1                | right | 99.9           | 0.180                 | 0.136    | 1.081                  | 1.001                       | 0.147             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.00             | 10 mm                | MIMO            | N               | 0115S                | 1                | left  | 99.9           | 0.503                 | -        | 1.081                  | 1.001                       | -                 |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.02             | 10 mm                | MIMO            | Q               | 1598S                | 13               | back  | 99.7           | 0.289                 | 0.208    | 1.079                  | 1.003                       | 0.225             |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.01             | 10 mm                | MIMO            | Q               | 1598S                | 13               | front | 99.7           | 0.168                 | -        | 1.079                  | 1.003                       | -                 |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.02             | 10 mm                | MIMO            | Q               | 1598S                | 13               | top   | 99.7           | 0.157                 | -        | 1.079                  | 1.003                       | -                 |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.01             | 10 mm                | MIMO            | Q               | 1598S                | 13               | right | 99.7           | 0.072                 | -        | 1.079                  | 1.003                       | -                 |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.01             | 10 mm                | MIMO            | Q               | 1598S                | 13               | left  | 99.7           | 0.179                 | -        | 1.079                  | 1.003                       | -                 |        |
| 5745                                     | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.02             | 10 mm                | MIMO            | N               | 0677M                | 13               | back  | 99.8           | 0.224                 | -        | 1.064                  | 1.002                       | -                 |        |
| 5745                                     | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.02             | 10 mm                | MIMO            | N               | 0677M                | 13               | front | 99.8           | 0.204                 | -        | 1.064                  | 1.002                       | -                 |        |
| 5745                                     | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.01             | 10 mm                | MIMO            | N               | 0677M                | 13               | top   | 99.8           | 0.431                 | 0.271    | 1.064                  | 1.002                       | 0.289             |        |
| 5745                                     | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.02             | 10 mm                | MIMO            | N               | 0677M                | 13               | right | 99.8           | 0.039                 | -        | 1.064                  | 1.002                       | -                 |        |
| 5745                                     | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.02             | 10 mm                | MIMO            | N               | 0677M                | 13               | left  | 99.8           | 0.185                 | -        | 1.064                  | 1.002                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  | Body                 |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |

Note: To achieve the 22.0 dBm maximum allowed MIMO power shown in the documentation, for channel 11 and 6, each antenna transmits at a maximum allowed power of 19.0 dBm. To achieve the 21.0 dBm maximum allowed MIMO power shown in the documentation, for channel 157 and 149, each antenna transmits at a maximum allowed power of 18.0 dBm.

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 195 of 337                 |

Table 11-77

## WLAN MIMO Hotspot SAR for Conditions with 2.4 GHz and 5 GHz WLAN SAR and/or with 5G NR - Open

| MEASUREMENT RESULTS                      |     |          |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|----------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |          |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |       |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.01             | 10 mm                | MIMO            | Q               | 2044M                | 13               | back  | 99.7           | 0.078                 | 0.066    | 1.059                  | 1.003                       | 0.070             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.02             | 10 mm                | MIMO            | Q               | 2044M                | 13               | front | 99.7           | 0.071                 | 0.058    | 1.059                  | 1.003                       | 0.062             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.02             | 10 mm                | MIMO            | Q               | 2044M                | 13               | top   | 99.7           | 0.064                 | 0.063    | 1.059                  | 1.003                       | 0.067             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.01             | 10 mm                | MIMO            | Q               | 2044M                | 13               | right | 99.7           | 0.018                 | 0.015    | 1.059                  | 1.003                       | 0.016             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.02             | 10 mm                | MIMO            | Q               | 2044M                | 13               | left  | 99.7           | 0.076                 | 0.069    | 1.059                  | 1.003                       | 0.073             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.01             | 10 mm                | MIMO            | N               | 0115S                | 13               | back  | 99.7           | 0.098                 | 0.083    | 1.064                  | 1.003                       | 0.089             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.02             | 10 mm                | MIMO            | N               | 0115S                | 13               | front | 99.7           | 0.094                 | 0.074    | 1.064                  | 1.003                       | 0.079             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.02             | 10 mm                | MIMO            | N               | 0115S                | 13               | top   | 99.7           | 0.059                 | 0.051    | 1.064                  | 1.003                       | 0.054             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.02             | 10 mm                | MIMO            | N               | 0115S                | 13               | right | 99.7           | 0.028                 | 0.022    | 1.064                  | 1.003                       | 0.023             |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.02             | 10 mm                | MIMO            | N               | 0115S                | 13               | left  | 99.7           | 0.075                 | 0.074    | 1.064                  | 1.003                       | 0.079             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.00             | 10 mm                | MIMO            | Q               | 1600S                | 58.5             | back  | 99.7           | 0.057                 | 0.039    | 1.256                  | 1.003                       | 0.049             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.00             | 10 mm                | MIMO            | Q               | 1600S                | 58.5             | front | 99.7           | 0.057                 | 0.023    | 1.256                  | 1.003                       | 0.029             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.02             | 10 mm                | MIMO            | Q               | 1600S                | 58.5             | top   | 99.7           | 0.043                 | 0.013    | 1.256                  | 1.003                       | 0.016             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.03             | 10 mm                | MIMO            | Q               | 1600S                | 58.5             | right | 99.7           | 0.002                 | 0.000    | 1.256                  | 1.003                       | 0.000             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.01             | 10 mm                | MIMO            | Q               | 1600S                | 58.5             | left  | 99.7           | 0.063                 | 0.036    | 1.256                  | 1.003                       | 0.045             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.02             | 10 mm                | MIMO            | N               | 0677M                | 58.5             | back  | 99.7           | 0.103                 | 0.061    | 1.099                  | 1.003                       | 0.067             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.01             | 10 mm                | MIMO            | N               | 0677M                | 58.5             | front | 99.7           | 0.095                 | 0.062    | 1.099                  | 1.003                       | 0.068             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.00             | 10 mm                | MIMO            | N               | 0677M                | 58.5             | top   | 99.7           | 0.083                 | 0.050    | 1.099                  | 1.003                       | 0.055             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.01             | 10 mm                | MIMO            | N               | 0677M                | 58.5             | right | 99.7           | 0.029                 | 0.006    | 1.099                  | 1.003                       | 0.007             |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.02             | 10 mm                | MIMO            | N               | 0677M                | 58.5             | left  | 99.7           | 0.111                 | 0.071    | 1.099                  | 1.003                       | 0.078             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                 |                                     |                               |                                     |                               |                  | Body                 |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |          |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |          |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |

Note: 2.4 GHZ WLAN and 5GHz WLAN MIMO were additionally evaluated at the maximum allowed output power during operations with Simultaneous 2.4 GHz WLAN and 5 GHz WLAN and/or 5G NR active. 5GHz WLAN and/or 5G NR were not transmitting during 2.4GHz WLAN evaluations and 2.4GHz WLAN and/or 5G NR were not transmitting during 5GHz WLAN evaluations

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 196 of 337                        |



**Table 11-78**  
**DSS Hotspot SAR - Open**

| MEASUREMENT RESULTS                      |     |           |         |                       |                 |                  |                      |                 |                 |                      |                  |       |                |          |                             |                             |                          |        |
|------------------------------------------|-----|-----------|---------|-----------------------|-----------------|------------------|----------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|----------|-----------------------------|-----------------------------|--------------------------|--------|
| FREQUENCY                                |     | Mode      | Service | Maximum Allowed Power | Conducted Power | Power Drift [dB] | Spacing              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) (W/kg) | Plot # |
| MHz                                      | Ch. |           |         |                       |                 |                  |                      |                 |                 |                      |                  |       |                | (W/kg)   |                             |                             |                          |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                  | 15.43           | 0.02             | 10 mm                | 1               | Q               | 2044M                | 1                | back  | 76.80          | 0.103    | 1.140                       | 1.302                       | 0.153                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                  | 15.43           | 0.01             | 10 mm                | 1               | Q               | 2044M                | 1                | front | 76.80          | 0.068    | 1.140                       | 1.302                       | 0.101                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                  | 15.43           | 0.02             | 10 mm                | 1               | Q               | 2044M                | 1                | top   | 76.80          | 0.044    | 1.140                       | 1.302                       | 0.065                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                  | 15.43           | 0.02             | 10 mm                | 1               | Q               | 2044M                | 1                | right | 76.80          | 0.022    | 1.140                       | 1.302                       | 0.033                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 17.0                  | 16.61           | 0.01             | 10 mm                | 2               | Q               | 2044M                | 1                | back  | 76.80          | 0.050    | 1.094                       | 1.302                       | 0.071                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 17.0                  | 16.61           | 0.02             | 10 mm                | 2               | Q               | 2044M                | 1                | front | 76.80          | 0.067    | 1.094                       | 1.302                       | 0.095                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 17.0                  | 16.61           | 0.03             | 10 mm                | 2               | Q               | 2044M                | 1                | top   | 76.80          | 0.045    | 1.094                       | 1.302                       | 0.064                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 17.0                  | 16.61           | 0.01             | 10 mm                | 2               | Q               | 2044M                | 1                | left  | 76.80          | 0.058    | 1.094                       | 1.302                       | 0.083                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                  | 15.55           | 0.01             | 10 mm                | 1               | N               | 0694M                | 1                | back  | 76.80          | 0.069    | 1.109                       | 1.302                       | 0.100                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                  | 15.55           | 0.02             | 10 mm                | 1               | N               | 0694M                | 1                | front | 76.80          | 0.045    | 1.109                       | 1.302                       | 0.065                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                  | 15.55           | 0.01             | 10 mm                | 1               | N               | 0694M                | 1                | top   | 76.80          | 0.030    | 1.109                       | 1.302                       | 0.043                    |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                  | 15.55           | 0.01             | 10 mm                | 1               | N               | 0694M                | 1                | right | 76.80          | 0.015    | 1.109                       | 1.302                       | 0.022                    |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 17.0                  | 16.60           | 0.01             | 10 mm                | 2               | N               | 0694M                | 1                | back  | 76.80          | 0.093    | 1.096                       | 1.302                       | 0.133                    |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 17.0                  | 16.60           | 0.01             | 10 mm                | 2               | N               | 0694M                | 1                | front | 76.80          | 0.110    | 1.096                       | 1.302                       | 0.157                    |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 17.0                  | 16.60           | 0.01             | 10 mm                | 2               | N               | 0694M                | 1                | top   | 76.80          | 0.069    | 1.096                       | 1.302                       | 0.098                    |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 17.0                  | 16.60           | 0.02             | 10 mm                | 2               | N               | 0694M                | 1                | left  | 76.80          | 0.116    | 1.096                       | 1.302                       | 0.166                    |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |           |         |                       |                 |                  | Body                 |                 |                 |                      |                  |       |                |          |                             |                             |                          |        |
| Spatial Peak                             |     |           |         |                       |                 |                  | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |       |                |          |                             |                             |                          |        |
| Uncontrolled Exposure/General Population |     |           |         |                       |                 |                  | averaged over 1 gram |                 |                 |                      |                  |       |                |          |                             |                             |                          |        |

|                            |                                                                                                                                                 |                              |                                                                                       |                        |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|------------------------|
| FCC ID: A3LSMF711U         |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b> |  | <b>Approved by:</b>    |
|                            |                                                                                                                                                 |                              |                                                                                       | Quality Manager        |
| <b>Document S/N:</b>       | <b>Test Dates:</b>                                                                                                                              | <b>DUT Type:</b>             |                                                                                       | <b>Page 197 of 337</b> |
| 1M2104070032-01.A3L (Rev1) | 04/08/21 – 06/03/21                                                                                                                             | Portable Handset             |                                                                                       |                        |

## 11.4 Standalone Open Phablet SAR Data

Table 11-79  
GPRS/UMTS/CDMA Phablet SAR Data - Open

| MEASUREMENT RESULTS                                                                               |      |           |             |                             |                       |            |                  |                                                      |                      |                 |            |        |           |                |                    |        |
|---------------------------------------------------------------------------------------------------|------|-----------|-------------|-----------------------------|-----------------------|------------|------------------|------------------------------------------------------|----------------------|-----------------|------------|--------|-----------|----------------|--------------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Spacing                                              | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |
| MHz                                                                                               | Ch.  |           |             |                             |                       |            |                  |                                                      |                      |                 |            |        | (W/kg)    |                | (W/kg)             |        |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 24.0                        | 23.34                 | 25         | -0.03            | 8 mm                                                 | 0765M                | N/A             | 1:1        | back   | 0.864     | 1.164          | 1.006              |        |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 24.0                        | 23.34                 | 24         | 0.11             | 6 mm                                                 | 0765M                | N/A             | 1:1        | front  | 1.090     | 1.164          | 1.269              | A94    |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 24.0                        | 23.34                 | 25         | -0.02            | 11 mm                                                | 0765M                | N/A             | 1:1        | bottom | 0.858     | 1.164          | 0.999              |        |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 24.0                        | 23.34                 | 20         | 0.16             | 0 mm                                                 | 0765M                | N/A             | 1:1        | right  | 0.334     | 1.164          | 0.389              |        |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 24.0                        | 23.34                 | 23         | 0.06             | 0 mm                                                 | 0765M                | N/A             | 1:1        | left   | 0.329     | 1.164          | 0.383              |        |
| 1908.75                                                                                           | 1175 | PCS CDMA  | EVDO Rev. 0 | 22.0                        | 21.12                 | 20         | 0.06             | 0 mm                                                 | 0765M                | N/A             | 1:1        | back   | 0.540     | 1.225          | 0.662              |        |
| 1908.75                                                                                           | 1175 | PCS CDMA  | EVDO Rev. 0 | 22.0                        | 21.12                 | 46         | 0.01             | 0 mm                                                 | 0765M                | N/A             | 1:1        | front  | 0.330     | 1.225          | 0.404              |        |
| 1908.75                                                                                           | 1175 | PCS CDMA  | EVDO Rev. 0 | 22.0                        | 21.12                 | 46         | 0.10             | 0 mm                                                 | 0765M                | N/A             | 1:1        | bottom | 0.763     | 1.225          | 0.935              |        |
| 1850.20                                                                                           | 512  | GSM 1900  | GPRS        | 26.5                        | 25.36                 | N/A        | -0.06            | 8 mm                                                 | 0765M                | 3               | 1:2.76     | back   | 0.531     | 1.300          | 0.690              |        |
| 1850.20                                                                                           | 512  | GSM 1900  | GPRS        | 26.5                        | 25.36                 | N/A        | 0.07             | 6 mm                                                 | 0765M                | 3               | 1:2.76     | front  | 0.651     | 1.300          | 0.846              |        |
| 1850.20                                                                                           | 512  | GSM 1900  | GPRS        | 26.5                        | 25.36                 | N/A        | 0.00             | 11 mm                                                | 0765M                | 3               | 1:2.76     | bottom | 0.546     | 1.300          | 0.710              |        |
| 1850.20                                                                                           | 512  | GSM 1900  | GPRS        | 26.5                        | 25.36                 | N/A        | 0.02             | 0 mm                                                 | 0765M                | 3               | 1:2.76     | right  | 0.214     | 1.300          | 0.278              |        |
| 1850.20                                                                                           | 512  | GSM 1900  | GPRS        | 26.5                        | 25.36                 | N/A        | 0.00             | 0 mm                                                 | 0765M                | 3               | 1:2.76     | left   | 0.207     | 1.300          | 0.269              |        |
| 1850.20                                                                                           | 512  | GSM 1900  | GPRS        | 23.0                        | 22.31                 | N/A        | -0.14            | 0 mm                                                 | 0760M                | 4               | 1:2.076    | back   | 1.480     | 1.172          | 1.735              |        |
| 1880.00                                                                                           | 661  | GSM 1900  | GPRS        | 23.0                        | 22.00                 | N/A        | -0.03            | 0 mm                                                 | 0760M                | 4               | 1:2.076    | back   | 1.520     | 1.259          | 1.914              | A95    |
| 1909.80                                                                                           | 810  | GSM 1900  | GPRS        | 23.0                        | 22.34                 | N/A        | -0.03            | 0 mm                                                 | 0760M                | 4               | 1:2.076    | back   | 1.300     | 1.164          | 1.513              |        |
| 1909.80                                                                                           | 810  | GSM 1900  | GPRS        | 23.0                        | 22.34                 | N/A        | -0.03            | 0 mm                                                 | 0760M                | 4               | 1:2.076    | front  | 0.848     | 1.164          | 0.987              |        |
| 1909.80                                                                                           | 810  | GSM 1900  | GPRS        | 23.0                        | 22.34                 | N/A        | -0.02            | 0 mm                                                 | 0760M                | 4               | 1:2.076    | bottom | 0.760     | 1.164          | 0.885              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.0                        | 23.70                 | 0          | 0.09             | 8 mm                                                 | 0765M                | N/A             | 1:1        | back   | 1.010     | 1.072          | 1.083              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.0                        | 23.70                 | 0          | -0.01            | 6 mm                                                 | 0765M                | N/A             | 1:1        | front  | 0.318     | 1.072          | 0.341              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.0                        | 23.70                 | 52         | -0.09            | 11 mm                                                | 0765M                | N/A             | 1:1        | bottom | 0.505     | 1.072          | 0.541              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.0                        | 23.70                 | 0          | 0.05             | 0 mm                                                 | 0765M                | N/A             | 1:1        | right  | 0.229     | 1.072          | 0.245              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.0                        | 23.70                 | 52         | -0.06            | 0 mm                                                 | 0765M                | N/A             | 1:1        | left   | 0.275     | 1.072          | 0.295              |        |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC         | 21.0                        | 20.03                 | 18         | 0.08             | 0 mm                                                 | 0765M                | N/A             | 1:1        | back   | 1.590     | 1.250          | 1.988              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 21.0                        | 20.00                 | 18         | 0.08             | 0 mm                                                 | 0765M                | N/A             | 1:1        | back   | 1.710     | 1.259          | 2.153              |        |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC         | 21.0                        | 19.87                 | 18         | 0.10             | 0 mm                                                 | 0765M                | N/A             | 1:1        | back   | 1.860     | 1.297          | 2.412              | A96    |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC         | 21.0                        | 20.03                 | 18         | 0.09             | 0 mm                                                 | 0765M                | N/A             | 1:1        | front  | 1.080     | 1.250          | 1.350              |        |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC         | 21.0                        | 20.03                 | 7          | -0.05            | 0 mm                                                 | 0765M                | N/A             | 1:1        | bottom | 1.790     | 1.250          | 2.238              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 21.0                        | 20.00                 | 0          | -0.08            | 0 mm                                                 | 0765M                | N/A             | 1:1        | bottom | 1.740     | 1.259          | 2.191              |        |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC         | 21.0                        | 19.87                 | 0          | -0.06            | 0 mm                                                 | 0765M                | N/A             | 1:1        | bottom | 1.530     | 1.297          | 1.984              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.0                        | 23.82                 | 52         | 0.08             | 8 mm                                                 | 0765M                | N/A             | 1:1        | back   | 0.970     | 1.042          | 1.011              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.0                        | 23.82                 | 7          | 0.04             | 6 mm                                                 | 0765M                | N/A             | 1:1        | front  | 0.837     | 1.042          | 0.872              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.0                        | 23.82                 | 23         | 0.01             | 11 mm                                                | 0765M                | N/A             | 1:1        | bottom | 0.905     | 1.042          | 0.943              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.0                        | 23.82                 | 5          | -0.08            | 0 mm                                                 | 0765M                | N/A             | 1:1        | right  | 0.254     | 1.042          | 0.265              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.0                        | 23.82                 | 8          | -0.08            | 0 mm                                                 | 0765M                | N/A             | 1:1        | left   | 0.372     | 1.042          | 0.388              |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC         | 22.0                        | 21.38                 | 14         | 0.06             | 0 mm                                                 | 0765M                | N/A             | 1:1        | back   | 2.540     | 1.153          | 2.929              | A97    |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 22.0                        | 21.42                 | 21         | 0.11             | 0 mm                                                 | 0765M                | N/A             | 1:1        | back   | 2.470     | 1.143          | 2.823              |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC         | 22.0                        | 21.40                 | 108        | 0.08             | 0 mm                                                 | 0765M                | N/A             | 1:1        | back   | 2.500     | 1.148          | 2.870              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 22.0                        | 21.42                 | 8          | 0.02             | 0 mm                                                 | 0765M                | N/A             | 1:1        | front  | 1.560     | 1.143          | 1.783              |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC         | 22.0                        | 21.38                 | 9          | -0.01            | 0 mm                                                 | 0765M                | N/A             | 1:1        | bottom | 1.600     | 1.153          | 1.845              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 22.0                        | 21.42                 | 7          | 0.04             | 0 mm                                                 | 0765M                | N/A             | 1:1        | bottom | 1.860     | 1.143          | 2.126              |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC         | 22.0                        | 21.40                 | 63         | 0.08             | 0 mm                                                 | 0765M                | N/A             | 1:1        | bottom | 1.790     | 1.148          | 2.055              |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |           |             |                             |                       |            |                  | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |                      |                 |            |        |           |                |                    |        |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 198 of 337                 |

**Table 11-80**  
**LTE Band 66 Phablet SAR – Open**

| MEASUREMENT RESULTS                      |                   |           |        |      |                   |                             |                       |            |                  |          |                        |            |         |           |         |       |            |           |                |                    |        |     |
|------------------------------------------|-------------------|-----------|--------|------|-------------------|-----------------------------|-----------------------|------------|------------------|----------|------------------------|------------|---------|-----------|---------|-------|------------|-----------|----------------|--------------------|--------|-----|
| 1 CC Uplink / 2 CC Uplink                | Component Carrier | FREQUENCY |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Serial Number          | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |     |
|                                          |                   | MHz       | Ch.    |      |                   |                             |                       |            |                  |          |                        |            |         |           |         |       |            | (W/kg)    | (W/kg)         | (W/kg)             |        |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.0                  | 23.91      | 17               | -0.08    | 0                      | 1916M      | QPSK    | 1         | 99      | 8 mm  | back       | 1:1       | 1.060          | 1.285              | 1.362  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.0                  | 23.04      | 59               | 0.07     | 1                      | 1916M      | QPSK    | 50        | 25      | 8 mm  | back       | 1:1       | 0.803          | 1.247              | 1.001  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.0                  | 23.91      | 60               | 0.00     | 0                      | 1916M      | QPSK    | 1         | 99      | 6 mm  | front      | 1:1       | 0.713          | 1.285              | 0.916  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.0                  | 23.04      | 59               | 0.01     | 1                      | 1916M      | QPSK    | 50        | 25      | 6 mm  | front      | 1:1       | 0.637          | 1.247              | 0.794  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.0                  | 23.91      | 116              | 0.01     | 0                      | 1916M      | QPSK    | 1         | 99      | 11 mm | bottom     | 1:1       | 0.747          | 1.285              | 0.960  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.0                  | 23.04      | 116              | -0.03    | 1                      | 1916M      | QPSK    | 50        | 25      | 11 mm | bottom     | 1:1       | 0.688          | 1.247              | 0.858  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.0                  | 23.91      | 59               | -0.09    | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | right      | 1:1       | 0.302          | 1.285              | 0.388  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.0                  | 23.04      | 59               | -0.09    | 1                      | 1916M      | QPSK    | 50        | 25      | 0 mm  | right      | 1:1       | 0.262          | 1.247              | 0.327  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.0                  | 23.91      | 58               | -0.09    | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | left       | 1:1       | 0.307          | 1.285              | 0.394  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.0                  | 23.04      | 58               | -0.06    | 1                      | 1916M      | QPSK    | 50        | 25      | 0 mm  | left       | 1:1       | 0.284          | 1.247              | 0.354  |     |
| 1 CC Uplink                              | N/A               | 1720.00   | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 21.4                  | 20.77      | 5                | 0.00     | 0                      | 1916M      | QPSK    | 1         | 50      | 0 mm  | back       | 1:1       | 2.540          | 1.156              | 2.936  |     |
| 1 CC Uplink                              | N/A               | 1720.00   | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 21.4                  | 20.75      | 5                | 0.07     | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | back       | 1:1       | 2.580          | 1.161              | 2.995  |     |
| 1 CC Uplink                              | N/A               | 1745.00   | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.01      | 5                | 0.04     | 0                      | 1916M      | QPSK    | 1         | 50      | 0 mm  | back       | 1:1       | 2.730          | 1.094              | 2.987  |     |
| 1 CC Uplink                              | N/A               | 1745.00   | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 21.4                  | 20.84      | 5                | -0.03    | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | back       | 1:1       | 2.730          | 1.138              | 3.107  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.04      | 14               | 0.06     | 0                      | 1916M      | QPSK    | 1         | 0       | 0 mm  | back       | 1:1       | 2.440          | 1.086              | 2.650  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.11      | 14               | 0.05     | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | back       | 1:1       | 2.360          | 1.069              | 2.523  |     |
| 1 CC Uplink                              | N/A               | 1720.00   | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.08      | 7                | 0.00     | 0                      | 1916M      | QPSK    | 50        | 25      | 0 mm  | back       | 1:1       | 2.590          | 1.076              | 2.787  |     |
| 1 CC Uplink                              | N/A               | 1745.00   | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.16      | 7                | 0.03     | 0                      | 1916M      | QPSK    | 50        | 50      | 0 mm  | back       | 1:1       | 2.750          | 1.057              | 2.907  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.25      | 116              | 0.04     | 0                      | 1916M      | QPSK    | 50        | 25      | 0 mm  | back       | 1:1       | 2.410          | 1.035              | 2.494  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.10      | 116              | 0.05     | 0                      | 1916M      | QPSK    | 100       | 0       | 0 mm  | back       | 1:1       | 2.380          | 1.072              | 2.551  |     |
| 1 CC Uplink                              | N/A               | 1715.00   | 132022 | Low  | LTE Band 66 (AWS) | 10                          | 21.4                  | 20.56      | 5                | 0.01     | 0                      | 1916M      | QPSK    | 1         | 49      | 0 mm  | back       | 1:1       | 2.570          | 1.213              | 3.117  |     |
| 1 CC Uplink                              | N/A               | 1745.00   | 132322 | Mid  | LTE Band 66 (AWS) | 10                          | 21.4                  | 20.77      | 5                | -0.05    | 0                      | 1916M      | QPSK    | 1         | 49      | 0 mm  | back       | 1:1       | 2.720          | 1.156              | 3.144  |     |
| 1 CC Uplink                              | N/A               | 1775.00   | 132622 | High | LTE Band 66 (AWS) | 10                          | 21.4                  | 20.61      | 14               | 0.07     | 0                      | 1916M      | QPSK    | 1         | 0       | 0 mm  | back       | 1:1       | 2.350          | 1.199              | 2.818  |     |
| 2 CC Uplink CA_66C                       | PCC               | 1720.00   | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 21.4                  | 20.84      | 5                | -0.05    | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | back       | 1:1       | 2.650          | 1.138              | 3.016  |     |
|                                          | SCC               | 1739.80   | 132270 |      |                   |                             |                       |            |                  |          |                        |            |         |           | 0       |       |            |           |                |                    |        |     |
| 2 CC Uplink CA_66C                       | PCC               | 1745.00   | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 21.4                  | 20.97      | 5                | 0.01     | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | back       | 1:1       | 2.850          | 1.104              | 3.146  |     |
|                                          | SCC               | 1764.80   | 132520 |      |                   |                             |                       |            |                  |          |                        |            |         |           | 0       |       |            |           |                |                    |        |     |
| 2 CC Uplink CA_66C                       | PCC               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 20.80      | 14               | 0.06     | 0                      | 1916M      | QPSK    | 1         | 0       | 0 mm  | back       | 1:1       | 2.420          | 1.148              | 2.778  |     |
|                                          | SCC               | 1750.20   | 132374 |      |                   |                             |                       |            |                  |          |                        |            |         |           | 99      |       |            |           |                |                    |        |     |
| 2 CC Uplink CA_66B                       | PCC               | 1715.00   | 132022 | Low  | LTE Band 66 (AWS) | 10                          | 21.4                  | 20.68      | 5                | 0.01     | 0                      | 1916M      | QPSK    | 1         | 49      | 0 mm  | back       | 1:1       | 2.690          | 1.180              | 3.174  |     |
|                                          | SCC               | 1724.90   | 132121 |      |                   |                             |                       |            |                  |          |                        |            |         |           | 0       |       |            |           |                |                    |        |     |
| 2 CC Uplink CA_66B                       | PCC               | 1745.00   | 132322 | Mid  | LTE Band 66 (AWS) | 10                          | 21.4                  | 21.08      | 5                | 0.06     | 0                      | 1916M      | QPSK    | 1         | 49      | 0 mm  | back       | 1:1       | 2.920          | 1.076              | 3.142  | A98 |
|                                          | SCC               | 1754.90   | 132421 |      |                   |                             |                       |            |                  |          |                        |            |         |           | 0       |       |            |           |                |                    |        |     |
| 2 CC Uplink CA_66B                       | PCC               | 1775.00   | 132622 | High | LTE Band 66 (AWS) | 10                          | 21.4                  | 20.83      | 14               | 0.06     | 0                      | 1916M      | QPSK    | 1         | 0       | 0 mm  | back       | 1:1       | 2.500          | 1.140              | 2.850  |     |
|                                          | SCC               | 1765.10   | 132523 |      |                   |                             |                       |            |                  |          |                        |            |         |           | 49      |       |            |           |                |                    |        |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.11      | 59               | 0.01     | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | front      | 1:1       | 1.690          | 1.069              | 1.807  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.25      | 59               | 0.02     | 0                      | 1916M      | QPSK    | 50        | 25      | 0 mm  | front      | 1:1       | 1.750          | 1.035              | 1.811  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.11      | 59               | -0.09    | 0                      | 1916M      | QPSK    | 1         | 99      | 0 mm  | bottom     | 1:1       | 1.660          | 1.069              | 1.775  |     |
| 1 CC Uplink                              | N/A               | 1770.00   | 132572 | High | LTE Band 66 (AWS) | 20                          | 21.4                  | 21.25      | 59               | 0.03     | 0                      | 1916M      | QPSK    | 50        | 25      | 0 mm  | bottom     | 1:1       | 1.800          | 1.035              | 1.863  |     |
| 2 CC Uplink CA_66B                       | PCC               | 1745.00   | 132322 | Mid  | LTE Band 66 (AWS) | 10                          | 21.4                  | 21.08      | 5                | 0.06     | 0                      | 1916M      | QPSK    | 1         | 49      | 0 mm  | back       | 1:1       | 2.870          | 1.076              | 3.088  |     |
|                                          | SCC               | 1754.90   | 132421 |      |                   |                             |                       |            |                  |          |                        |            |         |           | 0       |       |            |           |                |                    |        |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |                   |           |        |      |                   |                             |                       |            |                  |          | Phablet                |            |         |           |         |       |            |           |                |                    |        |     |
| Spatial Peak                             |                   |           |        |      |                   |                             |                       |            |                  |          | 4.0 W/kg (mW/g)        |            |         |           |         |       |            |           |                |                    |        |     |
| Uncontrolled Exposure/General Population |                   |           |        |      |                   |                             |                       |            |                  |          | averaged over 10 grams |            |         |           |         |       |            |           |                |                    |        |     |

Note: Blue Entry represents variability measurement.

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 11-81**  
**LTE Band 25 Phablet SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |        |                   |                 |                             |                       |            |                  |          |                                                      |            |         |           |         |        |            |           |                |                    |        |
|---------------------------------------------------------------------------------------------------|-------|--------|-------------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|------------------------------------------------------|------------|---------|-----------|---------|--------|------------|-----------|----------------|--------------------|--------|
| FREQUENCY                                                                                         |       |        | Mode              | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Serial Number                                        | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |
| MHz                                                                                               | Ch.   | (W/kg) |                   |                 |                             |                       |            |                  |          |                                                      |            |         |           |         |        |            | (W/kg)    |                |                    |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 25.0                        | 24.37                 | 0          | -0.02            | 0        | 0748M                                                | QPSK       | 1       | 0         | 8 mm    | back   | 1:1        | 1.490     | 1.156          | 1.722              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 24.0                        | 23.40                 | 0          | 0.04             | 1        | 0748M                                                | QPSK       | 50      | 25        | 8 mm    | back   | 1:1        | 1.090     | 1.148          | 1.251              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 25.0                        | 24.37                 | 2          | 0.05             | 0        | 0748M                                                | QPSK       | 1       | 0         | 6 mm    | front  | 1:1        | 1.400     | 1.156          | 1.618              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 24.0                        | 23.40                 | 2          | -0.04            | 1        | 0748M                                                | QPSK       | 50      | 25        | 6 mm    | front  | 1:1        | 1.050     | 1.148          | 1.205              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 25.0                        | 24.37                 | 0          | -0.03            | 0        | 0748M                                                | QPSK       | 1       | 0         | 11 mm   | bottom | 1:1        | 1.330     | 1.156          | 1.537              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 24.0                        | 23.40                 | 0          | 0.01             | 1        | 0748M                                                | QPSK       | 50      | 25        | 11 mm   | bottom | 1:1        | 1.060     | 1.148          | 1.217              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 25.0                        | 24.37                 | 15         | 0.12             | 0        | 0748M                                                | QPSK       | 1       | 0         | 0 mm    | right  | 1:1        | 0.497     | 1.156          | 0.575              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 24.0                        | 23.40                 | 15         | 0.05             | 1        | 0748M                                                | QPSK       | 50      | 25        | 0 mm    | right  | 1:1        | 0.387     | 1.148          | 0.444              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 25.0                        | 24.37                 | 13         | -0.02            | 0        | 0748M                                                | QPSK       | 1       | 0         | 0 mm    | left   | 1:1        | 0.446     | 1.156          | 0.516              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 24.0                        | 23.40                 | 13         | 0.01             | 1        | 0748M                                                | QPSK       | 50      | 25        | 0 mm    | left   | 1:1        | 0.309     | 1.148          | 0.355              |        |
| 1860.00                                                                                           | 26140 | Low    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.16                 | 1          | 0.06             | 0        | 0748M                                                | QPSK       | 1       | 99        | 0 mm    | back   | 1:1        | 2.440     | 1.213          | 2.960              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.50                 | 4          | 0.11             | 0        | 0748M                                                | QPSK       | 1       | 0         | 0 mm    | back   | 1:1        | 2.400     | 1.122          | 2.693              |        |
| 1905.00                                                                                           | 26590 | High   | LTE Band 25 (PCS) | 20              | 22.0                        | 21.08                 | 23         | 0.08             | 0        | 0748M                                                | QPSK       | 1       | 0         | 0 mm    | back   | 1:1        | 2.000     | 1.236          | 2.472              |        |
| 1860.00                                                                                           | 26140 | Low    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.38                 | 1          | 0.08             | 0        | 0748M                                                | QPSK       | 50      | 25        | 0 mm    | back   | 1:1        | 2.180     | 1.153          | 2.514              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.49                 | 4          | -0.02            | 0        | 0748M                                                | QPSK       | 50      | 25        | 0 mm    | back   | 1:1        | 2.650     | 1.125          | 2.981              | A99    |
| 1905.00                                                                                           | 26590 | High   | LTE Band 25 (PCS) | 20              | 22.0                        | 21.09                 | 23         | 0.08             | 0        | 0748M                                                | QPSK       | 50      | 0         | 0 mm    | back   | 1:1        | 1.980     | 1.233          | 2.441              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.27                 | 4          | 0.06             | 0        | 0748M                                                | QPSK       | 100     | 0         | 0 mm    | back   | 1:1        | 2.360     | 1.183          | 2.792              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.50                 | 0          | 0.02             | 0        | 0748M                                                | QPSK       | 1       | 0         | 0 mm    | front  | 1:1        | 1.780     | 1.122          | 1.997              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.49                 | 0          | 0.00             | 0        | 0748M                                                | QPSK       | 50      | 25        | 0 mm    | front  | 1:1        | 1.740     | 1.125          | 1.958              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.50                 | 8          | 0.00             | 0        | 0748M                                                | QPSK       | 1       | 0         | 0 mm    | bottom | 1:1        | 1.720     | 1.122          | 1.930              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.49                 | 8          | 0.04             | 0        | 0748M                                                | QPSK       | 50      | 25        | 0 mm    | bottom | 1:1        | 1.640     | 1.125          | 1.845              |        |
| 1882.50                                                                                           | 26365 | Mid    | LTE Band 25 (PCS) | 20              | 22.0                        | 21.49                 | 4          | 0.01             | 0        | 0748M                                                | QPSK       | 50      | 25        | 0 mm    | back   | 1:1        | 2.460     | 1.125          | 2.768              |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |        |                   |                 |                             |                       |            |                  |          | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |            |         |           |         |        |            |           |                |                    |        |

Note: Blue Entry represents variability measurement.

|                                                    |                                                                                                                                                                                                                             |                                      |                                                                                       |                                        |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                                   | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 200 of 337                        |

**Table 11-82**  
**LTE Band 30 Phablet SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |                                                      |            |         |           |         |       |            |           |                |                    |        |      |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------------------------------------------------------|------------|---------|-----------|---------|-------|------------|-----------|----------------|--------------------|--------|------|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number                                        | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |      |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |                                                      |            |         |           |         |       |            | (W/kg)    |                | (W/kg)             |        |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | -0.02    | 0                                                    | 0748M      | QPSK    | 1         | 0       | 8 mm  | back       | 1:1       | 0.555          | 1.148              | 0.637  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | -0.01    | 1                                                    | 0748M      | QPSK    | 25        | 0       | 8 mm  | back       | 1:1       | 0.437          | 1.135              | 0.496  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | 0.01     | 0                                                    | 0748M      | QPSK    | 1         | 0       | 6 mm  | front      | 1:1       | 0.566          | 1.148              | 0.650  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | 0.02     | 1                                                    | 0748M      | QPSK    | 25        | 0       | 6 mm  | front      | 1:1       | 0.454          | 1.135              | 0.515  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | 0.02     | 0                                                    | 0748M      | QPSK    | 1         | 0       | 11 mm | bottom     | 1:1       | 0.718          | 1.148              | 0.824  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | 0.00     | 1                                                    | 0748M      | QPSK    | 25        | 0       | 11 mm | bottom     | 1:1       | 0.572          | 1.135              | 0.649  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | 0.01     | 0                                                    | 0748M      | QPSK    | 1         | 0       | 0 mm  | right      | 1:1       | 0.277          | 1.148              | 0.318  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | 0.01     | 1                                                    | 0748M      | QPSK    | 25        | 0       | 0 mm  | right      | 1:1       | 0.222          | 1.135              | 0.252  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 24.0                  | 23.40            | 0.05     | 0                                                    | 0748M      | QPSK    | 1         | 0       | 0 mm  | left       | 1:1       | 0.244          | 1.148              | 0.280  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 23.0                  | 22.45            | 0.00     | 1                                                    | 0748M      | QPSK    | 25        | 0       | 0 mm  | left       | 1:1       | 0.194          | 1.135              | 0.220  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 22.0                  | 21.29            | -0.07    | 0                                                    | 0748M      | QPSK    | 1         | 0       | 0 mm  | back       | 1:1       | 1.420          | 1.178              | 1.673  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 22.0                  | 21.38            | -0.01    | 0                                                    | 0748M      | QPSK    | 25        | 12      | 0 mm  | back       | 1:1       | 1.430          | 1.153              | 1.649  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 22.0                  | 21.29            | 0.02     | 0                                                    | 0748M      | QPSK    | 1         | 0       | 0 mm  | front      | 1:1       | 1.000          | 1.178              | 1.178  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 22.0                  | 21.38            | 0.02     | 0                                                    | 0748M      | QPSK    | 25        | 12      | 0 mm  | front      | 1:1       | 1.010          | 1.153              | 1.165  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 22.0                  | 21.29            | 0.02     | 0                                                    | 0748M      | QPSK    | 1         | 0       | 0 mm  | bottom     | 1:1       | 1.430          | 1.178              | 1.685  |      |
| 2310.00                                                                                           | 27710 | Mid  | LTE Band 30     | 10                          | 22.0                  | 21.38            | 0.03     | 0                                                    | 0748M      | QPSK    | 25        | 12      | 0 mm  | bottom     | 1:1       | 1.570          | 1.153              | 1.810  | A100 |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  |          | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |            |         |           |         |       |            |           |                |                    |        |      |

**Table 11-83**  
**LTE Band 7 Phablet SAR - Open**

| MEASUREMENT RESULTS                                                                               |       |      |            |                 |                             |                       |                  |                                                      |               |            |         |           |         |        |            |           |                |                    |        |
|---------------------------------------------------------------------------------------------------|-------|------|------------|-----------------|-----------------------------|-----------------------|------------------|------------------------------------------------------|---------------|------------|---------|-----------|---------|--------|------------|-----------|----------------|--------------------|--------|
| FREQUENCY                                                                                         |       |      | Mode       | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB]                                             | Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |
|                                                                                                   |       |      |            |                 |                             |                       |                  |                                                      |               |            |         |           |         |        |            | (W/kg)    |                | (W/kg)             |        |
| MHz                                                                                               | Ch.   |      |            |                 |                             |                       |                  |                                                      |               |            |         |           |         |        |            |           |                |                    |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 25.0                        | 24.02                 | 0.15             | 0                                                    | 0126M         | QPSK       | 1       | 0         | 8 mm    | back   | 1:1        | 0.613     | 1.253          | 0.768              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 24.0                        | 23.08                 | 0.06             | 1                                                    | 0126M         | QPSK       | 50      | 25        | 8 mm    | back   | 1:1        | 0.497     | 1.236          | 0.614              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 25.0                        | 24.02                 | 0.09             | 0                                                    | 0126M         | QPSK       | 1       | 0         | 6 mm    | front  | 1:1        | 0.606     | 1.253          | 0.759              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 24.0                        | 23.08                 | 0.05             | 1                                                    | 0126M         | QPSK       | 50      | 25        | 6 mm    | front  | 1:1        | 0.485     | 1.236          | 0.599              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 25.0                        | 24.02                 | 0.05             | 0                                                    | 0126M         | QPSK       | 1       | 0         | 11 mm   | bottom | 1:1        | 0.735     | 1.253          | 0.921              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 24.0                        | 23.08                 | 0.04             | 1                                                    | 0126M         | QPSK       | 50      | 25        | 11 mm   | bottom | 1:1        | 0.594     | 1.236          | 0.734              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 25.0                        | 24.02                 | -0.09            | 0                                                    | 0126M         | QPSK       | 1       | 0         | 0 mm    | left   | 1:1        | 0.576     | 1.253          | 0.722              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 24.0                        | 23.08                 | -0.01            | 1                                                    | 0126M         | QPSK       | 50      | 25        | 0 mm    | left   | 1:1        | 0.463     | 1.236          | 0.572              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 22.0                        | 21.01                 | -0.05            | 0                                                    | 0126M         | QPSK       | 1       | 0         | 0 mm    | back   | 1:1        | 1.340     | 1.256          | 1.683              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 22.0                        | 21.05                 | 0.08             | 0                                                    | 0126M         | QPSK       | 50      | 25        | 0 mm    | back   | 1:1        | 1.370     | 1.245          | 1.706              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 22.0                        | 21.01                 | -0.05            | 0                                                    | 0126M         | QPSK       | 1       | 0         | 0 mm    | front  | 1:1        | 1.230     | 1.256          | 1.545              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 22.0                        | 21.05                 | 0.00             | 0                                                    | 0126M         | QPSK       | 50      | 25        | 0 mm    | front  | 1:1        | 1.270     | 1.245          | 1.581              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 22.0                        | 21.01                 | 0.00             | 0                                                    | 0126M         | QPSK       | 1       | 0         | 0 mm    | bottom | 1:1        | 1.390     | 1.256          | 1.746              |        |
| 2510.00                                                                                           | 20850 | Low  | LTE Band 7 | 20              | 22.0                        | 20.95                 | 0.01             | 0                                                    | 0126M         | QPSK       | 50      | 25        | 0 mm    | bottom | 1:1        | 1.470     | 1.274          | 1.873              |        |
| 2535.00                                                                                           | 21100 | Mid  | LTE Band 7 | 20              | 22.0                        | 21.05                 | 0.01             | 0                                                    | 0126M         | QPSK       | 50      | 25        | 0 mm    | bottom | 1:1        | 1.460     | 1.245          | 1.818              |        |
| 2560.00                                                                                           | 21350 | High | LTE Band 7 | 20              | 22.0                        | 20.95                 | 0.01             | 0                                                    | 0126M         | QPSK       | 50      | 25        | 0 mm    | bottom | 1:1        | 1.490     | 1.274          | 1.898              | A101   |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |            |                 |                             |                       |                  | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |               |            |         |           |         |        |            |           |                |                    |        |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 201 of 337                 |

**Table 11-84**  
**LTE Band 41 Phablet SAR - Open**

| MEASUREMENT RESULTS                                                                               |                      |           |       |          |                    |                                   |                          |                     |          |                                                      |            |         |           |         |       |            |           |                   |                       |         |      |
|---------------------------------------------------------------------------------------------------|----------------------|-----------|-------|----------|--------------------|-----------------------------------|--------------------------|---------------------|----------|------------------------------------------------------|------------|---------|-----------|---------|-------|------------|-----------|-------------------|-----------------------|---------|------|
| 1 CC Uplink / 2 CC Uplink,<br>Power Class                                                         | Component<br>Carrier | FREQUENCY |       | Mode     | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB] | Serial<br>Number                                     | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (10g) | Scaling<br>Factor | Reported SAR<br>(10g) | Pilot # |      |
|                                                                                                   |                      | MHz       | Ch.   |          |                    |                                   |                          |                     |          |                                                      |            |         |           |         |       |            | (W/kg)    |                   | (W/kg)                |         |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 25.5                     | 24.54               | 0.01     | 0                                                    | 0123M      | QPSK    | 1         | 50      | 8 mm  | back       | 1:1.58    | 0.445             | 1.247                 | 0.555   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.5                     | 23.60               | 0.08     | 1                                                    | 0123M      | QPSK    | 50        | 50      | 8 mm  | back       | 1:1.58    | 0.355             | 1.230                 | 0.437   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 25.5                     | 24.54               | 0.08     | 0                                                    | 0123M      | QPSK    | 1         | 50      | 6 mm  | front      | 1:1.58    | 0.428             | 1.247                 | 0.534   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.5                     | 23.60               | 0.01     | 1                                                    | 0123M      | QPSK    | 50        | 50      | 6 mm  | front      | 1:1.58    | 0.341             | 1.230                 | 0.419   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 25.5                     | 24.54               | -0.02    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 11 mm | bottom     | 1:1.58    | 0.533             | 1.247                 | 0.665   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.5                     | 23.60               | 0.05     | 1                                                    | 0123M      | QPSK    | 50        | 50      | 11 mm | bottom     | 1:1.58    | 0.424             | 1.230                 | 0.522   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 25.5                     | 24.54               | -0.09    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | left       | 1:1.58    | 1.020             | 1.247                 | 1.272   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.5                     | 23.60               | -0.09    | 1                                                    | 0123M      | QPSK    | 50        | 50      | 0 mm  | left       | 1:1.58    | 0.817             | 1.230                 | 1.005   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41        | 20                                | 24.0                     | 23.31               | -0.03    | 0                                                    | 0123M      | QPSK    | 1         | 0       | 0 mm  | back       | 1:1.58    | 1.380             | 1.172                 | 1.617   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2549.50   | 40185 | Low-Mid  | LTE Band 41        | 20                                | 24.0                     | 23.40               | 0.00     | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | back       | 1:1.58    | 1.420             | 1.148                 | 1.630   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2593.00   | 40620 | Mid      | LTE Band 41        | 20                                | 24.0                     | 23.42               | -0.21    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | back       | 1:1.58    | 1.740             | 1.143                 | 1.989   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41        | 20                                | 24.0                     | 23.25               | -0.02    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | back       | 1:1.58    | 1.880             | 1.189                 | 2.235   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.0                     | 23.28               | 0.01     | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | back       | 1:1.58    | 2.030             | 1.180                 | 2.395   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41        | 20                                | 24.0                     | 23.44               | 0.05     | 0                                                    | 0123M      | QPSK    | 50        | 25      | 0 mm  | back       | 1:1.58    | 1.420             | 1.138                 | 1.616   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2549.50   | 40185 | Low-Mid  | LTE Band 41        | 20                                | 24.0                     | 23.38               | 0.01     | 0                                                    | 0123M      | QPSK    | 50        | 50      | 0 mm  | back       | 1:1.58    | 1.400             | 1.153                 | 1.614   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2593.00   | 40620 | Mid      | LTE Band 41        | 20                                | 24.0                     | 23.45               | 0.01     | 0                                                    | 0123M      | QPSK    | 50        | 25      | 0 mm  | back       | 1:1.58    | 1.650             | 1.135                 | 1.873   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41        | 20                                | 24.0                     | 23.39               | 0.02     | 0                                                    | 0123M      | QPSK    | 50        | 25      | 0 mm  | back       | 1:1.58    | 1.890             | 1.151                 | 2.175   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.0                     | 23.14               | -0.04    | 0                                                    | 0123M      | QPSK    | 50        | 0       | 0 mm  | back       | 1:1.58    | 2.080             | 1.219                 | 2.536   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.0                     | 23.34               | 0.03     | 0                                                    | 0123M      | QPSK    | 50        | 50      | 0 mm  | back       | 1:1.58    | 2.090             | 1.164                 | 2.433   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41        | 20                                | 24.0                     | 23.39               | 0.01     | 0                                                    | 0123M      | QPSK    | 100       | 0       | 0 mm  | back       | 1:1.58    | 1.400             | 1.151                 | 1.611   |      |
| 1 CC Uplink - Power Class 2                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 25.6                     | 24.99               | -0.20    | 0                                                    | 0123M      | QPSK    | 50        | 0       | 0 mm  | back       | 1:2.31    | 2.110             | 1.151                 | 2.429   |      |
| 1 CC Uplink - Power Class 2                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 25.6                     | 25.10               | -0.10    | 0                                                    | 0123M      | QPSK    | 50        | 50      | 0 mm  | back       | 1:2.31    | 2.220             | 1.122                 | 2.491   |      |
| 2 CC Uplink - Power Class 3                                                                       | PCC                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.0                     | 23.21               | -0.03    | 0                                                    | 0123M      | QPSK    | 50        | 0       | 0 mm  | back       | 1:1.58    | 2.170             | 1.199                 | 2.602   |      |
|                                                                                                   | SCC                  | 2660.20   | 41292 |          |                    |                                   |                          |                     |          |                                                      |            |         |           | 50      |       |            |           |                   |                       |         |      |
| 2 CC Uplink - Power Class 2                                                                       | PCC                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 25.6                     | 25.09               | 0.03     | 0                                                    | 0123M      | QPSK    | 50        | 0       | 0 mm  | back       | 1:2.31    | 2.250             | 1.125                 | 2.531   | A102 |
|                                                                                                   | SCC                  | 2660.20   | 41292 |          |                    |                                   |                          |                     |          |                                                      |            |         |           | 50      |       |            |           |                   |                       |         |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2593.00   | 40620 | Mid      | LTE Band 41        | 20                                | 24.0                     | 23.42               | -0.12    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | front      | 1:1.58    | 0.811             | 1.143                 | 0.927   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2593.00   | 40620 | Mid      | LTE Band 41        | 20                                | 24.0                     | 23.45               | 0.10     | 0                                                    | 0123M      | QPSK    | 50        | 25      | 0 mm  | front      | 1:1.58    | 0.813             | 1.135                 | 0.923   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41        | 20                                | 24.0                     | 23.31               | -0.14    | 0                                                    | 0123M      | QPSK    | 1         | 0       | 0 mm  | bottom     | 1:1.58    | 1.330             | 1.172                 | 1.559   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2549.50   | 40185 | Low-Mid  | LTE Band 41        | 20                                | 24.0                     | 23.40               | -0.07    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | bottom     | 1:1.58    | 1.390             | 1.148                 | 1.596   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2593.00   | 40620 | Mid      | LTE Band 41        | 20                                | 24.0                     | 23.42               | -0.05    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | bottom     | 1:1.58    | 1.620             | 1.143                 | 1.852   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41        | 20                                | 24.0                     | 23.25               | -0.01    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | bottom     | 1:1.58    | 1.880             | 1.189                 | 2.235   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.0                     | 23.28               | -0.02    | 0                                                    | 0123M      | QPSK    | 1         | 50      | 0 mm  | bottom     | 1:1.58    | 1.990             | 1.180                 | 2.348   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41        | 20                                | 24.0                     | 23.44               | -0.05    | 0                                                    | 0123M      | QPSK    | 50        | 25      | 0 mm  | bottom     | 1:1.58    | 1.340             | 1.138                 | 1.525   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2549.50   | 40185 | Low-Mid  | LTE Band 41        | 20                                | 24.0                     | 23.38               | -0.07    | 0                                                    | 0123M      | QPSK    | 50        | 50      | 0 mm  | bottom     | 1:1.58    | 1.410             | 1.153                 | 1.626   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2593.00   | 40620 | Mid      | LTE Band 41        | 20                                | 24.0                     | 23.45               | 0.10     | 0                                                    | 0123M      | QPSK    | 50        | 25      | 0 mm  | bottom     | 1:1.58    | 1.610             | 1.135                 | 1.827   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41        | 20                                | 24.0                     | 23.39               | 0.10     | 0                                                    | 0123M      | QPSK    | 50        | 25      | 0 mm  | bottom     | 1:1.58    | 1.910             | 1.151                 | 2.198   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 24.0                     | 23.34               | 0.10     | 0                                                    | 0123M      | QPSK    | 50        | 50      | 0 mm  | bottom     | 1:1.58    | 2.050             | 1.164                 | 2.386   |      |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41        | 20                                | 24.0                     | 23.39               | 0.10     | 0                                                    | 0123M      | QPSK    | 100       | 0       | 0 mm  | bottom     | 1:1.58    | 1.210             | 1.151                 | 1.393   |      |
| 2 CC Uplink - Power Class 2                                                                       | PCC                  | 2680.00   | 41490 | High     | LTE Band 41        | 20                                | 25.6                     | 25.09               | 0.01     | 0                                                    | 0123M      | QPSK    | 50        | 0       | 0 mm  | back       | 1:2.31    | 2.230             | 1.125                 | 2.509   |      |
|                                                                                                   | SCC                  | 2660.20   | 41292 |          |                    |                                   |                          |                     |          |                                                      |            |         |           | 50      |       |            |           |                   |                       |         |      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |           |       |          |                    |                                   |                          |                     |          | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |            |         |           |         |       |            |           |                   |                       |         |      |

Note: Blue Entry represents variability measurement.

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 202 of 337                 |

**Table 11-85**  
**NR Band n66 Phablet SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                |                  |          |                        |               |          |            |         |           |         |       |            |           |                |              |         |      |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------|------------------------|---------------|----------|------------|---------|-----------|---------|-------|------------|-----------|----------------|--------------|---------|------|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Tune State             | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR | Pilot # |      |
| MHz                                      | Ch.    |      |                   |                             |                       |                |                  |          |                        |               |          |            |         |           |         |       |            | (W/kg)    |                | (W/kg)       |         |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.01     | 0                      | 17            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 8 mm  | back       | 1:1       | 1.220          | 1.148        | 1.401   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | -0.09    | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 54      | 8 mm  | back       | 1:1       | 0.935          | 1.161        | 1.086   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.03     | 0                      | 60            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 6 mm  | front      | 1:1       | 1.060          | 1.148        | 1.217   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | 0.00     | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 54      | 6 mm  | front      | 1:1       | 0.996          | 1.161        | 1.156   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.00     | 0                      | 116           | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 11 mm | bottom     | 1:1       | 0.962          | 1.148        | 1.104   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | -0.05    | 0                      | 116           | 0218M    | DFT-S-OFDM | QPSK    | 108       | 54      | 11 mm | bottom     | 1:1       | 0.861          | 1.161        | 1.000   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.01     | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 0 mm  | right      | 1:1       | 0.410          | 1.148        | 0.471   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | 0.01     | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 54      | 0 mm  | right      | 1:1       | 0.325          | 1.161        | 0.377   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | 0.03     | 0                      | 58            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 0 mm  | left       | 1:1       | 0.382          | 1.148        | 0.450   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | -0.16    | 0                      | 58            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 54      | 0 mm  | left       | 1:1       | 0.327          | 1.161        | 0.380   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 19.98          | A                | 0.07     | 0                      | 5             | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 0 mm  | back       | 1:1       | 2.350          | 1.127        | 2.648   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 20.02          | A                | 0.05     | 0                      | 7             | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 0 mm  | back       | 1:1       | 2.350          | 1.117        | 2.625   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 19.97          | A                | 0.00     | 0                      | 116           | 0218M    | DFT-S-OFDM | QPSK    | 216       | 0       | 0 mm  | back       | 1:1       | 2.130          | 1.130        | 2.407   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 19.75          | A                | 0.05     | 0                      | 5             | 0218M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm  | back       | 1:1       | 2.390          | 1.189        | 2.842   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 19.98          | A                | 0.01     | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 0 mm  | front      | 1:1       | 1.520          | 1.127        | 1.713   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 20.02          | A                | 0.05     | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 0 mm  | front      | 1:1       | 1.600          | 1.117        | 1.787   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 19.98          | A                | -0.01    | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 0 mm  | bottom     | 1:1       | 1.730          | 1.127        | 1.950   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 20.02          | A                | -0.04    | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 0 mm  | bottom     | 1:1       | 1.930          | 1.117        | 2.156   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 20.5                  | 19.97          | A                | -0.04    | 0                      | 59            | 0218M    | DFT-S-OFDM | QPSK    | 216       | 0       | 0 mm  | bottom     | 1:1       | 2.030          | 1.130        | 2.294   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.63          | I                | -0.11    | 0                      | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 0 mm  | right      | 1:1       | 2.600          | 1.089        | 2.831   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.66          | I                | -0.11    | 0                      | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 54      | 0 mm  | right      | 1:1       | 2.660          | 1.081        | 2.875   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.52          | I                | -0.13    | 0                      | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 216       | 0       | 0 mm  | right      | 1:1       | 2.620          | 1.117        | 2.927   |      |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.62          | I                | -0.14    | 0                      | N/A           | 0879M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm  | right      | 1:1       | 2.730          | 1.091        | 2.978   | A103 |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                |                  |          | Phablet                |               |          |            |         |           |         |       |            |           |                |              |         |      |
| Spatial Peak                             |        |      |                   |                             |                       |                |                  |          | 4.0 W/kg (mW/g)        |               |          |            |         |           |         |       |            |           |                |              |         |      |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  |          | averaged over 10 grams |               |          |            |         |           |         |       |            |           |                |              |         |      |

**Table 11-86**  
**NR Band n25 Phablet SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                |                  |          |            |                        |          |            |         |           |         |       |            |           |                |                    |         |      |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------|------------|------------------------|----------|------------|---------|-----------|---------|-------|------------|-----------|----------------|--------------------|---------|------|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Tune State | Serial Number          | Waveform | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Pilot # |      |
| MHz                                      | Ch.    |      |                   |                             |                       |                |                  |          |            |                        |          |            |         |           |         |       |            | (W/kg)    |                | (W/kg)             |         |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | -0.09    | 0          | 0                      | 0195M    | DFT-S-OFDM | QPSK    | 1         | 214     | 8 mm  | back       | 1:1       | 1.050          | 1.194              | 1.254   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | -0.02    | 0          | 0                      | 0195M    | DFT-S-OFDM | QPSK    | 108       | 54      | 8 mm  | back       | 1:1       | 0.889          | 1.259              | 1.119   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.21     | 0          | 2                      | 0195M    | DFT-S-OFDM | QPSK    | 1         | 214     | 6 mm  | front      | 1:1       | 0.998          | 1.194              | 1.192   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | 0.09     | 0          | 2                      | 0195M    | DFT-S-OFDM | QPSK    | 108       | 54      | 6 mm  | front      | 1:1       | 0.988          | 1.259              | 1.244   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.01     | 0          | 0                      | 0195M    | DFT-S-OFDM | QPSK    | 1         | 214     | 11 mm | bottom     | 1:1       | 1.050          | 1.194              | 1.254   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | 0.01     | 0          | 0                      | 0195M    | DFT-S-OFDM | QPSK    | 108       | 54      | 11 mm | bottom     | 1:1       | 0.937          | 1.259              | 1.180   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | -0.09    | 0          | 15                     | 0195M    | DFT-S-OFDM | QPSK    | 1         | 214     | 0 mm  | right      | 1:1       | 0.348          | 1.194              | 0.416   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | -0.04    | 0          | 15                     | 0195M    | DFT-S-OFDM | QPSK    | 108       | 54      | 0 mm  | right      | 1:1       | 0.396          | 1.259              | 0.499   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.10     | 0          | 13                     | 0195M    | DFT-S-OFDM | QPSK    | 1         | 214     | 0 mm  | left       | 1:1       | 0.342          | 1.194              | 0.408   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | 0.10     | 0          | 13                     | 0195M    | DFT-S-OFDM | QPSK    | 108       | 54      | 0 mm  | left       | 1:1       | 0.339          | 1.259              | 0.427   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.59          | A                | 0.19     | 0          | 4                      | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 0 mm  | back       | 1:1       | 2.600          | 1.099              | 2.857   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.40          | A                | 0.16     | 0          | 4                      | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 0 mm  | back       | 1:1       | 2.440          | 1.148              | 2.801   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.40          | A                | 0.04     | 0          | 4                      | 0195M    | DFT-S-OFDM | QPSK    | 216       | 0       | 0 mm  | back       | 1:1       | 2.410          | 1.148              | 2.767   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.49          | A                | 0.04     | 0          | 4                      | 0195M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm  | back       | 1:1       | 2.640          | 1.125              | 2.970   | A104 |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.59          | A                | 0.11     | 0          | 0                      | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 0 mm  | front      | 1:1       | 2.190          | 1.099              | 2.407   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.40          | A                | 0.13     | 0          | 0                      | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 0 mm  | front      | 1:1       | 2.060          | 1.148              | 2.365   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.40          | A                | 0.02     | 0          | 0                      | 0195M    | DFT-S-OFDM | QPSK    | 216       | 0       | 0 mm  | front      | 1:1       | 2.000          | 1.148              | 2.296   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.59          | A                | 0.06     | 0          | 8                      | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 0 mm  | bottom     | 1:1       | 1.860          | 1.099              | 2.044   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.40          | A                | 0.07     | 0          | 8                      | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 0 mm  | bottom     | 1:1       | 1.760          | 1.148              | 2.020   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 22.0                  | 21.40          | A                | 0.05     | 0          | 8                      | 0195M    | DFT-S-OFDM | QPSK    | 216       | 0       | 0 mm  | bottom     | 1:1       | 1.720          | 1.148              | 1.975   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 24.49          | I                | 0.00     | 0          | N/A                    | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 0 mm  | right      | 1:1       | 2.000          | 1.002              | 2.004   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 24.5                  | 24.35          | I                | -0.07    | 0          | N/A                    | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 0 mm  | right      | 1:1       | 2.500          | 1.035              | 2.588   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 23.5                  | 23.45          | I                | 0.01     | 1          | N/A                    | 0818M    | DFT-S-OFDM | QPSK    | 216       | 0       | 0 mm  | right      | 1:1       | 1.830          | 1.012              | 1.852   |      |
| 1882.50                                  | 376500 | Mtd  | NR Band n25 (PCS) | 40                          | 23.0                  | 22.99          | I                | 0.01     | 1.5        | N/A                    | 0818M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm  | right      | 1:1       | 1.860          | 1.002              | 1.864   |      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                |                  |          |            | Phablet                |          |            |         |           |         |       |            |           |                |                    |         |      |
| Spatial Peak                             |        |      |                   |                             |                       |                |                  |          |            | 4.0 W/kg (mW/g)        |          |            |         |           |         |       |            |           |                |                    |         |      |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  |          |            | averaged over 10 grams |          |            |         |           |         |       |            |           |                |                    |         |      |

|                                             |                                                                                                                                                                                                                                                                                                  |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <div><b>PCTEST</b><br/><small>Proud to be part of the Samsung</small></div> <div>SAR EVALUATION REPORT</div> <div></div> |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                                                                                               | DUT Type:<br>Portable Handset | Page 203 of 337                 |

**Table 11-87**  
**NR Band n30 Phablet SAR – Open**

| MEASUREMENT RESULTS                      |        |      |                 |                             |                       |                  |          |                        |          |            |         |           |         |       |            |           |                |                    |        |      |
|------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------------------------|----------|------------|---------|-----------|---------|-------|------------|-----------|----------------|--------------------|--------|------|
| FREQUENCY                                |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number          | Waveform | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |      |
| MHz                                      | Ch.    |      |                 |                             |                       |                  |          |                        |          |            |         |           |         |       |            | (W/kg)    |                | (W/kg)             |        |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 8 mm  | back       | 1:1       | 0.638          | 1.194              | 0.762  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.01     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 25        | 14      | 8 mm  | back       | 1:1       | 0.631          | 1.271              | 0.802  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 6 mm  | front      | 1:1       | 0.617          | 1.194              | 0.737  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 25        | 14      | 6 mm  | front      | 1:1       | 0.591          | 1.271              | 0.751  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.01     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 11 mm | bottom     | 1:1       | 0.765          | 1.194              | 0.913  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 25        | 14      | 11 mm | bottom     | 1:1       | 0.740          | 1.271              | 0.941  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 0 mm  | right      | 1:1       | 0.253          | 1.194              | 0.302  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 25        | 14      | 0 mm  | right      | 1:1       | 0.238          | 1.271              | 0.302  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.73            | 0.02     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 0 mm  | left       | 1:1       | 0.258          | 1.194              | 0.308  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 23.5                  | 22.46            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 25        | 14      | 0 mm  | left       | 1:1       | 0.250          | 1.271              | 0.318  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 22.0                  | 21.46            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 0 mm  | back       | 1:1       | 1.630          | 1.132              | 1.845  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 22.0                  | 21.39            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 25        | 14      | 0 mm  | back       | 1:1       | 1.640          | 1.151              | 1.888  | A105 |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 22.0                  | 21.21            | 0.01     | 0                      | 0181M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm  | back       | 1:1       | 1.600          | 1.199              | 1.918  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 22.0                  | 21.46            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 0 mm  | front      | 1:1       | 1.330          | 1.132              | 1.506  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 22.0                  | 21.39            | 0.02     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 25        | 14      | 0 mm  | front      | 1:1       | 1.220          | 1.151              | 1.404  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 22.0                  | 21.46            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 0 mm  | bottom     | 1:1       | 1.450          | 1.132              | 1.641  |      |
| 2310.00                                  | 462000 | Mid  | NR Band n30     | 10                          | 22.0                  | 21.39            | 0.00     | 0                      | 0181M    | DFT-S-OFDM | QPSK    | 25        | 14      | 0 mm  | bottom     | 1:1       | 1.460          | 1.151              | 1.680  |      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                 |                             |                       |                  |          | Phablet                |          |            |         |           |         |       |            |           |                |                    |        |      |
| Spatial Peak                             |        |      |                 |                             |                       |                  |          | 4.0 W/kg (mW/g)        |          |            |         |           |         |       |            |           |                |                    |        |      |
| Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | averaged over 10 grams |          |            |         |           |         |       |            |           |                |                    |        |      |

**Table 11-88**  
**NR Band n41 Phablet SAR - Open**

| MEASUREMENT RESULTS                      |        |      |                 |                             |                       |                  |          |                        |          |            |         |           |         |      |            |           |                |                    |        |      |
|------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------------------------|----------|------------|---------|-----------|---------|------|------------|-----------|----------------|--------------------|--------|------|
| FREQUENCY                                |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number          | Waveform | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |      |
| MHz                                      | Ch.    |      |                 |                             |                       |                  |          |                        |          |            |         |           |         |      |            | (W/kg)    |                | (W/kg)             |        |      |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.55            | 0.07     | 0                      | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm | back       | 1:1       | 1.240          | 1.109              | 1.375  |      |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.61            | 0.01     | 0                      | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 0 mm | back       | 1:1       | 1.290          | 1.094              | 1.411  |      |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.55            | 0.01     | 0                      | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm | front      | 1:1       | 1.680          | 1.109              | 1.863  |      |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.61            | 0.01     | 0                      | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 0 mm | front      | 1:1       | 1.850          | 1.094              | 2.024  | A106 |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.48            | 0.02     | 0                      | 0897M    | DFT-S-OFDM | QPSK    | 270       | 0       | 0 mm | front      | 1:1       | 1.670          | 1.127              | 1.882  |      |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.05            | 0.01     | 0                      | 0897M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm | front      | 1:1       | 1.800          | 1.245              | 2.241  |      |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.55            | 0.01     | 0                      | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm | right      | 1:1       | 1.570          | 1.109              | 1.741  |      |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.61            | 0.02     | 0                      | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 0 mm | right      | 1:1       | 1.650          | 1.094              | 1.805  |      |
| 2592.99                                  | 518598 | Mid  | NR Band n41     | 100                         | 22.0                  | 21.48            | 0.02     | 0                      | 0897M    | DFT-S-OFDM | QPSK    | 270       | 0       | 0 mm | right      | 1:1       | 1.550          | 1.127              | 1.747  |      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                 |                             |                       |                  |          | Phablet                |          |            |         |           |         |      |            |           |                |                    |        |      |
| Spatial Peak                             |        |      |                 |                             |                       |                  |          | 4.0 W/kg (mW/g)        |          |            |         |           |         |      |            |           |                |                    |        |      |
| Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | averaged over 10 grams |          |            |         |           |         |      |            |           |                |                    |        |      |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 204 of 337                 |



**Table 11-89**  
**NR Band n77 DoD Phablet SAR – Open**

| MEASUREMENT RESULTS                      |        |      |                 |                             |                       |                |                  |          |                      |          |            |         |           |         |          |            |                |           |                    |        |      |
|------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|----------------------|----------|------------|---------|-----------|---------|----------|------------|----------------|-----------|--------------------|--------|------|
| FREQUENCY                                |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Serial Number        | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | Scaling Factor | SAR (10g) | Reported SAR (10g) | Plot # |      |
| MHz                                      | Ch.    |      |                 |                             |                       |                |                  |          |                      |          |            |         |           |         |          |            |                | (W/kg)    | (W/kg)             |        |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.77          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | back       | 1:1            | 1.183     | 0.915              | 1.082  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.67          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 0 mm     | back       | 1:1            | 1.211     | 0.889              | 1.077  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.67          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 270       | 0       | 0 mm     | back       | 1:1            | 1.211     | 0.819              | 0.992  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.77          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | front      | 1:1            | 1.183     | 0.909              | 1.075  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.67          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 0 mm     | front      | 1:1            | 1.211     | 0.904              | 1.095  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.67          | F                | 0.03     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 270       | 0       | 0 mm     | front      | 1:1            | 1.211     | 1.010              | 1.223  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.77          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | top        | 1:1            | 1.183     | 0.453              | 0.536  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.67          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 0 mm     | top        | 1:1            | 1.211     | 0.444              | 0.538  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.77          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | left       | 1:1            | 1.183     | 2.080              | 2.461  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.67          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 0 mm     | left       | 1:1            | 1.211     | 2.060              | 2.495  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.67          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 270       | 0       | 0 mm     | left       | 1:1            | 1.211     | 2.110              | 2.555  |      |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.66          | F                | -0.07    | 0                    | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm     | left       | 1:1            | 1.213     | 2.270              | 2.754  | A107 |
| 3500.01                                  | 633334 | Md   | NR Band n77     | 100                         | 19.5                  | 18.66          | F                | 0.01     | 0                    | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm     | left       | 1:1            | 1.213     | 2.220              | 2.693  |      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                 |                             |                       |                |                  |          | Phablet              |          |            |         |           |         |          |            |                |           |                    |        |      |
| Spatial Peak                             |        |      |                 |                             |                       |                |                  |          | 1.6 W/kg (mW/g)      |          |            |         |           |         |          |            |                |           |                    |        |      |
| Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                |                  |          | averaged over 1 gram |          |            |         |           |         |          |            |                |           |                    |        |      |

Note: Blue Entry represents variability measurement.

**Table 11-90**  
**NR Band n77 Phablet SAR – Open**

| MEASUREMENT RESULTS                      |        |      |                 |                             |                       |                |                  |          |                      |          |            |         |           |         |          |            |                |           |                    |        |      |
|------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|----------------------|----------|------------|---------|-----------|---------|----------|------------|----------------|-----------|--------------------|--------|------|
| FREQUENCY                                |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Serial Number        | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | Scaling Factor | SAR (10g) | Reported SAR (10g) | Plot # |      |
| MHz                                      | Ch.    |      |                 |                             |                       |                |                  |          |                      |          |            |         |           |         |          |            |                | (W/kg)    | (W/kg)             |        |      |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 19.5                  | 18.93          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | back       | 1:1            | 1.140     | 0.865              | 0.986  |      |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.28          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | back       | 1:1            | 1.052     | 1.050              | 1.105  |      |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 19.5                  | 18.86          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 0 mm     | back       | 1:1            | 1.159     | 0.860              | 0.997  |      |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.19          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 0 mm     | back       | 1:1            | 1.074     | 0.960              | 1.031  |      |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.14          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 270       | 0       | 0 mm     | back       | 1:1            | 1.086     | 0.973              | 1.057  |      |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 19.5                  | 18.93          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | left       | 1:1            | 1.140     | 2.250              | 2.565  |      |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.28          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | left       | 1:1            | 1.052     | 2.230              | 2.346  |      |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 19.5                  | 18.86          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 69      | 0 mm     | left       | 1:1            | 1.159     | 2.190              | 2.538  |      |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.19          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 0 mm     | left       | 1:1            | 1.074     | 2.230              | 2.395  |      |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.14          | F                | 0.02     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 270       | 0       | 0 mm     | left       | 1:1            | 1.086     | 2.240              | 2.433  |      |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.17          | F                | 0.04     | 0                    | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm     | left       | 1:1            | 1.079     | 2.540              | 2.741  | A108 |
| 3750.00                                  | 650000 | Low  | NR Band n77     | 100                         | 19.5                  | 18.93          | F                | 0.01     | 0                    | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 0 mm     | left       | 1:1            | 1.140     | 2.190              | 2.497  |      |
| 3930.00                                  | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.17          | F                | 0.02     | 0                    | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 0 mm     | left       | 1:1            | 1.079     | 2.520              | 2.719  |      |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                 |                             |                       |                |                  |          | Phablet              |          |            |         |           |         |          |            |                |           |                    |        |      |
| Spatial Peak                             |        |      |                 |                             |                       |                |                  |          | 1.6 W/kg (mW/g)      |          |            |         |           |         |          |            |                |           |                    |        |      |
| Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                |                  |          | averaged over 1 gram |          |            |         |           |         |          |            |                |           |                    |        |      |

Note: Blue Entry represents variability measurement.

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 205 of 337                 |

**Table 11-91**  
**WLAN SISO Phablet SAR - Open**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                      |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|------------------------------------------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|-----------|------------------------|-----------------------------|--------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (10g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (10g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                      |                 |                 |                      |                  |       |                | W/kg                  | (W/kg)    |                        |                             | (W/kg)             |        |
| 5300                                                                                              | 60  | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | -0.08            | 0 mm                                                 | 1               | Q               | 1600S                | 6                | back  | 98.9           | 4.125                 | 0.716     | 1.047                  | 1.011                       | 0.758              |        |
| 5300                                                                                              | 60  | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | -0.05            | 0 mm                                                 | 1               | Q               | 1600S                | 6                | front | 98.9           | 2.210                 | -         | 1.047                  | 1.011                       | -                  |        |
| 5300                                                                                              | 60  | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | -0.01            | 0 mm                                                 | 1               | Q               | 1600S                | 6                | top   | 98.9           | 2.156                 | -         | 1.047                  | 1.011                       | -                  |        |
| 5300                                                                                              | 60  | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.00             | 0 mm                                                 | 1               | Q               | 1600S                | 6                | right | 98.9           | 0.669                 | -         | 1.047                  | 1.011                       | -                  |        |
| 5320                                                                                              | 64  | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.02             | 0 mm                                                 | 1               | N               | 0677M                | 6                | back  | 98.9           | 2.070                 | -         | 1.002                  | 1.011                       | -                  |        |
| 5320                                                                                              | 64  | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.02             | 0 mm                                                 | 1               | N               | 0677M                | 6                | front | 98.9           | 1.410                 | -         | 1.002                  | 1.011                       | -                  |        |
| 5320                                                                                              | 64  | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.02             | 0 mm                                                 | 1               | N               | 0677M                | 6                | top   | 98.9           | 2.960                 | 0.312     | 1.002                  | 1.011                       | 0.316              |        |
| 5320                                                                                              | 64  | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.02             | 0 mm                                                 | 1               | N               | 0677M                | 6                | right | 98.9           | 0.421                 | -         | 1.002                  | 1.011                       | -                  |        |
| 5600                                                                                              | 120 | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.01             | 0 mm                                                 | 1               | Q               | 1600S                | 6                | back  | 98.9           | 5.015                 | 0.336     | 1.047                  | 1.011                       | 0.356              |        |
| 5600                                                                                              | 120 | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.01             | 0 mm                                                 | 1               | Q               | 1600S                | 6                | front | 98.9           | 1.884                 | -         | 1.047                  | 1.011                       | -                  |        |
| 5600                                                                                              | 120 | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.01             | 0 mm                                                 | 1               | Q               | 1600S                | 6                | top   | 98.9           | 2.170                 | -         | 1.047                  | 1.011                       | -                  |        |
| 5600                                                                                              | 120 | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.01             | 0 mm                                                 | 1               | Q               | 1600S                | 6                | right | 98.9           | 0.895                 | -         | 1.047                  | 1.011                       | -                  |        |
| 5720                                                                                              | 144 | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.02             | 0 mm                                                 | 1               | N               | 0677M                | 6                | back  | 98.9           | 1.270                 | -         | 1.002                  | 1.011                       | -                  |        |
| 5720                                                                                              | 144 | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.02             | 0 mm                                                 | 1               | N               | 0677M                | 6                | front | 98.9           | 1.490                 | -         | 1.002                  | 1.011                       | -                  |        |
| 5720                                                                                              | 144 | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.01             | 0 mm                                                 | 1               | N               | 0677M                | 6                | top   | 98.9           | 2.760                 | 0.322     | 1.002                  | 1.011                       | 0.326              |        |
| 5720                                                                                              | 144 | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.02             | 0 mm                                                 | 1               | N               | 0677M                | 6                | right | 98.9           | 0.386                 | -         | 1.002                  | 1.011                       | -                  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |

**Table 11-92**  
**WLAN MIMO Phablet SAR - Open**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |                                                      |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|------------------------------------------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|-----------|------------------------|-----------------------------|--------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing                                              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (10g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (10g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                                                      |                 |                 |                      |                  |       |                | W/kg                  | (W/kg)    |                        |                             | (W/kg)             |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.65                         | 18.0                                | 17.81                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | back  | 99.7           | 3.940                 | -         | 1.084                  | 1.003                       | -                  |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.65                         | 18.0                                | 17.81                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | front | 99.7           | 3.020                 | -         | 1.084                  | 1.003                       | -                  |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.65                         | 18.0                                | 17.81                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | top   | 99.7           | 2.470                 | -         | 1.084                  | 1.003                       | -                  |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.65                         | 18.0                                | 17.81                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | right | 99.7           | 0.947                 | -         | 1.084                  | 1.003                       | -                  |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.65                         | 18.0                                | 17.81                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | left  | 99.7           | 4.960                 | 0.894     | 1.084                  | 1.003                       | 0.972              |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.96                         | 18.0                                | 17.83                         | 0.01             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | back  | 99.8           | 2.510                 | -         | 1.040                  | 1.002                       | -                  |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.96                         | 18.0                                | 17.83                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | front | 99.8           | 1.600                 | -         | 1.040                  | 1.002                       | -                  |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.96                         | 18.0                                | 17.83                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | top   | 99.8           | 2.400                 | -         | 1.040                  | 1.002                       | -                  |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.96                         | 18.0                                | 17.83                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | right | 99.8           | 0.449                 | -         | 1.040                  | 1.002                       | -                  |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.96                         | 18.0                                | 17.83                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | left  | 99.8           | 4.780                 | 0.603     | 1.040                  | 1.002                       | 0.628              |        |
| 5720                                     | 144 | 802.11n | OFDM    | 20              | 18.0                                | 17.59                         | 18.0                                | 17.79                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | back  | 99.7           | 4.380                 | 0.897     | 1.099                  | 1.003                       | 0.989              |        |
| 5720                                     | 144 | 802.11n | OFDM    | 20              | 18.0                                | 17.59                         | 18.0                                | 17.79                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | front | 99.7           | 2.400                 | -         | 1.099                  | 1.003                       | -                  |        |
| 5720                                     | 144 | 802.11n | OFDM    | 20              | 18.0                                | 17.59                         | 18.0                                | 17.79                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | top   | 99.7           | 2.370                 | -         | 1.099                  | 1.003                       | -                  |        |
| 5720                                     | 144 | 802.11n | OFDM    | 20              | 18.0                                | 17.59                         | 18.0                                | 17.79                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | right | 99.7           | 1.020                 | -         | 1.099                  | 1.003                       | -                  |        |
| 5720                                     | 144 | 802.11n | OFDM    | 20              | 18.0                                | 17.59                         | 18.0                                | 17.79                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 13               | left  | 99.7           | 4.010                 | -         | 1.099                  | 1.003                       | -                  |        |
| 5620                                     | 124 | 802.11n | OFDM    | 20              | 18.0                                | 17.99                         | 18.0                                | 17.91                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | back  | 99.8           | 4.830                 | 0.886     | 1.021                  | 1.002                       | 0.906              |        |
| 5620                                     | 124 | 802.11n | OFDM    | 20              | 18.0                                | 17.99                         | 18.0                                | 17.91                         | 0.01             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | front | 99.8           | 4.670                 | -         | 1.021                  | 1.002                       | -                  |        |
| 5620                                     | 124 | 802.11n | OFDM    | 20              | 18.0                                | 17.99                         | 18.0                                | 17.91                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | top   | 99.8           | 2.270                 | -         | 1.021                  | 1.002                       | -                  |        |
| 5620                                     | 124 | 802.11n | OFDM    | 20              | 18.0                                | 17.99                         | 18.0                                | 17.91                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | right | 99.8           | 0.601                 | -         | 1.021                  | 1.002                       | -                  |        |
| 5620                                     | 124 | 802.11n | OFDM    | 20              | 18.0                                | 17.99                         | 18.0                                | 17.91                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 13               | left  | 99.8           | 6.330                 | 1.020     | 1.021                  | 1.002                       | 1.044              | A108   |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  |                                                      |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  |                                                      |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |

Note: To achieve the 21.0 dBm maximum allowed MIMO power shown in the documentation each antenna transmits at a maximum allowed power of 18.0 dBm.

|                                             |                                                                                     |                               |  |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |  | Page 206 of 337                                                                       |                                 |

**Table 11-93**  
**WLAN SISO Phablet SAR for Conditions with 5G NR- Open**

| MEASUREMENT RESULTS                                   |     |          |         |                 |                             |                       |                  |                            |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
|-------------------------------------------------------|-----|----------|---------|-----------------|-----------------------------|-----------------------|------------------|----------------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|-----------|------------------------|-----------------------------|--------------------|--------|
| FREQUENCY                                             |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                    | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (10g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (10g) | Plot # |
| MHz                                                   | Ch. |          |         |                 |                             |                       |                  |                            |                 |                 |                      |                  |       |                | W/kg                  | (W/kg)    |                        |                             | (W/kg)             |        |
| 5310                                                  | 62  | 802.11n  | OFDM    | 40              | 15.0                        | 14.77                 | 0.01             | 0 mm                       | 1               | Q               | 1600S                | 13.5             | back  | 99.7           | 0.671                 | 0.098     | 1.054                  | 1.003                       | 0.104              |        |
| 5310                                                  | 62  | 802.11n  | OFDM    | 40              | 15.0                        | 14.77                 | 0.02             | 0 mm                       | 1               | Q               | 1600S                | 13.5             | front | 99.7           | 0.312                 | -         | 1.054                  | 1.003                       | -                  |        |
| 5310                                                  | 62  | 802.11n  | OFDM    | 40              | 15.0                        | 14.77                 | 0.00             | 0 mm                       | 1               | Q               | 1600S                | 13.5             | top   | 99.7           | 0.700                 | 0.096     | 1.054                  | 1.003                       | 0.101              |        |
| 5310                                                  | 62  | 802.11n  | OFDM    | 40              | 15.0                        | 14.77                 | 0.02             | 0 mm                       | 1               | Q               | 1600S                | 13.5             | right | 99.7           | 0.221                 | -         | 1.054                  | 1.003                       | -                  |        |
| 5270                                                  | 54  | 802.11n  | OFDM    | 40              | 15.0                        | 14.96                 | 0.01             | 0 mm                       | 1               | N               | 0677M                | 13.5             | back  | 99.7           | 0.958                 | 0.194     | 1.009                  | 1.003                       | 0.196              |        |
| 5270                                                  | 54  | 802.11n  | OFDM    | 40              | 15.0                        | 14.96                 | 0.02             | 0 mm                       | 1               | N               | 0677M                | 13.5             | front | 99.7           | 0.640                 | -         | 1.009                  | 1.003                       | -                  |        |
| 5270                                                  | 54  | 802.11n  | OFDM    | 40              | 15.0                        | 14.96                 | 0.02             | 0 mm                       | 1               | N               | 0677M                | 13.5             | top   | 99.7           | 1.420                 | 0.164     | 1.009                  | 1.003                       | 0.166              |        |
| 5270                                                  | 54  | 802.11n  | OFDM    | 40              | 15.0                        | 14.96                 | 0.02             | 0 mm                       | 1               | N               | 0677M                | 13.5             | right | 99.7           | 0.280                 | -         | 1.009                  | 1.003                       | -                  |        |
| 5690                                                  | 138 | 802.11ac | OFDM    | 80              | 15.0                        | 14.82                 | 0.02             | 0 mm                       | 1               | Q               | 1600S                | 29.3             | back  | 99.7           | 0.416                 | 0.090     | 1.042                  | 1.003                       | 0.094              |        |
| 5690                                                  | 138 | 802.11ac | OFDM    | 80              | 15.0                        | 14.82                 | 0.02             | 0 mm                       | 1               | Q               | 1600S                | 29.3             | front | 99.7           | 0.349                 | -         | 1.042                  | 1.003                       | -                  |        |
| 5690                                                  | 138 | 802.11ac | OFDM    | 80              | 15.0                        | 14.82                 | 0.02             | 0 mm                       | 1               | Q               | 1600S                | 29.3             | top   | 99.7           | 0.598                 | 0.073     | 1.042                  | 1.003                       | 0.076              |        |
| 5690                                                  | 138 | 802.11ac | OFDM    | 80              | 15.0                        | 14.82                 | 0.02             | 0 mm                       | 1               | Q               | 1600S                | 29.3             | right | 99.7           | 0.154                 | -         | 1.042                  | 1.003                       | -                  |        |
| 5690                                                  | 138 | 802.11ac | OFDM    | 80              | 15.0                        | 14.99                 | 0.02             | 0 mm                       | 1               | N               | 0677M                | 29.3             | back  | 99.7           | 0.663                 | 0.172     | 1.002                  | 1.003                       | 0.173              |        |
| 5690                                                  | 138 | 802.11ac | OFDM    | 80              | 15.0                        | 14.99                 | 0.02             | 0 mm                       | 1               | N               | 0677M                | 29.3             | front | 99.7           | 0.773                 | -         | 1.002                  | 1.003                       | -                  |        |
| 5690                                                  | 138 | 802.11ac | OFDM    | 80              | 15.0                        | 14.99                 | 0.02             | 0 mm                       | 1               | N               | 0677M                | 29.3             | top   | 99.7           | 1.250                 | 0.156     | 1.002                  | 1.003                       | 0.157              |        |
| 5690                                                  | 138 | 802.11ac | OFDM    | 80              | 15.0                        | 14.99                 | 0.02             | 0 mm                       | 1               | N               | 0677M                | 29.3             | right | 99.7           | 0.191                 | -         | 1.002                  | 1.003                       | -                  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |     |          |         |                 |                             |                       |                  | Phablet<br>4.0 W/kg (mW/g) |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
| Uncontrolled Exposure/General Population              |     |          |         |                 |                             |                       |                  | averaged over 10 grams     |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |

Note: 5GHZ WLAN SISO was additionally evaluated at the maximum allowed output power during operations with Simultaneous 5GHz WLAN and 5G NR active. 5G NR was not transmitting during the above evaluations

**Table 11-94**  
**WLAN MIMO Phablet SAR for Conditions with 5G NR - Open**

| MEASUREMENT RESULTS                                                                               |     |          |         |                 |                                     |                               |                                     |                               |                  |                                                      |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
|---------------------------------------------------------------------------------------------------|-----|----------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|------------------------------------------------------|-----------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|-----------|------------------------|-----------------------------|--------------------|--------|
| FREQUENCY                                                                                         |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing                                              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (10g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (10g) | Plot # |
| MHz                                                                                               | Ch. |          |         |                 |                                     |                               |                                     |                               |                  |                                                      |                 |                 |                      |                  |       |                | W/kg                  | (W/kg)    |                        |                             | (W/kg)             |        |
| 5310                                                                                              | 62  | 802.11n  | OFDM    | 40              | 15.0                                | 14.70                         | 15.0                                | 14.76                         | 0.02             | 0 mm                                                 | MIMO            | Q               | 1600S                | 27               | back  | 99.7           | 1.110                 | 0.208     | 1.072                  | 1.003                       | 0.224              |        |
| 5310                                                                                              | 62  | 802.11n  | OFDM    | 40              | 15.0                                | 14.70                         | 15.0                                | 14.76                         | 0.01             | 0 mm                                                 | MIMO            | Q               | 1600S                | 27               | front | 99.7           | 0.737                 | -         | 1.072                  | 1.003                       | -                  |        |
| 5310                                                                                              | 62  | 802.11n  | OFDM    | 40              | 15.0                                | 14.70                         | 15.0                                | 14.76                         | 0.02             | 0 mm                                                 | MIMO            | Q               | 1600S                | 27               | top   | 99.7           | 0.750                 | -         | 1.072                  | 1.003                       | -                  |        |
| 5310                                                                                              | 62  | 802.11n  | OFDM    | 40              | 15.0                                | 14.70                         | 15.0                                | 14.76                         | 0.02             | 0 mm                                                 | MIMO            | Q               | 1600S                | 27               | right | 99.7           | 0.173                 | -         | 1.072                  | 1.003                       | -                  |        |
| 5310                                                                                              | 62  | 802.11n  | OFDM    | 40              | 15.0                                | 14.70                         | 15.0                                | 14.76                         | 0.03             | 0 mm                                                 | MIMO            | Q               | 1600S                | 27               | left  | 99.7           | 1.800                 | 0.219     | 1.072                  | 1.003                       | 0.235              |        |
| 5270                                                                                              | 54  | 802.11n  | OFDM    | 40              | 15.0                                | 14.65                         | 15.0                                | 14.77                         | 0.01             | 0 mm                                                 | MIMO            | N               | 0677M                | 27               | back  | 99.7           | 1.490                 | 0.314     | 1.084                  | 1.003                       | 0.341              |        |
| 5270                                                                                              | 54  | 802.11n  | OFDM    | 40              | 15.0                                | 14.65                         | 15.0                                | 14.77                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 27               | front | 99.7           | 1.520                 | -         | 1.084                  | 1.003                       | -                  |        |
| 5270                                                                                              | 54  | 802.11n  | OFDM    | 40              | 15.0                                | 14.65                         | 15.0                                | 14.77                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 27               | top   | 99.7           | 1.480                 | -         | 1.084                  | 1.003                       | -                  |        |
| 5270                                                                                              | 54  | 802.11n  | OFDM    | 40              | 15.0                                | 14.65                         | 15.0                                | 14.77                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 27               | right | 99.7           | 0.375                 | -         | 1.084                  | 1.003                       | -                  |        |
| 5270                                                                                              | 54  | 802.11n  | OFDM    | 40              | 15.0                                | 14.65                         | 15.0                                | 14.77                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 27               | left  | 99.7           | 3.050                 | 0.455     | 1.084                  | 1.003                       | 0.495              |        |
| 5610                                                                                              | 122 | 802.11ac | OFDM    | 80              | 15.0                                | 14.86                         | 15.0                                | 14.84                         | 0.02             | 0 mm                                                 | MIMO            | Q               | 1600S                | 58.5             | back  | 99.7           | 1.640                 | 0.250     | 1.038                  | 1.003                       | 0.260              |        |
| 5610                                                                                              | 122 | 802.11ac | OFDM    | 80              | 15.0                                | 14.86                         | 15.0                                | 14.84                         | 0.02             | 0 mm                                                 | MIMO            | Q               | 1600S                | 58.5             | front | 99.7           | 1.340                 | -         | 1.038                  | 1.003                       | -                  |        |
| 5610                                                                                              | 122 | 802.11ac | OFDM    | 80              | 15.0                                | 14.86                         | 15.0                                | 14.84                         | 0.02             | 0 mm                                                 | MIMO            | Q               | 1600S                | 58.5             | top   | 99.7           | 1.010                 | -         | 1.038                  | 1.003                       | -                  |        |
| 5610                                                                                              | 122 | 802.11ac | OFDM    | 80              | 15.0                                | 14.86                         | 15.0                                | 14.84                         | 0.02             | 0 mm                                                 | MIMO            | Q               | 1600S                | 58.5             | right | 99.7           | 0.240                 | -         | 1.038                  | 1.003                       | -                  |        |
| 5610                                                                                              | 122 | 802.11ac | OFDM    | 80              | 15.0                                | 14.86                         | 15.0                                | 14.84                         | 0.02             | 0 mm                                                 | MIMO            | Q               | 1600S                | 58.5             | left  | 99.7           | 2.620                 | 0.325     | 1.038                  | 1.003                       | 0.338              |        |
| 5690                                                                                              | 138 | 802.11ac | OFDM    | 80              | 15.0                                | 14.29                         | 15.0                                | 14.99                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 58.5             | back  | 99.7           | 2.260                 | 0.355     | 1.178                  | 1.003                       | 0.419              |        |
| 5690                                                                                              | 138 | 802.11ac | OFDM    | 80              | 15.0                                | 14.29                         | 15.0                                | 14.99                         | 0.03             | 0 mm                                                 | MIMO            | N               | 0677M                | 58.5             | front | 99.7           | 3.100                 | -         | 1.178                  | 1.003                       | -                  |        |
| 5690                                                                                              | 138 | 802.11ac | OFDM    | 80              | 15.0                                | 14.29                         | 15.0                                | 14.99                         | 0.03             | 0 mm                                                 | MIMO            | N               | 0677M                | 58.5             | top   | 99.7           | 1.440                 | -         | 1.178                  | 1.003                       | -                  |        |
| 5690                                                                                              | 138 | 802.11ac | OFDM    | 80              | 15.0                                | 14.29                         | 15.0                                | 14.99                         | 0.02             | 0 mm                                                 | MIMO            | N               | 0677M                | 58.5             | right | 99.7           | 0.292                 | -         | 1.178                  | 1.003                       | -                  |        |
| 5690                                                                                              | 138 | 802.11ac | OFDM    | 80              | 15.0                                | 14.29                         | 15.0                                | 14.99                         | 0.01             | 0 mm                                                 | MIMO            | N               | 0677M                | 58.5             | left  | 99.7           | 3.190                 | 0.560     | 1.178                  | 1.003                       | 0.662              |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |         |                 |                                     |                               |                                     |                               |                  | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |                 |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |

Note: 5GHZ WLAN MIMO was additionally evaluated at the maximum allowed output power during operations with Simultaneous 5GHz WLAN and 5G NR active. 5G NR was not transmitting during the above evaluations

|                                             |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 207 of 337                 |

## 11.5 Standalone Closed Body-Worn SAR Data

**Table 11-95**  
**GSM/UMTS/CDMA Body-Worn SAR Data – Closed**

| MEASUREMENT RESULTS                      |      |            |             |                             |                       |            |                  |          |                                         |                      |                 |            |      |          |                |                   |        |
|------------------------------------------|------|------------|-------------|-----------------------------|-----------------------|------------|------------------|----------|-----------------------------------------|----------------------|-----------------|------------|------|----------|----------------|-------------------|--------|
| FREQUENCY                                |      | Mode       | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Position | Spacing                                 | Device Serial Number | # of Time Slots | Duty Cycle | Side | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                      | Ch.  |            |             |                             |                       |            |                  |          |                                         |                      |                 |            |      | (W/kg)   |                | (W/kg)            |        |
| 848.31                                   | 777  | Cell. CDMA | TDSO / SO32 | 25.0                        | 24.10                 | 0          | 0.00             | Body     | 15 mm                                   | 0747M                | N/A             | 1:1        | back | 0.378    | 1.230          | 0.465             | A32    |
| 1851.25                                  | 25   | PCS CDMA   | TDSO / SO32 | 24.0                        | 23.29                 | 19         | 0.00             | Body     | 15 mm                                   | 0765M                | N/A             | 1:1        | back | 0.230    | 1.178          | 0.271             |        |
| 824.20                                   | 128  | GSM 850    | GSM         | 33.0                        | 32.00                 | N/A        | -0.06            | Body     | 15 mm                                   | 0747M                | 1               | 1:8.3      | back | 0.272    | 1.259          | 0.342             | A36    |
| 1850.20                                  | 512  | GSM 1900   | GSM         | 30.0                        | 29.25                 | N/A        | 0.02             | Body     | 15 mm                                   | 0760M                | 1               | 1:8.3      | back | 0.110    | 1.189          | 0.131             |        |
| 836.60                                   | 4183 | UMTS 850   | RMC         | 25.0                        | 24.49                 | 0          | 0.00             | Body     | 15 mm                                   | 0747M                | N/A             | 1:1        | back | 0.370    | 1.125          | 0.416             | A40    |
| 1732.40                                  | 1412 | UMTS 1750  | RMC         | 24.0                        | 23.70                 | 18         | -0.03            | Body     | 15 mm                                   | 0760M                | N/A             | 1:1        | back | 0.164    | 1.072          | 0.176             |        |
| 1880.00                                  | 9400 | UMTS 1900  | RMC         | 24.0                        | 23.82                 | 20         | 0.01             | Body     | 15 mm                                   | 0760M                | N/A             | 1:1        | back | 0.223    | 1.042          | 0.232             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |            |             |                             |                       |            |                  |          |                                         |                      |                 |            |      |          |                |                   |        |
| Spatial Peak                             |      |            |             |                             |                       |            |                  |          | Body                                    |                      |                 |            |      |          |                |                   |        |
| Uncontrolled Exposure/General Population |      |            |             |                             |                       |            |                  |          | 1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |                 |            |      |          |                |                   |        |

**Table 11-96**  
**LTE Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                      |        |          |                    |                 |                             |                       |            |                  |          |                      |            |         |           |         |      |            |        |                |        |        |
|------------------------------------------|--------|----------|--------------------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|----------------------|------------|---------|-----------|---------|------|------------|--------|----------------|--------|--------|
| MHz                                      | Ch.    |          | Mode               | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |
| 680.50                                   | 133297 | Mid      | LTE Band 71        | 20              | 25.5                        | 24.11                 | 0          | -0.17            | 0        | 0847M                | QPSK       | 1       | 50        | 15 mm   | back | 1:1        | 0.238  | 1.377          | 0.328  |        |
| 680.50                                   | 133297 | Mid      | LTE Band 71        | 20              | 24.5                        | 23.26                 | 0          | -0.06            | 1        | 0847M                | QPSK       | 50      | 25        | 15 mm   | back | 1:1        | 0.188  | 1.330          | 0.250  |        |
| 707.50                                   | 23095  | Mid      | LTE Band 12        | 10              | 25.5                        | 24.25                 | 26         | 0.13             | 0        | 0847M                | QPSK       | 1       | 25        | 15 mm   | back | 1:1        | 0.244  | 1.334          | 0.325  | A48    |
| 707.50                                   | 23095  | Mid      | LTE Band 12        | 10              | 24.5                        | 23.40                 | 26         | 0.07             | 1        | 0847M                | QPSK       | 25      | 12        | 15 mm   | back | 1:1        | 0.198  | 1.288          | 0.255  |        |
| 782.00                                   | 23230  | Mid      | LTE Band 13        | 10              | 25.5                        | 24.27                 | 0          | -0.03            | 0        | 0847M                | QPSK       | 1       | 49        | 15 mm   | back | 1:1        | 0.208  | 1.327          | 0.276  | A50    |
| 782.00                                   | 23230  | Mid      | LTE Band 13        | 10              | 24.5                        | 23.33                 | 0          | -0.19            | 1        | 0847M                | QPSK       | 25      | 0         | 15 mm   | back | 1:1        | 0.151  | 1.309          | 0.198  |        |
| 793.00                                   | 23330  | Mid      | LTE Band 14        | 10              | 25.5                        | 24.20                 | 0          | -0.07            | 0        | 0847M                | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.210  | 1.349          | 0.283  | A52    |
| 793.00                                   | 23330  | Mid      | LTE Band 14        | 10              | 24.5                        | 23.34                 | 0          | 0.00             | 1        | 0847M                | QPSK       | 25      | 12        | 15 mm   | back | 1:1        | 0.192  | 1.306          | 0.251  |        |
| 831.50                                   | 26865  | Mid      | LTE Band 26 (Cell) | 15              | 25.3                        | 24.00                 | 2          | -0.05            | 0        | 0829M                | QPSK       | 1       | 74        | 15 mm   | back | 1:1        | 0.331  | 1.349          | 0.447  | A54    |
| 831.50                                   | 26865  | Mid      | LTE Band 26 (Cell) | 15              | 24.3                        | 23.05                 | 2          | 0.05             | 1        | 0829M                | QPSK       | 36      | 37        | 15 mm   | back | 1:1        | 0.236  | 1.334          | 0.315  |        |
| 1770.00                                  | 132572 | High     | LTE Band 66 (AWS)  | 20              | 25.0                        | 23.91                 | 14         | -0.03            | 0        | 1916M                | QPSK       | 1       | 99        | 15 mm   | back | 1:1        | 0.171  | 1.285          | 0.220  |        |
| 1770.00                                  | 132572 | High     | LTE Band 66 (AWS)  | 20              | 24.0                        | 23.04                 | 15         | 0.03             | 1        | 1916M                | QPSK       | 50      | 25        | 15 mm   | back | 1:1        | 0.165  | 1.247          | 0.206  |        |
| 1882.50                                  | 26365  | Mid      | LTE Band 25 (PCS)  | 20              | 25.0                        | 24.37                 | 2          | 0.02             | 0        | 0748M                | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.440  | 1.156          | 0.509  |        |
| 1882.50                                  | 26365  | Mid      | LTE Band 25 (PCS)  | 20              | 24.0                        | 23.40                 | 2          | 0.01             | 1        | 0748M                | QPSK       | 50      | 25        | 15 mm   | back | 1:1        | 0.350  | 1.148          | 0.402  |        |
| 2310.00                                  | 27710  | Mid      | LTE Band 30        | 10              | 24.0                        | 23.40                 | N/A        | -0.03            | 0        | 0748M                | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.293  | 1.148          | 0.336  |        |
| 2310.00                                  | 27710  | Mid      | LTE Band 30        | 10              | 23.0                        | 22.45                 | N/A        | 0.01             | 1        | 0748M                | QPSK       | 25      | 0         | 15 mm   | back | 1:1        | 0.241  | 1.135          | 0.274  |        |
| 2535.00                                  | 21100  | Mid      | LTE Band 7         | 20              | 25.0                        | 24.02                 | N/A        | 0.00             | 0        | 0126M                | QPSK       | 1       | 0         | 15 mm   | back | 1:1        | 0.353  | 1.253          | 0.442  |        |
| 2535.00                                  | 21100  | Mid      | LTE Band 7         | 20              | 24.0                        | 23.08                 | N/A        | 0.01             | 1        | 0126M                | QPSK       | 50      | 25        | 15 mm   | back | 1:1        | 0.282  | 1.236          | 0.349  |        |
| 3646.70                                  | 56207  | Mid-High | LTE Band 48        | 20              | 22.5                        | 22.30                 | N/A        | 0.01             | 0        | 0881M                | QPSK       | 1       | 50        | 15 mm   | back | 1:1.58     | 0.025  | 1.047          | 0.026  |        |
| 3646.70                                  | 56207  | Mid-High | LTE Band 48        | 20              | 22.5                        | 22.27                 | N/A        | 0.01             | 0        | 0881M                | QPSK       | 50      | 25        | 15 mm   | back | 1:1.58     | 0.027  | 1.054          | 0.028  |        |
| 2680.00                                  | 41490  | High     | LTE Band 41        | 20              | 25.5                        | 24.54                 | N/A        | 0.02             | 0        | 0123M                | QPSK       | 1       | 50        | 15 mm   | back | 1:1.58     | 0.188  | 1.247          | 0.234  |        |
| 2680.00                                  | 41490  | High     | LTE Band 41        | 20              | 24.5                        | 23.60                 | N/A        | 0.02             | 1        | 0123M                | QPSK       | 50      | 50        | 15 mm   | back | 1:1.58     | 0.150  | 1.230          | 0.185  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |          |                    |                 |                             |                       |            |                  |          | Body                 |            |         |           |         |      |            |        |                |        |        |
| Spatial Peak                             |        |          |                    |                 |                             |                       |            |                  |          | 1.6 W/kg (mW/g)      |            |         |           |         |      |            |        |                |        |        |
| Uncontrolled Exposure/General Population |        |          |                    |                 |                             |                       |            |                  |          | averaged over 1 gram |            |         |           |         |      |            |        |                |        |        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 208 of 337                        |

**Table 11-97**  
**LTE Band 5 Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                      |                   |        |       |      |                   |                             |                       |            |                  |          |                      |                      |         |           |         |       |            |        |                |        |        |     |
|------------------------------------------|-------------------|--------|-------|------|-------------------|-----------------------------|-----------------------|------------|------------------|----------|----------------------|----------------------|---------|-----------|---------|-------|------------|--------|----------------|--------|--------|-----|
| 1 CC Uplink   2 CC Uplink                | Component Carrier | MHz    | Ch.   | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation           | RB Size | RB Offset | Spacing | Side  | Duty Cycle | (W/kg) | Scaling Factor | (W/kg) | Plot # |     |
| 1 CC Uplink                              | N/A               | 836.50 | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 25.3                  | 23.67      | 0                | -0.05    | 0                    | 0122M                | QPSK    | 1         | 49      | 15 mm | back       | 1:1    | 0.304          | 1.455  | 0.442  |     |
| 1 CC Uplink                              | N/A               | 836.50 | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 24.3                  | 22.62      | 0                | 0.02     | 1                    | 0122M                | QPSK    | 25        | 25      | 15 mm | back       | 1:1    | 0.246          | 1.472  | 0.362  |     |
| 2 CC Uplink                              | PCC               | 836.50 | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 25.3                  | 23.90      | 0                | 0.17     | 0                    | 0122M                | QPSK    | 1         | 49      | 15 mm | back       | 1:1    | 0.321          | 1.380  | 0.443  | A56 |
|                                          | SCC               | 843.70 | 20597 | Mid  |                   | 5                           |                       |            |                  |          |                      |                      |         |           | 0       |       |            |        |                |        |        |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |                   |        |       |      |                   |                             |                       |            |                  |          |                      | Body                 |         |           |         |       |            |        |                |        |        |     |
| Spatial Peak                             |                   |        |       |      |                   |                             |                       |            |                  |          |                      | 1.6 W/kg (mW/g)      |         |           |         |       |            |        |                |        |        |     |
| Uncontrolled Exposure/General Population |                   |        |       |      |                   |                             |                       |            |                  |          |                      | averaged over 1 gram |         |           |         |       |            |        |                |        |        |     |

**Table 11-98**  
**NR Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                |                  |          |            |               |          |                      |         |           |         |       |            |          |                   |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------|------------|---------------|----------|----------------------|---------|-----------|---------|-------|------------|----------|-------------------|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Tune State | Serial Number | Waveform | Modulation           | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor    |
| MHz                                      | Ch.    |      |                   |                             |                       |                |                  |          |            |               |          |                      |         |           |         |       |            | (W/kg)   | Reported SAR (1g) |
| 680.50                                   | 136100 | Mid  | NR Band n71       | 20                          | 25.5                  | 24.19          | A                | 0.00     | 0          | 0             | 0175M    | DFT-S-OFDM           | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.224             |
| 680.50                                   | 136100 | Mid  | NR Band n71       | 20                          | 25.5                  | 24.22          | A                | -0.05    | 0          | 0             | 0175M    | DFT-S-OFDM           | QPSK    | 50        | 28      | 15 mm | back       | 1:1      | 0.181             |
| 680.50                                   | 136100 | Mid  | NR Band n71       | 20                          | 24.0                  | 23.21          | A                | -0.17    | 1.5        | 0             | 0175M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.136             |
| 707.50                                   | 141500 | Mid  | NR Band n12       | 15                          | 25.5                  | 23.95          | A                | -0.01    | 0          | 26            | 0177M    | DFT-S-OFDM           | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.143             |
| 707.50                                   | 141500 | Mid  | NR Band n12       | 15                          | 25.5                  | 24.03          | A                | -0.01    | 0          | 26            | 0177M    | DFT-S-OFDM           | QPSK    | 36        | 22      | 15 mm | back       | 1:1      | 0.166             |
| 707.50                                   | 141500 | Mid  | NR Band n12       | 15                          | 24.0                  | 23.12          | A                | 0.06     | 1.5        | 26            | 0177M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.097             |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.80          | A                | 0.01     | 0          | 0             | 0183M    | DFT-S-OFDM           | QPSK    | 1         | 53      | 15 mm | back       | 1:1      | 0.350             |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 25.3                  | 23.84          | A                | 0.00     | 0          | 0             | 0183M    | DFT-S-OFDM           | QPSK    | 50        | 28      | 15 mm | back       | 1:1      | 0.356             |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 23.8                  | 22.62          | A                | 0.02     | 1.5        | 0             | 0183M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.233             |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.90          | A                | -0.17    | 0          | 14            | 0218M    | DFT-S-OFDM           | QPSK    | 1         | 214     | 15 mm | back       | 1:1      | 0.244             |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 24.5                  | 23.85          | A                | -0.10    | 0          | 15            | 0218M    | DFT-S-OFDM           | QPSK    | 108       | 54      | 15 mm | back       | 1:1      | 0.262             |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 23.0                  | 22.22          | A                | 0.00     | 1.5        | 14            | 0218M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.220             |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.63          | I                | 0.18     | 0          | N/A           | 0879M    | DFT-S-OFDM           | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.040             |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.66          | I                | 0.02     | 0          | N/A           | 0879M    | DFT-S-OFDM           | QPSK    | 108       | 54      | 15 mm | back       | 1:1      | 0.044             |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 22.0                  | 21.62          | I                | 0.02     | 0          | N/A           | 0879M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.030             |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.73          | A                | 0.02     | 0          | 2             | 0195M    | DFT-S-OFDM           | QPSK    | 1         | 214     | 15 mm | back       | 1:1      | 0.348             |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 23.50          | A                | 0.02     | 0          | 2             | 0195M    | DFT-S-OFDM           | QPSK    | 108       | 54      | 15 mm | back       | 1:1      | 0.327             |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.0                  | 22.16          | A                | 0.02     | 1.5        | 2             | 0195M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.217             |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 24.49          | I                | 0.02     | 0          | N/A           | 0818M    | DFT-S-OFDM           | QPSK    | 1         | 214     | 15 mm | back       | 1:1      | 0.043             |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 24.5                  | 24.35          | I                | 0.02     | 0          | N/A           | 0818M    | DFT-S-OFDM           | QPSK    | 108       | 54      | 15 mm | back       | 1:1      | 0.048             |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.0                  | 22.99          | I                | 0.01     | 1.5        | N/A           | 0818M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.037             |
| 2310.00                                  | 462000 | Mid  | NR Band n30       | 10                          | 23.5                  | 22.73          | A                | 0.00     | 0          | N/A           | 0181M    | DFT-S-OFDM           | QPSK    | 1         | 26      | 15 mm | back       | 1:1      | 0.302             |
| 2310.00                                  | 462000 | Mid  | NR Band n30       | 10                          | 23.5                  | 22.46          | A                | 0.00     | 0          | N/A           | 0181M    | DFT-S-OFDM           | QPSK    | 25        | 14      | 15 mm | back       | 1:1      | 0.297             |
| 2310.00                                  | 462000 | Mid  | NR Band n30       | 10                          | 22.0                  | 21.15          | A                | 0.01     | 1.5        | N/A           | 0181M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.185             |
| 2592.99                                  | 518598 | Mid  | NR Band n41       | 100                         | 22.0                  | 21.55          | I                | 0.02     | 0          | N/A           | 0897M    | DFT-S-OFDM           | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.063             |
| 2592.99                                  | 518598 | Mid  | NR Band n41       | 100                         | 22.0                  | 21.61          | I                | 0.02     | 0          | N/A           | 0897M    | DFT-S-OFDM           | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.067             |
| 2592.99                                  | 518598 | Mid  | NR Band n41       | 100                         | 22.0                  | 21.05          | I                | 0.02     | 0          | N/A           | 0897M    | CP-OFDM              | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.070             |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                |                  |          |            |               |          | Body                 |         |           |         |       |            |          |                   |
| Spatial Peak                             |        |      |                   |                             |                       |                |                  |          |            |               |          | 1.6 W/kg (mW/g)      |         |           |         |       |            |          |                   |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  |          |            |               |          | averaged over 1 gram |         |           |         |       |            |          |                   |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 209 of 337                 |

**Table 11-99**  
**NR Band n77 DoD Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                |                  |          |               |                                                 |            |         |           |         |       |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|---------------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Serial Number | Waveform                                        | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                |                  |          |               |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 19.5                  | 18.77          | Ant F            | 0.01     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.014          | 1.183             | 0.017  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 19.5                  | 18.67          | Ant F            | 0.01     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 135       | 69      | 15 mm | back       | 1:1      | 0.015          | 1.211             | 0.018  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 19.5                  | 18.66          | Ant F            | 0.01     | 0             | 0831M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.014          | 1.213             | 0.017  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.58          | Ant I            | 0.01     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.011          | 1.236             | 0.014  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.58          | Ant I            | 0.20     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 135       | 69      | 15 mm | back       | 1:1      | 0.011          | 1.236             | 0.014  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.39          | Ant I            | 0.02     | 0             | 0831M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.017          | 1.291             | 0.022  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.02          | Ant E            | 0.01     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.042          | 1.406             | 0.059  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 16.04          | Ant E            | 0.02     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 135       | 69      | 15 mm | back       | 1:1      | 0.042          | 1.400             | 0.059  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 17.5                  | 15.96          | Ant E            | 0.01     | 0             | 0831M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.042          | 1.426             | 0.060  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 13.5                  | 13.03          | Ant C            | 0.02     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.065          | 1.114             | 0.072  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 13.5                  | 12.87          | Ant C            | 0.01     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.055          | 1.156             | 0.064  |  |
| 3500.01                                                                                           | 633334 | Mid  | NR Band n77     | 100                         | 13.5                  | 12.96          | Ant C            | 0.02     | 0             | 0831M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.041          | 1.132             | 0.046  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                |                  |          |               | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |  |

**Table 11-100**  
**NR Band n77 Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                |                  |          |               |                                                 |            |         |           |         |       |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|---------------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Serial Number | Waveform                                        | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                |                  |          |               |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.28          | Ant F            | 0.00     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.030          | 1.052             | 0.032  |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.19          | Ant F            | 0.00     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.027          | 1.074             | 0.029  |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 19.5                  | 19.17          | Ant F            | 0.00     | 0             | 0831M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.023          | 1.079             | 0.025  |  |
| 3750.00                                                                                           | 650000 | Low  | NR Band n77     | 100                         | 17.5                  | 16.76          | Ant I            | 0.01     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.005          | 1.186             | 0.006  |  |
| 3750.00                                                                                           | 650000 | Low  | NR Band n77     | 100                         | 17.5                  | 16.77          | Ant I            | 0.01     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.003          | 1.183             | 0.004  |  |
| 3750.00                                                                                           | 650000 | Low  | NR Band n77     | 100                         | 17.5                  | 16.74          | Ant I            | 0.01     | 0             | 0641M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.005          | 1.191             | 0.006  |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 17.5                  | 17.04          | Ant E            | 0.01     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.018          | 1.112             | 0.020  |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 17.5                  | 16.93          | Ant E            | 0.01     | 0             | 0641M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.024          | 1.140             | 0.027  |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 17.5                  | 16.89          | Ant E            | 0.01     | 0             | 0641M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.023          | 1.151             | 0.026  |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 13.5                  | 13.01          | Ant C            | 0.02     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 1         | 137     | 15 mm | back       | 1:1      | 0.040          | 1.119             | 0.045  |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 13.5                  | 13.00          | Ant C            | 0.01     | 0             | 0831M                                           | DFT-S-OFDM | QPSK    | 135       | 0       | 15 mm | back       | 1:1      | 0.065          | 1.122             | 0.073  |  |
| 3930.00                                                                                           | 662000 | High | NR Band n77     | 100                         | 13.5                  | 12.86          | Ant C            | 0.02     | 0             | 0831M                                           | CP-OFDM    | QPSK    | 1         | 1       | 15 mm | back       | 1:1      | 0.056          | 1.159             | 0.065  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                |                  |          |               | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |  |

**Table 11-101**  
**DTS Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 15 mm                                           | 2               | Q               | 1598S                | 1                | back | 99.9           | 0.024                 | 0.019    | 1.012                  | 1.001                       | 0.019             |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.00             | 15 mm                                           | 2               | N               | 0115S                | 1                | back | 99.9           | 0.020                 | 0.016    | 1.035                  | 1.001                       | 0.017             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 210 of 337                 |

**Table 11-102**  
**DTS MIMO Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|-----------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.01             | 15 mm                | MIMO            | Q               | 1598S                | 1                | back | 99.9           | 0.084                 | 0.069    | 1.012                  | 1.001                       | 0.070             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.00             | 15 mm                | MIMO            | N               | 0115S                | 1                | back | 99.9           | 0.085                 | 0.067    | 1.081                  | 1.001                       | 0.072             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  | Body                 |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

Note: To achieve the 22.0 dBm maximum allowed MIMO power shown in the documentation each antenna transmits at a maximum allowed power of 19.0 dBm.

**Table 11-103**  
**NII SISO Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |                  |                      |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|----------------------|-----------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                             |                       |                  |                      |                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 5300                                     | 60  | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.00             | 15 mm                | 1               | Q               | 1600S                | 6                | back | 98.9           | 0.008                 | 0.000    | 1.047                  | 1.011                       | 0.000             |        |
| 5320                                     | 64  | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.01             | 15 mm                | 1               | N               | 0677M                | 6                | back | 98.9           | 0.001                 | 0.000    | 1.002                  | 1.011                       | 0.000             |        |
| 5600                                     | 120 | 802.11a | OFDM    | 20              | 18.0                        | 17.80                 | 0.01             | 15 mm                | 1               | Q               | 1600S                | 6                | back | 98.9           | 0.003                 | 0.000    | 1.047                  | 1.011                       | 0.000             |        |
| 5720                                     | 144 | 802.11a | OFDM    | 20              | 18.0                        | 17.99                 | 0.00             | 15 mm                | 1               | N               | 0677M                | 6                | back | 98.9           | 0.006                 | 0.000    | 1.002                  | 1.011                       | 0.000             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.01             | 15 mm                | 1               | Q               | 1600S                | 6                | back | 98.9           | 0.021                 | 0.001    | 1.038                  | 1.011                       | 0.001             |        |
| 5825                                     | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.00             | 15 mm                | 1               | N               | 0677M                | 6                | back | 98.9           | 0.042                 | 0.000    | 1.009                  | 1.011                       | 0.000             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                             |                       |                  | Body                 |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                             |                       |                  | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | averaged over 1 gram |                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

**Table 11-104**  
**NII MIMO Body-Worn SAR - Closed**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |         |                      |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|---------|----------------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing | Antenna Config.      | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |         |                      |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.65                         | 18.0                                | 17.81                         | 0.00             | 15 mm   | MIMO                 | Q               | 1600S                | 13               | back | 99.7           | 0.021                 | 0.000    | 1.084                  | 1.003                       | 0.000             |        |
| 5300                                     | 60  | 802.11n | OFDM    | 20              | 18.0                                | 17.96                         | 18.0                                | 17.83                         | 0.02             | 15 mm   | MIMO                 | N               | 0677M                | 13               | back | 99.8           | 0.020                 | 0.010    | 1.040                  | 1.002                       | 0.010             |        |
| 5720                                     | 144 | 802.11n | OFDM    | 20              | 18.0                                | 17.59                         | 18.0                                | 17.79                         | 0.01             | 15 mm   | MIMO                 | Q               | 1600S                | 13               | back | 99.7           | 0.015                 | 0.003    | 1.099                  | 1.003                       | 0.003             |        |
| 5620                                     | 124 | 802.11n | OFDM    | 20              | 18.0                                | 17.99                         | 18.0                                | 17.91                         | 0.01             | 15 mm   | MIMO                 | N               | 0677M                | 13               | back | 99.8           | 0.026                 | 0.007    | 1.021                  | 1.002                       | 0.007             |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.00             | 15 mm   | MIMO                 | Q               | 1600S                | 13               | back | 99.7           | 0.017                 | 0.012    | 1.079                  | 1.003                       | 0.013             |        |
| 5745                                     | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.02             | 15 mm   | MIMO                 | N               | 0677M                | 13               | back | 99.8           | 0.016                 | 0.007    | 1.064                  | 1.002                       | 0.007             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  |         | Body                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  |         | 1.6 W/kg (mW/g)      |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  |         | averaged over 1 gram |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

Note: To achieve the 21.0 dBm maximum allowed MIMO power shown in the documentation each antenna transmits at a maximum allowed power of 18.0 dBm.

**Table 11-105**  
**DSS Body-Worn SAR – Closed**

| MEASUREMENT RESULTS                      |     |           |         |                             |                       |                  |                      |                 |                 |                      |                  |      |                |          |                             |                             |                   |        |
|------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|----------------------|-----------------|-----------------|----------------------|------------------|------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |           |         |                             |                       |                  |                      |                 |                 |                      |                  |      |                | (W/kg)   |                             |                             | (W/kg)            |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                        | 15.43                 | 0.00             | 15 mm                | 1               | Q               | 2044M                | 1                | back | 76.80          | 0.012    | 1.140                       | 1.302                       | 0.018             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 17.0                        | 16.61                 | 0.00             | 15 mm                | 2               | Q               | 2044M                | 1                | back | 76.80          | 0.009    | 1.094                       | 1.302                       | 0.013             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 16.0                        | 15.55                 | 0.09             | 15 mm                | 1               | N               | 0694M                | 1                | back | 76.80          | 0.009    | 1.109                       | 1.302                       | 0.013             |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 17.0                        | 16.60                 | 0.00             | 15 mm                | 2               | N               | 0694M                | 1                | back | 76.80          | 0.009    | 1.096                       | 1.302                       | 0.013             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |           |         |                             |                       |                  | Body                 |                 |                 |                      |                  |      |                |          |                             |                             |                   |        |
| Spatial Peak                             |     |           |         |                             |                       |                  | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |      |                |          |                             |                             |                   |        |
| Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  | averaged over 1 gram |                 |                 |                      |                  |      |                |          |                             |                             |                   |        |

|                                             |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 211 of 337                 |



## 11.6 Standalone Closed Hotspot SAR Data

Table 11-106  
GPRS/UMTS/CDMA Hotspot SAR Data - Closed

| MEASUREMENT RESULTS                                                                               |      |            |             |                             |                       |            |                  |                                                 |                      |                 |            |        |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|------|------------|-------------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|----------------------|-----------------|------------|--------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode       | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | Spacing                                         | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |            |             |                             |                       |            |                  |                                                 |                      |                 |            |        | (W/kg)   |                | (W/kg)            |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 0          | 0.00             | 5mm                                             | 0747M                | N/A             | 1:1        | back   | 0.665    | 1.256          | 0.835             |        |
| 836.52                                                                                            | 384  | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 22.96                 | 0          | 0.03             | 5mm                                             | 0747M                | N/A             | 1:1        | back   | 0.847    | 1.271          | 1.077             | A33    |
| 848.31                                                                                            | 777  | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 22.95                 | 0          | 0.06             | 5mm                                             | 0747M                | N/A             | 1:1        | back   | 0.719    | 1.274          | 0.916             |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 0          | 0.05             | 5mm                                             | 0747M                | N/A             | 1:1        | front  | 0.141    | 1.256          | 0.177             |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 109        | 0.00             | 5mm                                             | 0747M                | N/A             | 1:1        | bottom | 0.202    | 1.256          | 0.254             |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 3          | 0.04             | 5mm                                             | 0747M                | N/A             | 1:1        | right  | 0.084    | 1.256          | 0.106             |        |
| 824.70                                                                                            | 1013 | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 23.01                 | 0          | 0.00             | 5mm                                             | 0747M                | N/A             | 1:1        | left   | 0.121    | 1.256          | 0.152             |        |
| 836.52                                                                                            | 384  | Cell. CDMA | EVDO Rev. 0 | 24.0                        | 22.96                 | 0          | 0.10             | 5mm                                             | 0747M                | N/A             | 1:1        | back   | 0.800    | 1.271          | 1.017             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 23         | -0.02            | 5 mm                                            | 0765M                | N/A             | 1:1        | back   | 0.470    | 1.178          | 0.554             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 2          | 0.04             | 5 mm                                            | 0765M                | N/A             | 1:1        | front  | 0.134    | 1.178          | 0.158             |        |
| 1851.25                                                                                           | 25   | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.28                 | 20         | -0.09            | 5 mm                                            | 0765M                | N/A             | 1:1        | bottom | 0.878    | 1.180          | 1.036             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 2          | -0.11            | 5 mm                                            | 0765M                | N/A             | 1:1        | bottom | 0.880    | 1.178          | 1.037             | A35    |
| 1908.75                                                                                           | 1175 | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.15                 | 8          | -0.01            | 5 mm                                            | 0765M                | N/A             | 1:1        | bottom | 0.769    | 1.216          | 0.935             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 9          | 0.01             | 5 mm                                            | 0765M                | N/A             | 1:1        | right  | 0.029    | 1.178          | 0.034             |        |
| 1880.00                                                                                           | 600  | PCS CDMA   | EVDO Rev. 0 | 19.0                        | 18.29                 | 0          | 0.00             | 5 mm                                            | 0765M                | N/A             | 1:1        | left   | 0.080    | 1.178          | 0.094             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | -0.02            | 5 mm                                            | 0747M                | 4               | 1:2.076    | back   | 0.365    | 1.500          | 0.548             | A37    |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | 0.07             | 5 mm                                            | 0747M                | 4               | 1:2.076    | front  | 0.094    | 1.500          | 0.141             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | -0.17            | 5 mm                                            | 0747M                | 4               | 1:2.076    | bottom | 0.095    | 1.500          | 0.143             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | -0.16            | 5 mm                                            | 0747M                | 4               | 1:2.076    | right  | 0.072    | 1.500          | 0.108             |        |
| 836.60                                                                                            | 190  | GSM 850    | GPRS        | 26.0                        | 24.24                 | N/A        | 0.07             | 5 mm                                            | 0747M                | 4               | 1:2.076    | left   | 0.082    | 1.500          | 0.123             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.01             | 5 mm                                            | 0765M                | 4               | 1:2.076    | back   | 0.619    | 1.164          | 0.721             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.01             | 5 mm                                            | 0765M                | 4               | 1:2.076    | front  | 0.121    | 1.164          | 0.141             |        |
| 1850.20                                                                                           | 512  | GSM 1900   | GPRS        | 23.0                        | 22.31                 | N/A        | 0.00             | 5 mm                                            | 0765M                | 4               | 1:2.076    | bottom | 0.875    | 1.172          | 1.026             |        |
| 1880.00                                                                                           | 661  | GSM 1900   | GPRS        | 23.0                        | 22.00                 | N/A        | 0.13             | 5 mm                                            | 0765M                | 4               | 1:2.076    | bottom | 0.899    | 1.259          | 1.132             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.04             | 5 mm                                            | 0765M                | 4               | 1:2.076    | bottom | 0.908    | 1.164          | 1.057             | A39    |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.12             | 5 mm                                            | 0765M                | 4               | 1:2.076    | right  | 0.032    | 1.164          | 0.037             |        |
| 1909.80                                                                                           | 810  | GSM 1900   | GPRS        | 23.0                        | 22.34                 | N/A        | 0.13             | 5 mm                                            | 0765M                | 4               | 1:2.076    | left   | 0.072    | 1.164          | 0.084             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | -0.13            | 5 mm                                            | 0747M                | N/A             | 1:1        | back   | 0.808    | 1.259          | 1.017             |        |
| 836.60                                                                                            | 4183 | UMTS 850   | RMC         | 24.0                        | 22.99                 | 0          | 0.09             | 5 mm                                            | 0747M                | N/A             | 1:1        | back   | 0.812    | 1.262          | 1.025             | A41    |
| 846.60                                                                                            | 4233 | UMTS 850   | RMC         | 24.0                        | 22.92                 | 0          | -0.07            | 5 mm                                            | 0747M                | N/A             | 1:1        | back   | 0.756    | 1.282          | 0.969             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | 0.01             | 5 mm                                            | 0747M                | N/A             | 1:1        | front  | 0.199    | 1.259          | 0.251             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 109        | 0.00             | 5 mm                                            | 0747M                | N/A             | 1:1        | bottom | 0.165    | 1.259          | 0.208             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | 0.07             | 5 mm                                            | 0747M                | N/A             | 1:1        | right  | 0.102    | 1.259          | 0.128             |        |
| 826.40                                                                                            | 4132 | UMTS 850   | RMC         | 24.0                        | 23.00                 | 0          | 0.06             | 5 mm                                            | 0747M                | N/A             | 1:1        | left   | 0.135    | 1.259          | 0.170             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 2          | 0.03             | 5 mm                                            | 0760M                | N/A             | 1:1        | back   | 0.631    | 1.135          | 0.716             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 0          | -0.08            | 5 mm                                            | 0760M                | N/A             | 1:1        | front  | 0.191    | 1.135          | 0.217             |        |
| 1712.40                                                                                           | 1312 | UMTS 1750  | RMC         | 19.0                        | 18.40                 | 1          | -0.01            | 5 mm                                            | 0760M                | N/A             | 1:1        | bottom | 1.010    | 1.148          | 1.159             | A43    |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 116        | -0.05            | 5 mm                                            | 0760M                | N/A             | 1:1        | bottom | 0.906    | 1.135          | 1.028             |        |
| 1752.60                                                                                           | 1513 | UMTS 1750  | RMC         | 19.0                        | 18.38                 | 0          | -0.07            | 5 mm                                            | 0760M                | N/A             | 1:1        | bottom | 0.894    | 1.153          | 1.031             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 18         | 0.00             | 5 mm                                            | 0760M                | N/A             | 1:1        | right  | 0.041    | 1.135          | 0.047             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750  | RMC         | 19.0                        | 18.45                 | 0          | 0.10             | 5 mm                                            | 0760M                | N/A             | 1:1        | left   | 0.129    | 1.135          | 0.146             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 20         | 0.16             | 5 mm                                            | 0760M                | N/A             | 1:1        | back   | 0.521    | 1.256          | 0.654             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 20         | 0.04             | 5 mm                                            | 0760M                | N/A             | 1:1        | front  | 0.100    | 1.256          | 0.126             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 73         | -0.02            | 5 mm                                            | 0760M                | N/A             | 1:1        | bottom | 0.651    | 1.256          | 0.818             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900  | RMC         | 19.0                        | 17.95                 | 19         | 0.03             | 5 mm                                            | 0760M                | N/A             | 1:1        | bottom | 0.749    | 1.274          | 0.954             |        |
| 1907.60                                                                                           | 9538 | UMTS 1900  | RMC         | 19.0                        | 18.00                 | 19         | 0.07             | 5 mm                                            | 0760M                | N/A             | 1:1        | bottom | 0.798    | 1.259          | 1.005             | A45    |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 14         | 0.03             | 5 mm                                            | 0760M                | N/A             | 1:1        | right  | 0.039    | 1.256          | 0.049             |        |
| 1852.40                                                                                           | 9262 | UMTS 1900  | RMC         | 19.0                        | 18.01                 | 20         | 0.03             | 5 mm                                            | 0760M                | N/A             | 1:1        | left   | 0.077    | 1.256          | 0.097             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |            |             |                             |                       |            |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |                 |            |        |          |                |                   |        |

Note: Blue Entry represents variability measurement.

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 212 of 337                 |



**Table 11-107**  
**LTE Band 71 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |            |                  |          |                                                 |            |         |           |         |      |            | (W/kg)   |                | (W/kg)            |        |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | -0.02    | 0                                               | 0847M      | QPSK    | 1         | 50      | 5 mm | back       | 1:1      | 0.482          | 1.340             | 0.646  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | 0.00     | 0                                               | 0847M      | QPSK    | 50        | 25      | 5 mm | back       | 1:1      | 0.494          | 1.324             | 0.654  | A47 |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | 0.04     | 0                                               | 0847M      | QPSK    | 1         | 50      | 5 mm | front      | 1:1      | 0.151          | 1.340             | 0.202  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | 0.02     | 0                                               | 0847M      | QPSK    | 50        | 25      | 5 mm | front      | 1:1      | 0.155          | 1.324             | 0.205  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | -0.02    | 0                                               | 0847M      | QPSK    | 1         | 50      | 5 mm | bottom     | 1:1      | 0.110          | 1.340             | 0.147  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | -0.16    | 0                                               | 0847M      | QPSK    | 50        | 25      | 5 mm | bottom     | 1:1      | 0.111          | 1.324             | 0.147  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | 0.16     | 0                                               | 0847M      | QPSK    | 1         | 50      | 5 mm | right      | 1:1      | 0.058          | 1.340             | 0.078  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | 0.09     | 0                                               | 0847M      | QPSK    | 50        | 25      | 5 mm | right      | 1:1      | 0.059          | 1.324             | 0.078  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.73      | 0                | 0.11     | 0                                               | 0847M      | QPSK    | 1         | 50      | 5 mm | left       | 1:1      | 0.150          | 1.340             | 0.201  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.0                  | 22.78      | 0                | 0.13     | 0                                               | 0847M      | QPSK    | 50        | 25      | 5 mm | left       | 1:1      | 0.154          | 1.324             | 0.204  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |      |            |          |                |                   |        |     |

**Table 11-108**  
**LTE Band 12 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |       |     |             |                 |                             |                       |            |                  |                                                 |                      |            |         |           |         |        |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|-----|-------------|-----------------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|--------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.   |     |             |                 |                             |                       |            |                  |                                                 |                      |            |         |           |         |        |            | (W/kg)   |                | (W/kg)            |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.78                 | 0          | 0.01             | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | back   | 1:1        | 0.555    | 1.324          | 0.735             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.85                 | 0          | 0.00             | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | back   | 1:1        | 0.568    | 1.303          | 0.740             | A49    |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.78                 | 0          | 0.02             | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | front  | 1:1        | 0.145    | 1.324          | 0.192             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.85                 | 0          | -0.04            | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | front  | 1:1        | 0.150    | 1.303          | 0.195             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.78                 | 0          | -0.02            | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | bottom | 1:1        | 0.110    | 1.324          | 0.146             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.85                 | 0          | -0.02            | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | bottom | 1:1        | 0.114    | 1.303          | 0.149             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.78                 | 0          | 0.10             | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | right  | 1:1        | 0.098    | 1.324          | 0.130             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.85                 | 0          | 0.08             | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | right  | 1:1        | 0.096    | 1.303          | 0.125             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.78                 | 0          | 0.10             | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | left   | 1:1        | 0.186    | 1.324          | 0.246             |        |
| 707.50                                                                                            | 23095 | Mid | LTE Band 12 | 10              | 24.0                        | 22.85                 | 0          | 0.10             | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | left   | 1:1        | 0.191    | 1.303          | 0.249             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |     |             |                 |                             |                       |            |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |        |            |          |                |                   |        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 11-109**  
**LTE Band 13 Hotspot SAR – Closed**

| MEASUREMENT RESULTS                                                                               |       |        |             |                 |                             |                       |            |                  |                                                 |                      |            |         |           |         |        |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|--------|-------------|-----------------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|--------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |        | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.   | (W/kg) |             |                 |                             |                       |            |                  |                                                 |                      |            |         |           |         |        |            | (W/kg)   |                |                   |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | -0.14            | 0                                               | 0847M                | QPSK       | 1       | 49        | 5 mm    | back   | 1:1        | 0.561    | 1.306          | 0.733             | A51    |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | -0.10            | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | back   | 1:1        | 0.552    | 1.291          | 0.713             |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | -0.05            | 0                                               | 0847M                | QPSK       | 1       | 49        | 5 mm    | front  | 1:1        | 0.075    | 1.306          | 0.098             |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | -0.09            | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | front  | 1:1        | 0.079    | 1.291          | 0.102             |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | 0.11             | 0                                               | 0847M                | QPSK       | 1       | 49        | 5 mm    | bottom | 1:1        | 0.163    | 1.306          | 0.213             |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | 0.11             | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | bottom | 1:1        | 0.166    | 1.291          | 0.214             |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | 0.04             | 0                                               | 0847M                | QPSK       | 1       | 49        | 5 mm    | right  | 1:1        | 0.090    | 1.306          | 0.118             |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | 0.15             | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | right  | 1:1        | 0.102    | 1.291          | 0.132             |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.84                 | 0          | 0.06             | 0                                               | 0847M                | QPSK       | 1       | 49        | 5 mm    | left   | 1:1        | 0.115    | 1.306          | 0.150             |        |
| 782.00                                                                                            | 23230 | Mid    | LTE Band 13 | 10              | 24.0                        | 22.89                 | 0          | 0.11             | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | left   | 1:1        | 0.106    | 1.291          | 0.137             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |        |             |                 |                             |                       |            |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |        |            |          |                |                   |        |

**Table 11-110**  
**LTE Band 14 Hotspot SAR – Closed**

| MEASUREMENT RESULTS                                                                               |       |        |             |                 |                             |                       |            |                  |                                                 |                      |            |         |           |         |        |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|--------|-------------|-----------------|-----------------------------|-----------------------|------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|--------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |        | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.   | (W/kg) |             |                 |                             |                       |            |                  |                                                 |                      |            |         |           |         |        |            | (W/kg)   |                |                   |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | -0.18            | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | back   | 1:1        | 0.646    | 1.306          | 0.844             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | -0.02            | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | back   | 1:1        | 0.663    | 1.291          | 0.856             | A53    |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.80                 | 0          | -0.17            | 0                                               | 0847M                | QPSK       | 50      | 0         | 5 mm    | back   | 1:1        | 0.645    | 1.318          | 0.850             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | -0.01            | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | front  | 1:1        | 0.081    | 1.306          | 0.106             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | -0.01            | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | front  | 1:1        | 0.081    | 1.291          | 0.105             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | -0.09            | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | bottom | 1:1        | 0.217    | 1.306          | 0.283             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | -0.03            | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | bottom | 1:1        | 0.218    | 1.291          | 0.281             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | 0.16             | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | right  | 1:1        | 0.094    | 1.306          | 0.123             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | 0.01             | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | right  | 1:1        | 0.091    | 1.291          | 0.117             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.84                 | 0          | 0.16             | 0                                               | 0847M                | QPSK       | 1       | 25        | 5 mm    | left   | 1:1        | 0.133    | 1.306          | 0.174             |        |
| 793.00                                                                                            | 23330 | Mid    | LTE Band 14 | 10              | 24.0                        | 22.89                 | 0          | 0.12             | 0                                               | 0847M                | QPSK       | 25      | 12        | 5 mm    | left   | 1:1        | 0.134    | 1.291          | 0.173             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |        |             |                 |                             |                       |            |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |        |            |          |                |                   |        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 11-111**  
**LTE Band 26 (Cell) Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |       |      |                    |                             |                       |            |                  |          |                                                 |            |         |           |         |      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------|-----------------------|------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz]    | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Tune State | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                    |                             |                       |            |                  |          |                                                 |            |         |           |         |      |            | (W/kg)   |                | (W/kg)            |        |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 0                | -0.14    | 0                                               | 0829M      | QPSK    | 1         | 74      | 5 mm | back       | 1:1      | 0.595          | 1.242             | 0.739  | A55 |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 0                | -0.12    | 0                                               | 0829M      | QPSK    | 36        | 37      | 5 mm | back       | 1:1      | 0.574          | 1.247             | 0.716  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 0                | -0.02    | 0                                               | 0829M      | QPSK    | 1         | 74      | 5 mm | front      | 1:1      | 0.109          | 1.242             | 0.135  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 0                | 0.19     | 0                                               | 0829M      | QPSK    | 36        | 37      | 5 mm | front      | 1:1      | 0.100          | 1.247             | 0.125  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 109              | 0.02     | 0                                               | 0829M      | QPSK    | 1         | 74      | 5 mm | bottom     | 1:1      | 0.142          | 1.242             | 0.176  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 109              | 0.02     | 0                                               | 0829M      | QPSK    | 36        | 37      | 5 mm | bottom     | 1:1      | 0.137          | 1.247             | 0.171  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 3                | 0.17     | 0                                               | 0829M      | QPSK    | 1         | 74      | 5 mm | right      | 1:1      | 0.086          | 1.242             | 0.107  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 3                | -0.08    | 0                                               | 0829M      | QPSK    | 36        | 37      | 5 mm | right      | 1:1      | 0.084          | 1.247             | 0.105  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.06      | 0                | 0.16     | 0                                               | 0829M      | QPSK    | 1         | 74      | 5 mm | left       | 1:1      | 0.158          | 1.242             | 0.196  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.0                  | 23.04      | 0                | 0.19     | 0                                               | 0829M      | QPSK    | 36        | 37      | 5 mm | left       | 1:1      | 0.148          | 1.247             | 0.185  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                    |                             |                       |            |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |      |            |          |                |                   |        |     |

**Table 11-112**  
**LTE Band 5 (Cell) Hotspot SAR - Closed**

| MEASUREMENT RESULTS                      |                      |           |       |     |                   |                    |                                   |                          |               |                     |          |                            |            |         |           |         |        |            |          |                   |                      |        |
|------------------------------------------|----------------------|-----------|-------|-----|-------------------|--------------------|-----------------------------------|--------------------------|---------------|---------------------|----------|----------------------------|------------|---------|-----------|---------|--------|------------|----------|-------------------|----------------------|--------|
| 1 CC Uplink  <br>2 CC Uplink             | Component<br>Carrier | FREQUENCY |       |     | Mode              | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Tune<br>State | Power<br>Drift [dB] | MPR [dB] | Device<br>Serial<br>Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |
|                                          |                      | MHz       | Ch.   |     |                   |                    |                                   |                          |               |                     |          |                            |            |         |           |         |        |            | (W/kg)   |                   | (W/kg)               |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 22.82                    | 0             | -0.01               | 0        | 0122M                      | QPSK       | 1       | 49        | 5 mm    | back   | 1:1        | 0.677    | 1.312             | 0.888                |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 23.00                    | 0             | 0.02                | 0        | 0122M                      | QPSK       | 25      | 25        | 5 mm    | back   | 1:1        | 0.697    | 1.259             | 0.878                | A57    |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 22.80                    | 0             | 0.03                | 0        | 0122M                      | QPSK       | 50      | 0         | 5 mm    | back   | 1:1        | 0.606    | 1.318             | 0.799                |        |
| 2 CC Uplink                              | PCC                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 22.75                    | 0             | -0.03               | 0        | 0122M                      | QPSK       | 1       | 49        | 5 mm    | back   | 1:1        | 0.658    | 1.334             | 0.878                |        |
|                                          | SCC                  | 843.70    | 20597 |     |                   | 5                  |                                   |                          |               |                     |          |                            |            |         | 0         |         |        |            |          |                   |                      |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 22.82                    | 0             | 0.15                | 0        | 0122M                      | QPSK       | 1       | 49        | 5 mm    | front  | 1:1        | 0.114    | 1.312             | 0.150                |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 23.00                    | 0             | 0.10                | 0        | 0122M                      | QPSK       | 25      | 25        | 5 mm    | front  | 1:1        | 0.114    | 1.259             | 0.144                |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 22.82                    | 0             | -0.02               | 0        | 0122M                      | QPSK       | 1       | 49        | 5 mm    | bottom | 1:1        | 0.173    | 1.312             | 0.227                |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 23.00                    | 0             | -0.14               | 0        | 0122M                      | QPSK       | 25      | 25        | 5 mm    | bottom | 1:1        | 0.160    | 1.259             | 0.201                |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 22.82                    | 0             | -0.05               | 0        | 0122M                      | QPSK       | 1       | 49        | 5 mm    | right  | 1:1        | 0.085    | 1.312             | 0.112                |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 23.00                    | 0             | 0.04                | 0        | 0122M                      | QPSK       | 25      | 25        | 5 mm    | right  | 1:1        | 0.093    | 1.259             | 0.117                |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 22.82                    | 0             | 0.01                | 0        | 0122M                      | QPSK       | 1       | 49        | 5 mm    | left   | 1:1        | 0.091    | 1.312             | 0.119                |        |
| 1 CC Uplink                              | N/A                  | 836.50    | 20525 | Mid | LTE Band 5 (Cell) | 10                 | 24.0                              | 23.00                    | 0             | 0.05                | 0        | 0122M                      | QPSK       | 25      | 25        | 5 mm    | left   | 1:1        | 0.092    | 1.259             | 0.116                |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |                      |           |       |     |                   |                    |                                   |                          |               |                     |          | Body                       |            |         |           |         |        |            |          |                   |                      |        |
| Spatial Peak                             |                      |           |       |     |                   |                    |                                   |                          |               |                     |          | 1.6 W/kg (mW/g)            |            |         |           |         |        |            |          |                   |                      |        |
| Uncontrolled Exposure/General Population |                      |           |       |     |                   |                    |                                   |                          |               |                     |          | averaged over 1 gram       |            |         |           |         |        |            |          |                   |                      |        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 11-113**  
**LTE Band 66 (AWS) Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |                      |           |        |        |                   |                    |                                   |                          |               |                     |          |                                                 |            |         |           |         |        |            |          |                   |                      |        |
|---------------------------------------------------------------------------------------------------|----------------------|-----------|--------|--------|-------------------|--------------------|-----------------------------------|--------------------------|---------------|---------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|--------|------------|----------|-------------------|----------------------|--------|
| 1 CC Uplink  <br>2 CC Uplink                                                                      | Component<br>Carrier | FREQUENCY |        |        | Mode              | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Tune<br>State | Power<br>Drift [dB] | MPR [dB] | Device<br>Serial<br>Number                      | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |
|                                                                                                   |                      | MHz       | Ch.    | (W/kg) |                   |                    |                                   |                          |               |                     |          |                                                 |            |         |           |         |        |            | (W/kg)   |                   |                      |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.43                    | 0             | 0.03                | 0        | 1916M                                           | QPSK       | 1       | 99        | 5 mm    | back   | 1:1        | 0.593    | 1.140             | 0.676                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.57                    | 0             | 0.02                | 0        | 1916M                                           | QPSK       | 50      | 25        | 5 mm    | back   | 1:1        | 0.659    | 1.104             | 0.728                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.43                    | 59            | 0.09                | 0        | 1916M                                           | QPSK       | 1       | 99        | 5 mm    | front  | 1:1        | 0.198    | 1.140             | 0.226                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.57                    | 116           | -0.15               | 0        | 1916M                                           | QPSK       | 50      | 25        | 5 mm    | front  | 1:1        | 0.206    | 1.104             | 0.227                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.43                    | 62            | -0.04               | 0        | 1916M                                           | QPSK       | 1       | 99        | 5 mm    | bottom | 1:1        | 0.637    | 1.140             | 0.726                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1720.00   | 132072 | Low    | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.39                    | 9             | -0.05               | 0        | 1916M                                           | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1        | 0.863    | 1.151             | 0.993                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1745.00   | 132322 | Md     | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.45                    | 0             | -0.16               | 0        | 1916M                                           | QPSK       | 50      | 50        | 5 mm    | bottom | 1:1        | 0.976    | 1.135             | 1.108                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.57                    | 62            | -0.04               | 0        | 1916M                                           | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1        | 0.668    | 1.104             | 0.737                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.40                    | 59            | -0.18               | 0        | 1916M                                           | QPSK       | 100     | 0         | 5 mm    | bottom | 1:1        | 0.787    | 1.148             | 0.903                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1745.00   | 132322 | Md     | LTE Band 66 (AWS) | 10                 | 19.0                              | 18.35                    | 0             | 0.01                | 0        | 1916M                                           | QPSK       | 25      | 25        | 5 mm    | bottom | 1:1        | 1.000    | 1.161             | 1.161                | A59    |
| 2 CC Uplink<br>CA_66C                                                                             | PCC                  | 1745.00   | 132322 | Md     | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.25                    | 8             | 0.06                | 0        | 1916M                                           | QPSK       | 50      | 50        | 5 mm    | bottom | 1:1        | 0.888    | 1.189             | 1.066                |        |
|                                                                                                   | SCC                  | 1764.80   | 132520 |        |                   |                    |                                   |                          |               |                     |          |                                                 |            |         | 0         |         |        |            |          |                   |                      |        |
| 2 CC Uplink<br>CA_66B                                                                             | PCC                  | 1745.00   | 132322 | Md     | LTE Band 66 (AWS) | 10                 | 19.0                              | 18.30                    | 0             | -0.04               | 0        | 1916M                                           | QPSK       | 25      | 25        | 5 mm    | bottom | 1:1        | 0.979    | 1.175             | 1.150                |        |
|                                                                                                   | SCC                  | 1754.90   | 132421 |        |                   |                    |                                   |                          |               |                     |          |                                                 |            |         | 0         |         |        |            |          |                   |                      |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.43                    | 59            | 0.01                | 0        | 1916M                                           | QPSK       | 1       | 99        | 5 mm    | right  | 1:1        | 0.024    | 1.140             | 0.027                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.57                    | 59            | 0.01                | 0        | 1916M                                           | QPSK       | 50      | 25        | 5 mm    | right  | 1:1        | 0.030    | 1.104             | 0.033                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.43                    | 59            | 0.04                | 0        | 1916M                                           | QPSK       | 1       | 99        | 5 mm    | left   | 1:1        | 0.169    | 1.140             | 0.193                |        |
| 1 CC Uplink                                                                                       | N/A                  | 1770.00   | 132572 | High   | LTE Band 66 (AWS) | 20                 | 19.0                              | 18.57                    | 59            | 0.03                | 0        | 1916M                                           | QPSK       | 50      | 25        | 5 mm    | left   | 1:1        | 0.169    | 1.104             | 0.187                |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |           |        |        |                   |                    |                                   |                          |               |                     |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |        |            |          |                   |                      |        |

**Table 11-114**  
**LTE Band 25 (PCS) Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |       |      |                    |                                   |                          |               |                     |          |                                                 |            |         |           |         |      |            |          |                   |                      |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------------|--------------------------|---------------|---------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|------|------------|----------|-------------------|----------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Tune<br>State | Power<br>Drift [dB] | MPR [dB] | Device<br>Serial<br>Number                      | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                    |                                   |                          |               |                     |          |                                                 |            |         |           |         |      |            | (W/kg)   |                   | (W/kg)               |        |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.45         | 2                   | 0.01     | 0                                               | 0748M      | QPSK    | 1         | 99      | 5 mm | back       | 1:1      | 0.562             | 1.135                | 0.638  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.48         | 2                   | -0.02    | 0                                               | 0748M      | QPSK    | 50        | 25      | 5 mm | back       | 1:1      | 0.589             | 1.127                | 0.664  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.45         | 8                   | 0.03     | 0                                               | 0748M      | QPSK    | 1         | 99      | 5 mm | front      | 1:1      | 0.192             | 1.135                | 0.218  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.48         | 8                   | -0.01    | 0                                               | 0748M      | QPSK    | 50        | 25      | 5 mm | front      | 1:1      | 0.177             | 1.127                | 0.199  |     |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.09         | 9                   | -0.06    | 0                                               | 0748M      | QPSK    | 1         | 99      | 5 mm | bottom     | 1:1      | 0.830             | 1.233                | 1.023  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.45         | 8                   | -0.01    | 0                                               | 0748M      | QPSK    | 1         | 99      | 5 mm | bottom     | 1:1      | 0.954             | 1.135                | 1.083  |     |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS)  | 20                                | 19.0                     | 17.77         | 9                   | -0.01    | 0                                               | 0748M      | QPSK    | 1         | 0       | 5 mm | bottom     | 1:1      | 0.874             | 1.327                | 1.160  |     |
| 1860.00                                                                                           | 26140 | Low  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.07         | 9                   | -0.04    | 0                                               | 0748M      | QPSK    | 50        | 50      | 5 mm | bottom     | 1:1      | 0.836             | 1.239                | 1.036  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.48         | 8                   | -0.01    | 0                                               | 0748M      | QPSK    | 50        | 25      | 5 mm | bottom     | 1:1      | 1.030             | 1.127                | 1.161  | A61 |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS)  | 20                                | 19.0                     | 17.95         | 9                   | -0.09    | 0                                               | 0748M      | QPSK    | 50        | 0       | 5 mm | bottom     | 1:1      | 0.906             | 1.274                | 1.154  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 18.0                     | 18.05         | 8                   | -0.02    | 0                                               | 0748M      | QPSK    | 100       | 0       | 5 mm | bottom     | 1:1      | 0.947             | 0.989                | 0.937  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.45         | 8                   | 0.02     | 0                                               | 0748M      | QPSK    | 1         | 99      | 5 mm | right      | 1:1      | 0.030             | 1.135                | 0.034  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.48         | 8                   | -0.06    | 0                                               | 0748M      | QPSK    | 50        | 25      | 5 mm | right      | 1:1      | 0.036             | 1.127                | 0.041  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.45         | 10                  | 0.12     | 0                                               | 0748M      | QPSK    | 1         | 99      | 5 mm | left       | 1:1      | 0.088             | 1.135                | 0.100  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.48         | 10                  | 0.21     | 0                                               | 0748M      | QPSK    | 50        | 25      | 5 mm | left       | 1:1      | 0.094             | 1.127                | 0.106  |     |
| 1882.50                                                                                           | 26365 | Mid  | LTE Band 25 (PCS)  | 20                                | 19.0                     | 18.48         | 8                   | 0.01     | 0                                               | 0748M      | QPSK    | 50        | 25      | 5 mm | bottom     | 1:1      | 0.988             | 1.127                | 1.113  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                    |                                   |                          |               |                     |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |      |            |          |                   |                      |        |     |

Note: Blue Entry represents variability measurement.

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 216 of 337                 |

**Table 11-115**  
**LTE Band 30 Hotspot SAR – Closed**

| MEASUREMENT RESULTS                                                                               |     |             |                 |                             |                       |                  |                                                 |                      |            |         |           |         |        |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|-------------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|--------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| Ch.                                                                                               |     |             |                 |                             |                       |                  |                                                 |                      |            |         |           |         |        |            | (W/kg)   |                | (W/kg)            |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | 0.01             | 0                                               | 0748M                | QPSK       | 1       | 0         | 5 mm    | back   | 1:1        | 0.564    | 1.135          | 0.640             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.01             | 0                                               | 0748M                | QPSK       | 25      | 12        | 5 mm    | back   | 1:1        | 0.565    | 1.122          | 0.634             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | 0.01             | 0                                               | 0748M                | QPSK       | 1       | 0         | 5 mm    | front  | 1:1        | 0.038    | 1.135          | 0.043             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.01             | 0                                               | 0748M                | QPSK       | 25      | 12        | 5 mm    | front  | 1:1        | 0.038    | 1.122          | 0.043             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | -0.04            | 0                                               | 0748M                | QPSK       | 1       | 0         | 5 mm    | bottom | 1:1        | 0.834    | 1.135          | 0.947             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | -0.03            | 0                                               | 0748M                | QPSK       | 25      | 12        | 5 mm    | bottom | 1:1        | 0.837    | 1.122          | 0.939             | A63    |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.82                 | 0.01             | 0                                               | 0748M                | QPSK       | 50      | 0         | 5 mm    | bottom | 1:1        | 0.825    | 1.169          | 0.964             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | 0.01             | 0                                               | 0748M                | QPSK       | 1       | 0         | 5 mm    | right  | 1:1        | 0.026    | 1.135          | 0.030             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.01             | 0                                               | 0748M                | QPSK       | 25      | 12        | 5 mm    | right  | 1:1        | 0.025    | 1.122          | 0.028             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 17.95                 | 0.01             | 0                                               | 0748M                | QPSK       | 1       | 0         | 5 mm    | left   | 1:1        | 0.048    | 1.135          | 0.054             |        |
| 27710                                                                                             | Mid | LTE Band 30 | 10              | 18.5                        | 18.00                 | 0.01             | 0                                               | 0748M                | QPSK       | 25      | 12        | 5 mm    | left   | 1:1        | 0.048    | 1.122          | 0.054             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |             |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |        |            |          |                |                   |        |

**Table 11-116**  
**LTE Band 7 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                      |       |      |            |                 |                             |                       |                  |                      |                      |            |         |           |         |        |            |          |                |                   |        |
|------------------------------------------|-------|------|------------|-----------------|-----------------------------|-----------------------|------------------|----------------------|----------------------|------------|---------|-----------|---------|--------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                |       |      | Mode       | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB]             | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                      | Ch.   |      |            |                 |                             |                       |                  |                      |                      |            |         |           |         |        |            | (W/kg)   |                | (W/kg)            |        |
| 2560.00                                  | 21350 | High | LTE Band 7 | 20              | 18.5                        | 18.34                 | 0.00             | 0                    | 0126M                | QPSK       | 1       | 0         | 5 mm    | back   | 1:1        | 0.280    | 1.038          | 0.291             |        |
| 2560.00                                  | 21350 | High | LTE Band 7 | 20              | 18.5                        | 18.35                 | 0.01             | 0                    | 0126M                | QPSK       | 50      | 25        | 5 mm    | back   | 1:1        | 0.294    | 1.035          | 0.304             |        |
| 2560.00                                  | 21350 | High | LTE Band 7 | 20              | 18.5                        | 18.34                 | 0.00             | 0                    | 0126M                | QPSK       | 1       | 0         | 5 mm    | front  | 1:1        | 0.078    | 1.038          | 0.081             |        |
| 2560.00                                  | 21350 | High | LTE Band 7 | 20              | 18.5                        | 18.35                 | 0.00             | 0                    | 0126M                | QPSK       | 50      | 25        | 5 mm    | front  | 1:1        | 0.057    | 1.035          | 0.059             |        |
| 2510.00                                  | 20850 | Low  | LTE Band 7 | 20              | 18.5                        | 18.23                 | 0.00             | 0                    | 0126M                | QPSK       | 1       | 99        | 5 mm    | bottom | 1:1        | 1.030    | 1.064          | 1.096             |        |
| 2535.00                                  | 21100 | Mid  | LTE Band 7 | 20              | 18.5                        | 17.98                 | 0.00             | 0                    | 0126M                | QPSK       | 1       | 0         | 5 mm    | bottom | 1:1        | 0.920    | 1.127          | 1.037             |        |
| 2560.00                                  | 21350 | High | LTE Band 7 | 20              | 18.5                        | 18.34                 | 0.00             | 0                    | 0126M                | QPSK       | 1       | 0         | 5 mm    | bottom | 1:1        | 0.654    | 1.038          | 0.679             |        |
| 2510.00                                  | 20850 | Low  | LTE Band 7 | 20              | 18.5                        | 18.34                 | 0.02             | 0                    | 0126M                | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1        | 1.070    | 1.038          | 1.111             | A65    |
| 2535.00                                  | 21100 | Mid  | LTE Band 7 | 20              | 18.5                        | 18.10                 | 0.01             | 0                    | 0126M                | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1        | 0.964    | 1.096          | 1.057             |        |
| 2560.00                                  | 21350 | High | LTE Band 7 | 20              | 18.5                        | 18.35                 | 0.00             | 0                    | 0126M                | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1        | 0.676    | 1.035          | 0.700             |        |
| 2510.00                                  | 20850 | Low  | LTE Band 7 | 20              | 18.5                        | 18.13                 | 0.01             | 0                    | 0126M                | QPSK       | 100     | 0         | 5 mm    | bottom | 1:1        | 1.020    | 1.089          | 1.111             |        |
| 2560.00                                  | 21350 | High | LTE Band 7 | 20              | 18.5                        | 18.34                 | 0.00             | 0                    | 0126M                | QPSK       | 1       | 0         | 5 mm    | left   | 1:1        | 0.156    | 1.038          | 0.162             |        |
| 2560.00                                  | 21350 | High | LTE Band 7 | 20              | 18.5                        | 18.35                 | 0.00             | 0                    | 0126M                | QPSK       | 50      | 25        | 5 mm    | left   | 1:1        | 0.152    | 1.035          | 0.157             |        |
| 2510.00                                  | 20850 | Low  | LTE Band 7 | 20              | 18.5                        | 18.34                 | 0.10             | 0                    | 0126M                | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1        | 1.070    | 1.038          | 1.111             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |       |      |            |                 |                             |                       |                  |                      |                      |            |         |           |         |        |            |          |                |                   |        |
| Spatial Peak                             |       |      |            |                 |                             |                       |                  | Body                 |                      |            |         |           |         |        |            |          |                |                   |        |
| Uncontrolled Exposure/General Population |       |      |            |                 |                             |                       |                  | 1.6 W/kg (mW/g)      |                      |            |         |           |         |        |            |          |                |                   |        |
|                                          |       |      |            |                 |                             |                       |                  | averaged over 1 gram |                      |            |         |           |         |        |            |          |                |                   |        |

Note: Blue Entry represents variability measurement.

|                            |                                                                                                                                                 |                              |                                                                                       |                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------|
| FCC ID: A3LSMF711U         |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b> |  | <b>Approved by:</b> |
| Document S/N:              | Test Dates:                                                                                                                                     | DUT Type:                    |                                                                                       | Quality Manager     |
| 1M2104070032-01.A3L (Rev1) | 04/08/21 – 06/03/21                                                                                                                             | Portable Handset             |                                                                                       | Page 217 of 337     |

**Table 11-117**  
**LTE Band 48 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |                      |           |       |        |             |                    |                                   |                          |                     |                                                 |                            |            |         |           |         |        |            |          |                   |                      |        |
|---------------------------------------------------------------------------------------------------|----------------------|-----------|-------|--------|-------------|--------------------|-----------------------------------|--------------------------|---------------------|-------------------------------------------------|----------------------------|------------|---------|-----------|---------|--------|------------|----------|-------------------|----------------------|--------|
| 1 CC Uplink  <br>2 CC Uplink                                                                      | Component<br>Carrier | FREQUENCY |       |        | Mode        | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB]                                        | Device<br>Serial<br>Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |
|                                                                                                   |                      | MHz       | Ch.   | (W/kg) |             |                    |                                   |                          |                     |                                                 |                            |            |         |           |         |        |            | (W/kg)   |                   |                      |        |
| 1 CC Uplink                                                                                       | N/A                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.23                    | 0.02                | 0                                               | 0881M                      | QPSK       | 1       | 0         | 5 mm    | back   | 1:1.58     | 0.036    | 1.194             | 0.043                |        |
| 1 CC Uplink                                                                                       | N/A                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.22                    | 0.02                | 0                                               | 0881M                      | QPSK       | 50      | 0         | 5 mm    | back   | 1:1.58     | 0.037    | 1.197             | 0.044                |        |
| 1 CC Uplink                                                                                       | N/A                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.23                    | 0.02                | 0                                               | 0881M                      | QPSK       | 1       | 0         | 5 mm    | front  | 1:1.58     | 0.181    | 1.194             | 0.216                |        |
| 1 CC Uplink                                                                                       | N/A                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.22                    | 0.02                | 0                                               | 0881M                      | QPSK       | 50      | 0         | 5 mm    | front  | 1:1.58     | 0.176    | 1.197             | 0.211                |        |
| 1 CC Uplink                                                                                       | N/A                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.23                    | 0.02                | 0                                               | 0881M                      | QPSK       | 1       | 0         | 5 mm    | bottom | 1:1.58     | 0.094    | 1.194             | 0.112                |        |
| 1 CC Uplink                                                                                       | N/A                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.22                    | 0.02                | 0                                               | 0881M                      | QPSK       | 50      | 0         | 5 mm    | bottom | 1:1.58     | 0.094    | 1.197             | 0.113                |        |
| 1 CC Uplink                                                                                       | N/A                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.23                    | -0.05               | 0                                               | 0881M                      | QPSK       | 1       | 0         | 5 mm    | left   | 1:1.58     | 0.415    | 1.194             | 0.496                | A67    |
| 1 CC Uplink                                                                                       | N/A                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.22                    | 0.02                | 0                                               | 0881M                      | QPSK       | 50      | 0         | 5 mm    | left   | 1:1.58     | 0.407    | 1.197             | 0.487                |        |
| 2 CC Uplink                                                                                       | PCC                  | 3690.00   | 56640 | High   | LTE Band 48 | 20                 | 18.0                              | 17.21                    | 0.04                | 0                                               | 0881M                      | QPSK       | 1       | 0         | 5 mm    | left   | 1:1.58     | 0.403    | 1.199             | 0.483                |        |
|                                                                                                   | SCC                  | 3670.20   | 56442 |        |             |                    |                                   |                          |                     |                                                 |                            |            |         | 99        |         |        |            |          |                   |                      |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |           |       |        |             |                    |                                   |                          |                     | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                            |            |         |           |         |        |            |          |                   |                      |        |

**Table 11-118**  
**LTE Band 41 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |                      |           |       |          |             |                    |                                   |                          |                     |          |                                                 |            |         |           |         |        |            |          |                   |                      |        |
|---------------------------------------------------------------------------------------------------|----------------------|-----------|-------|----------|-------------|--------------------|-----------------------------------|--------------------------|---------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|--------|------------|----------|-------------------|----------------------|--------|
| 1 CC Uplink   2 CC Uplink,<br>Power Class                                                         | Component<br>Carrier | FREQUENCY |       |          | Mode        | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB] | Device<br>Serial<br>Number                      | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling<br>Factor | Reported SAR<br>(1g) | Plot # |
|                                                                                                   |                      | MHz       | Ch.   | (W/kg)   |             |                    |                                   |                          |                     |          |                                                 |            |         |           |         |        |            | (W/kg)   |                   |                      |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.40                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 50        | 5 mm    | back   | 1:1.58     | 0.472    | 1.023             | 0.483                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.48                    | 0.01                | 0        | 0123M                                           | QPSK       | 50      | 25        | 5 mm    | back   | 1:1.58     | 0.486    | 1.005             | 0.488                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.40                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 50        | 5 mm    | front  | 1:1.58     | 0.041    | 1.023             | 0.042                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.48                    | 0.01                | 0        | 0123M                                           | QPSK       | 50      | 25        | 5 mm    | front  | 1:1.58     | 0.042    | 1.005             | 0.042                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.40                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 50        | 5 mm    | bottom | 1:1.58     | 0.905    | 1.023             | 0.926                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2549.50   | 40185 | Low-Mid  | LTE Band 41 | 20                 | 20.5                              | 20.30                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 0         | 5 mm    | bottom | 1:1.58     | 0.864    | 1.047             | 0.905                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2593.00   | 40620 | Mid      | LTE Band 41 | 20                 | 20.5                              | 20.25                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 50        | 5 mm    | bottom | 1:1.58     | 0.703    | 1.059             | 0.744                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41 | 20                 | 20.5                              | 19.96                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 0         | 5 mm    | bottom | 1:1.58     | 0.949    | 1.132             | 1.074                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41 | 20                 | 20.5                              | 20.15                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 50        | 5 mm    | bottom | 1:1.58     | 1.020    | 1.084             | 1.106                | A69    |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41 | 20                 | 20.5                              | 20.21                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 99        | 5 mm    | bottom | 1:1.58     | 0.803    | 1.069             | 0.858                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.48                    | 0.01                | 0        | 0123M                                           | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1.58     | 0.918    | 1.005             | 0.923                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2549.50   | 40185 | Low-Mid  | LTE Band 41 | 20                 | 20.5                              | 20.36                    | 0.01                | 0        | 0123M                                           | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1.58     | 0.848    | 1.033             | 0.876                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2593.00   | 40620 | Mid      | LTE Band 41 | 20                 | 20.5                              | 20.36                    | 0.01                | 0        | 0123M                                           | QPSK       | 50      | 50        | 5 mm    | bottom | 1:1.58     | 0.727    | 1.033             | 0.751                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41 | 20                 | 20.5                              | 20.22                    | 0.01                | 0        | 0123M                                           | QPSK       | 50      | 25        | 5 mm    | bottom | 1:1.58     | 1.000    | 1.067             | 1.067                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2680.00   | 41490 | High     | LTE Band 41 | 20                 | 20.5                              | 20.24                    | 0.01                | 0        | 0123M                                           | QPSK       | 50      | 50        | 5 mm    | bottom | 1:1.58     | 0.868    | 1.062             | 0.922                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.34                    | 0.01                | 0        | 0123M                                           | QPSK       | 100     | 0         | 5 mm    | bottom | 1:1.58     | 0.904    | 1.038             | 0.938                |        |
| 1 CC Uplink - Power Class 2                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41 | 20                 | 22.1                              | 21.90                    | 0.03                | 0        | 0123M                                           | QPSK       | 1       | 0         | 5 mm    | bottom | 1:2.31     | 0.942    | 1.047             | 0.986                |        |
| 1 CC Uplink - Power Class 2                                                                       | N/A                  | 2636.50   | 41055 | Mid-High | LTE Band 41 | 20                 | 22.1                              | 22.01                    | 0.17                | 0        | 0123M                                           | QPSK       | 1       | 50        | 5 mm    | bottom | 1:2.31     | 0.992    | 1.021             | 1.013                |        |
| 1 CC Uplink - Power Class 3                                                                       | PCC                  | 2636.50   | 41055 | Mid-High | LTE Band 41 | 20                 | 20.5                              | 20.20                    | 0.03                | 0        | 0123M                                           | QPSK       | 1       | 0         | 5 mm    | bottom | 1:1.58     | 0.982    | 1.072             | 1.053                |        |
|                                                                                                   | SCC                  | 2616.70   | 40857 | Mid-High |             |                    |                                   |                          |                     |          |                                                 |            |         | 99        |         |        |            |          |                   |                      |        |
| 1 CC Uplink - Power Class 2                                                                       | PCC                  | 2636.50   | 41055 | Mid-High | LTE Band 41 | 20                 | 22.1                              | 22.09                    | -0.02               | 0        | 0123M                                           | QPSK       | 1       | 0         | 5 mm    | bottom | 1:2.31     | 0.970    | 1.002             | 0.972                |        |
|                                                                                                   | SCC                  | 2616.70   | 40857 | Mid-High |             |                    |                                   |                          |                     |          |                                                 |            |         | 99        |         |        |            |          |                   |                      |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.40                    | 0.01                | 0        | 0123M                                           | QPSK       | 1       | 50        | 5 mm    | left   | 1:1.58     | 0.086    | 1.023             | 0.088                |        |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low      | LTE Band 41 | 20                 | 20.5                              | 20.48                    | 0.01                | 0        | 0123M                                           | QPSK       | 50      | 25        | 5 mm    | left   | 1:1.58     | 0.089    | 1.005             | 0.089                |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |           |       |          |             |                    |                                   |                          |                     |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |        |            |          |                   |                      |        |

|                                             |                                                                                                                                                                                                               |                               |                                                                                       |                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                            | DUT Type:<br>Portable Handset |                                                                                       | Page 218 of 337                 |

**Table 11-119**  
**NR Band n71 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                      |        |      |                 |                             |                       |                  |          |                      |               |          |            |         |           |         |      |            |          |                |                   |        |     |
|------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|----------------------|---------------|----------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Tune State           | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                      | Ch.    |      |                 |                             |                       |                  |          |                      |               |          |            |         |           |         |      |            | (W/kg)   |                | (W/kg)            |        |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | -0.10    | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | back       | 1:1      | 0.509          | 1.334             | 0.679  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | -0.06    | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 5 mm | back       | 1:1      | 0.476          | 1.285             | 0.612  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.90            | 0.10     | 0                    | 0             | 0175M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm | back       | 1:1      | 0.515          | 1.288             | 0.663  | A71 |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | 0.00     | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | front      | 1:1      | 0.092          | 1.334             | 0.123  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | 0.02     | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 5 mm | front      | 1:1      | 0.088          | 1.285             | 0.113  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | -0.02    | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | bottom     | 1:1      | 0.104          | 1.334             | 0.139  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | 0.02     | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 5 mm | bottom     | 1:1      | 0.103          | 1.285             | 0.132  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | 0.07     | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | right      | 1:1      | 0.070          | 1.334             | 0.093  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | 0.09     | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 5 mm | right      | 1:1      | 0.076          | 1.285             | 0.098  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.75            | 0.08     | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | left       | 1:1      | 0.155          | 1.334             | 0.207  |     |
| 680.50                                   | 136100 | Mid  | NR Band n71     | 20                          | 24.0                  | 22.91            | 0.06     | 0                    | 0             | 0175M    | DFT-S-OFDM | QPSK    | 50        | 0       | 5 mm | left       | 1:1      | 0.153          | 1.285             | 0.197  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                 |                             |                       |                  |          | Body                 |               |          |            |         |           |         |      |            |          |                |                   |        |     |
| Spatial Peak                             |        |      |                 |                             |                       |                  |          | 1.6 W/kg (mW/g)      |               |          |            |         |           |         |      |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | averaged over 1 gram |               |          |            |         |           |         |      |            |          |                |                   |        |     |

**Table 11-120**  
**NR Band n12 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |                                                 |               |          |            |         |           |         |      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|---------------|----------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Tune State                                      | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |                                                 |               |          |            |         |           |         |      |            | (W/kg)   |                | (W/kg)            |        |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | -0.04    | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | back       | 1:1      | 0.523          | 1.400             | 0.732  | A73 |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | -0.05    | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 5 mm | back       | 1:1      | 0.542          | 1.387             | 0.752  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 23.14            | 0.02     | 0                                               | 0             | 0177M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm | back       | 1:1      | 0.521          | 1.219             | 0.635  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | -0.09    | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | front      | 1:1      | 0.116          | 1.400             | 0.162  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | -0.03    | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 5 mm | front      | 1:1      | 0.099          | 1.387             | 0.137  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | -0.02    | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | bottom     | 1:1      | 0.101          | 1.400             | 0.141  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | -0.19    | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 5 mm | bottom     | 1:1      | 0.095          | 1.387             | 0.132  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | 0.10     | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | right      | 1:1      | 0.107          | 1.400             | 0.150  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | 0.04     | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 5 mm | right      | 1:1      | 0.110          | 1.387             | 0.153  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.54            | 0.02     | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm | left       | 1:1      | 0.116          | 1.400             | 0.162  |     |
| 707.50                                                                                            | 141500 | Mid  | NR Band n12     | 15                          | 24.0                  | 22.58            | 0.11     | 0                                               | 0             | 0177M    | DFT-S-OFDM | QPSK    | 36        | 0       | 5 mm | left       | 1:1      | 0.114          | 1.387             | 0.158  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |          |            |         |           |         |      |            |          |                |                   |        |     |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 219 of 337                 |

**Table 11-121**  
**NR Band n5 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                  |          |                      |               |          |            |         |           |         |      |            |          |                |                   |        |     |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|----------------------|---------------|----------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Tune State           | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                      | Ch.    |      |                   |                             |                       |                  |          |                      |               |          |            |         |           |         |      |            | (W/kg)   |                | (W/kg)            |        |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | -0.03    | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 5 mm | back       | 1:1      | 0.758          | 1.312             | 0.994  | A75 |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.05     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 5 mm | back       | 1:1      | 0.764          | 1.271             | 0.971  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.79            | 0.03     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 100       | 0       | 5 mm | back       | 1:1      | 0.744          | 1.321             | 0.983  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 23.8                  | 22.55            | -0.12    | 0.2                  | 0             | 0183M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm | back       | 1:1      | 0.644          | 1.334             | 0.859  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | -0.12    | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 5 mm | front      | 1:1      | 0.147          | 1.312             | 0.193  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.10     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 5 mm | front      | 1:1      | 0.165          | 1.271             | 0.210  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | 0.17     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 5 mm | bottom     | 1:1      | 0.206          | 1.312             | 0.270  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.05     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 5 mm | bottom     | 1:1      | 0.210          | 1.271             | 0.267  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | 0.03     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 5 mm | right      | 1:1      | 0.101          | 1.312             | 0.133  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.04     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 5 mm | right      | 1:1      | 0.104          | 1.271             | 0.132  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.82            | 0.14     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 1         | 53      | 5 mm | left       | 1:1      | 0.144          | 1.312             | 0.189  |     |
| 836.50                                   | 167300 | Mid  | NR Band n5 (Cell) | 20                          | 24.0                  | 22.96            | 0.08     | 0                    | 0             | 0183M    | DFT-S-OFDM | QPSK    | 50        | 56      | 5 mm | left       | 1:1      | 0.143          | 1.271             | 0.182  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                  |          | Body                 |               |          |            |         |           |         |      |            |          |                |                   |        |     |
| Spatial Peak                             |        |      |                   |                             |                       |                  |          | 1.6 W/kg (mW/g)      |               |          |            |         |           |         |      |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          | averaged over 1 gram |               |          |            |         |           |         |      |            |          |                |                   |        |     |

**Table 11-122**  
**NR Band n66 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                |                      |          |            |               |          |            |         |           |         |          |            |                 |                |                          |        |     |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|----------------------|----------|------------|---------------|----------|------------|---------|-----------|---------|----------|------------|-----------------|----------------|--------------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB]     | MPR [dB] | Tune State | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) (W/kg) | Scaling Factor | Reported SAR (1g) (W/kg) | Plot # |     |
| MHz                                      | Ch.    |      |                   |                             |                       |                |                      |          |            |               |          |            |         |           |         |          |            |                 |                |                          |        |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                    | -0.04    | 0          | 0             | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | back       | 1:1             | 0.640          | 1.102                    | 0.705  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                    | 0.01     | 0          | 0             | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 5 mm     | back       | 1:1             | 0.661          | 1.109                    | 0.733  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                    | 0.00     | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | front      | 1:1             | 0.209          | 1.102                    | 0.230  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                    | 0.02     | 0          | 116           | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 5 mm     | front      | 1:1             | 0.211          | 1.109                    | 0.234  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                    | 0.00     | 0          | 62            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | bottom     | 1:1             | 0.714          | 1.102                    | 0.787  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                    | 0.01     | 0          | 0             | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 5 mm     | bottom     | 1:1             | 1.080          | 1.109                    | 1.198  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 17.99          | A                    | 0.00     | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 216       | 0       | 5 mm     | bottom     | 1:1             | 0.764          | 1.125                    | 0.860  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 17.91          | A                    | -0.08    | 0          | 62            | 0218M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | bottom     | 1:1             | 0.707          | 1.146                    | 0.810  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                    | 0.05     | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | right      | 1:1             | 0.055          | 1.102                    | 0.061  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                    | 0.02     | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 5 mm     | right      | 1:1             | 0.056          | 1.109                    | 0.062  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.08          | A                    | 0.00     | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | left       | 1:1             | 0.100          | 1.102                    | 0.110  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 18.5                  | 18.05          | A                    | 0.01     | 0          | 59            | 0218M    | DFT-S-OFDM | QPSK    | 108       | 108     | 5 mm     | left       | 1:1             | 0.107          | 1.109                    | 0.119  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                    | 0.02     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | back       | 1:1             | 0.045          | 1.091                    | 0.049  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                    | 0.01     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | back       | 1:1             | 0.045          | 1.079                    | 0.049  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                    | 0.01     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | front      | 1:1             | 0.557          | 1.091                    | 0.608  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                    | 0.01     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | front      | 1:1             | 0.578          | 1.079                    | 0.624  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                    | 0.01     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | top        | 1:1             | 0.020          | 1.091                    | 0.022  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                    | 0.01     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | top        | 1:1             | 0.020          | 1.079                    | 0.022  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                    | 0.01     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | bottom     | 1:1             | 0.031          | 1.091                    | 0.034  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                    | 0.02     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | bottom     | 1:1             | 0.031          | 1.079                    | 0.033  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                    | -0.13    | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | right      | 1:1             | 1.110          | 1.091                    | 1.211  | A77 |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.67          | I                    | 0.02     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | right      | 1:1             | 1.100          | 1.079                    | 1.187  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.59          | I                    | 0.02     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 216       | 0       | 5 mm     | right      | 1:1             | 1.080          | 1.099                    | 1.187  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.72          | I                    | 0.01     | 0          | N/A           | 0879M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | right      | 1:1             | 1.110          | 1.067                    | 1.184  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 19.0                  | 18.62          | I                    | 0.02     | 0          | N/A           | 0879M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | right      | 1:1             | 1.100          | 1.091                    | 1.200  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                | Body                 |          |            |               |          |            |         |           |         |          |            |                 |                |                          |        |     |
| Spatial Peak                             |        |      |                   |                             |                       |                | 1.6 W/kg (mW/g)      |          |            |               |          |            |         |           |         |          |            |                 |                |                          |        |     |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                | averaged over 1 gram |          |            |               |          |            |         |           |         |          |            |                 |                |                          |        |     |

Note: Blue Entry represents variability measurement.

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 220 of 337                 |



**Table 11-123**  
**NR Band n25 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                |                  |          |            |                                                 |          |            |         |           |         |          |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|----------------|------------------|----------|------------|-------------------------------------------------|----------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Tune State | Serial Number                                   | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                |                  |          |            |                                                 |          |            |         |           |         |          |            | (W/kg)   |                | (W/kg)            |        |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.15     | 0          | 2                                               | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | back       | 1:1      | 0.474          | 1.222             | 0.579  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.02     | 0          | 2                                               | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | back       | 1:1      | 0.478          | 1.245             | 0.595  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.02     | 0          | 8                                               | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | front      | 1:1      | 0.107          | 1.222             | 0.131  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.00     | 0          | 8                                               | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | front      | 1:1      | 0.094          | 1.245             | 0.117  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.02     | 0          | 8                                               | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | bottom     | 1:1      | 0.672          | 1.222             | 0.821  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.02     | 0          | 8                                               | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | bottom     | 1:1      | 0.647          | 1.245             | 0.806  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.49          | A                | 0.02     | 0          | 8                                               | 0195M    | DFT-S-OFDM | QPSK    | 216       | 0       | 5 mm     | bottom     | 1:1      | 0.666          | 1.262             | 0.840  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.54          | A                | 0.02     | 0          | 8                                               | 0195M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | bottom     | 1:1      | 0.657          | 1.247             | 0.819  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.02     | 0          | 8                                               | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | right      | 1:1      | 0.026          | 1.222             | 0.032  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.02     | 0          | 8                                               | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | right      | 1:1      | 0.022          | 1.245             | 0.027  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.63          | A                | 0.02     | 0          | 10                                              | 0195M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | left       | 1:1      | 0.046          | 1.222             | 0.056  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 18.5                  | 17.55          | A                | 0.02     | 0          | 10                                              | 0195M    | DFT-S-OFDM | QPSK    | 108       | 0       | 5 mm     | left       | 1:1      | 0.041          | 1.245             | 0.051  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.01     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | back       | 1:1      | 0.041          | 1.000             | 0.041  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.02     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 5 mm     | back       | 1:1      | 0.044          | 1.007             | 0.044  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.02     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | front      | 1:1      | 0.504          | 1.000             | 0.504  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.02     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 5 mm     | front      | 1:1      | 0.590          | 1.007             | 0.594  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.02     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | top        | 1:1      | 0.028          | 1.000             | 0.028  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.01     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 5 mm     | top        | 1:1      | 0.025          | 1.007             | 0.025  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.00     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | bottom     | 1:1      | 0.053          | 1.000             | 0.053  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.00     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 5 mm     | bottom     | 1:1      | 0.059          | 1.007             | 0.059  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 19.00          | I                | 0.00     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 1         | 214     | 5 mm     | right      | 1:1      | 0.542          | 1.000             | 0.542  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.97          | I                | 0.00     | 0          | N/A                                             | 0818M    | DFT-S-OFDM | QPSK    | 108       | 54      | 5 mm     | right      | 1:1      | 0.646          | 1.007             | 0.651  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 19.0                  | 18.82          | I                | -0.04    | 0          | N/A                                             | 0818M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | right      | 1:1      | 0.789          | 1.042             | 0.822  | A79 |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                |                  |          |            | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |            |         |           |         |          |            |          |                |                   |        |     |

**Table 11-124**  
**NR Band n30 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |                                                 |          |            |         |           |         |          |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|----------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number                                   | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |                                                 |          |            |         |           |         |          |            | (W/kg)   |                | (W/kg)            |        |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | -0.07    | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 5 mm     | back       | 1:1      | 0.560          | 1.122             | 0.628  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.06     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 5 mm     | back       | 1:1      | 0.564          | 1.122             | 0.633  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.04     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 5 mm     | front      | 1:1      | 0.076          | 1.122             | 0.085  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.01     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 5 mm     | front      | 1:1      | 0.072          | 1.122             | 0.081  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.01     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 5 mm     | bottom     | 1:1      | 1.040          | 1.122             | 1.167  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | -0.05    | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 5 mm     | bottom     | 1:1      | 1.070          | 1.122             | 1.201  | A81 |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 17.90            | 0.21     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 50        | 0       | 5 mm     | bottom     | 1:1      | 0.981          | 1.148             | 1.126  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 17.92            | 0.03     | 0                                               | 0181M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | bottom     | 1:1      | 1.020          | 1.143             | 1.166  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.01     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 5 mm     | right      | 1:1      | 0.033          | 1.122             | 0.037  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.01     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 5 mm     | right      | 1:1      | 0.033          | 1.122             | 0.037  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.02     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 1         | 26      | 10 mm    | left       | 1:1      | 0.056          | 1.122             | 0.063  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 17.90            | 0.01     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 50        | 0       | 10 mm    | left       | 1:1      | 0.059          | 1.148             | 0.068  |     |
| 2310.00                                                                                           | 462000 | Mid  | NR Band n30     | 10                          | 18.5                  | 18.00            | 0.01     | 0                                               | 0181M    | DFT-S-OFDM | QPSK    | 25        | 27      | 5 mm     | bottom     | 1:1      | 0.923          | 1.122             | 1.036  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |            |         |           |         |          |            |          |                |                   |        |     |

Note: Blue Entry represents variability measurement.

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 221 of 337                 |

**Table 11-125**  
**NR Band n41 Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |                                                 |          |            |         |           |         |          |            |                 |                |                   |        |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|----------|------------|---------|-----------|---------|----------|------------|-----------------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number                                   | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) (W/kg) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |                                                 |          |            |         |           |         |          |            |                 |                | (W/kg)            |        |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.00     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | back       | 1:1             | 0.227          | 1.084             | 0.246  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | 0.01     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | back       | 1:1             | 0.250          | 1.086             | 0.272  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.01     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1             | 0.586          | 1.084             | 0.635  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | 0.04     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | front      | 1:1             | 0.675          | 1.086             | 0.733  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.57            | 0.02     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 270       | 0       | 5 mm     | front      | 1:1             | 0.595          | 1.104             | 0.657  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.01     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | top        | 1:1             | 0.047          | 1.084             | 0.051  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | 0.02     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | top        | 1:1             | 0.054          | 1.086             | 0.059  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.01     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | bottom     | 1:1             | 0.174          | 1.084             | 0.189  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | 0.01     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | bottom     | 1:1             | 0.180          | 1.086             | 0.195  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.65            | 0.02     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | right      | 1:1             | 0.903          | 1.084             | 0.979  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.64            | -0.18    | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | right      | 1:1             | 0.990          | 1.086             | 1.075  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.57            | 0.01     | 0                                               | 0897M    | DFT-S-OFDM | QPSK    | 270       | 0       | 5 mm     | right      | 1:1             | 0.932          | 1.104             | 1.029  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.57            | -0.17    | 0                                               | 0897M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | right      | 1:1             | 1.080          | 1.104             | 1.192  |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 20.0                  | 19.57            | 0.02     | 0                                               | 0897M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | right      | 1:1             | 1.030          | 1.104             | 1.137  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |            |         |           |         |          |            |                 |                |                   |        |

Note: Blue Entry represents variability measurement.

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 222 of 337                        |

**Table 11-126**  
**NR Band n77 DoD Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                   |        |      |                 |                             |                       |                |                  |          |                                                 |          |            |         |           |         |          |            |          |                |                   |        |     |
|-------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|----------|-------------------------------------------------|----------|------------|---------|-----------|---------|----------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB] | Serial Number                                   | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                   | Ch.    |      |                 |                             |                       |                |                  |          |                                                 |          |            |         |           |         |          |            | (W/kg)   |                | (W/kg)            |        |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.44          | Ant F            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | back       | 1:1      | 0.040          | 1.276             | 0.051  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.43          | Ant F            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | back       | 1:1      | 0.041          | 1.279             | 0.052  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.44          | Ant F            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1      | 0.229          | 1.276             | 0.292  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.43          | Ant F            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | front      | 1:1      | 0.231          | 1.279             | 0.295  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.44          | Ant F            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | bottom     | 1:1      | 0.119          | 1.276             | 0.152  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.43          | Ant F            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | bottom     | 1:1      | 0.114          | 1.279             | 0.146  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.44          | Ant F            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1      | 0.329          | 1.276             | 0.420  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.43          | Ant F            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | left       | 1:1      | 0.337          | 1.279             | 0.431  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 18.5                  | 17.32          | Ant F            | 0.01     | 0                                               | 0831M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | left       | 1:1      | 0.311          | 1.312             | 0.408  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.57          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | back       | 1:1      | 0.027          | 1.239             | 0.033  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.59          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | back       | 1:1      | 0.030          | 1.233             | 0.037  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.57          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1      | 0.228          | 1.239             | 0.282  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.59          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | front      | 1:1      | 0.233          | 1.233             | 0.287  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.57          | Ant I            | 0.00     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | top        | 1:1      | 0.015          | 1.239             | 0.019  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.59          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | top        | 1:1      | 0.017          | 1.233             | 0.021  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.57          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | bottom     | 1:1      | 0.024          | 1.239             | 0.030  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.59          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | bottom     | 1:1      | 0.024          | 1.233             | 0.030  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.57          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | right      | 1:1      | 0.397          | 1.239             | 0.492  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.59          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | right      | 1:1      | 0.397          | 1.233             | 0.490  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.56          | Ant I            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 270       | 0       | 5 mm     | right      | 1:1      | 0.441          | 1.242             | 0.548  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.40          | Ant I            | 0.01     | 0                                               | 0831M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | right      | 1:1      | 0.466          | 1.288             | 0.600  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.05          | Ant E            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | back       | 1:1      | 0.055          | 1.396             | 0.077  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.06          | Ant E            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | back       | 1:1      | 0.056          | 1.393             | 0.078  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.05          | Ant E            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1      | 0.136          | 1.396             | 0.190  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.06          | Ant E            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | front      | 1:1      | 0.130          | 1.393             | 0.181  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.05          | Ant E            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | top        | 1:1      | 0.014          | 1.396             | 0.020  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.06          | Ant E            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | top        | 1:1      | 0.015          | 1.393             | 0.021  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.05          | Ant E            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | bottom     | 1:1      | 0.028          | 1.396             | 0.039  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.06          | Ant E            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | bottom     | 1:1      | 0.028          | 1.393             | 0.039  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.05          | Ant E            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1      | 0.336          | 1.396             | 0.469  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.06          | Ant E            | 0.03     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | left       | 1:1      | 0.332          | 1.393             | 0.462  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 16.5                  | 15.02          | Ant E            | 0.02     | 0                                               | 0831M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | left       | 1:1      | 0.321          | 1.406             | 0.451  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.82          | Ant C            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | back       | 1:1      | 0.323          | 1.042             | 0.337  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.78          | Ant C            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | back       | 1:1      | 0.314          | 1.052             | 0.330  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.82          | Ant C            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1      | 0.029          | 1.042             | 0.030  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.78          | Ant C            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | front      | 1:1      | 0.028          | 1.052             | 0.029  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.82          | Ant C            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | top        | 1:1      | 0.017          | 1.042             | 0.018  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.78          | Ant C            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | top        | 1:1      | 0.015          | 1.052             | 0.016  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.82          | Ant C            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | bottom     | 1:1      | 0.042          | 1.042             | 0.044  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.78          | Ant C            | 0.01     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | bottom     | 1:1      | 0.043          | 1.052             | 0.045  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.82          | Ant C            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1      | 0.515          | 1.042             | 0.537  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.78          | Ant C            | 0.02     | 0                                               | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | left       | 1:1      | 0.499          | 1.052             | 0.525  |     |
| 3500.01                                               | 633334 | Mid  | NR Band n77     | 100                         | 12.0                  | 11.70          | Ant C            | -0.01    | 0                                               | 0831M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | left       | 1:1      | 0.555          | 1.072             | 0.595  | A85 |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                 |                             |                       |                |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |          |            |         |           |         |          |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population              |        |      |                 |                             |                       |                |                  |          |                                                 |          |            |         |           |         |          |            |          |                |                   |        |     |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 223 of 337                 |

**Table 11-127**  
**NR Band n77 Hotspot SAR – Closed**

| MEASUREMENT RESULTS                                   |        |      |                 |                             |                       |                |                  |                                                 |               |          |            |         |           |         |          |            |                 |                |                          |        |     |
|-------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|----------------|------------------|-------------------------------------------------|---------------|----------|------------|---------|-----------|---------|----------|------------|-----------------|----------------|--------------------------|--------|-----|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Antenna Config | Power Drift [dB] | MPR [dB]                                        | Serial Number | Waveform | Modulation | RB Size | RB Offset | Spacing | MPR [dB] | Duty Cycle | SAR (1g) (W/kg) | Scaling Factor | Reported SAR (1g) (W/kg) | Plot # |     |
| MHz                                                   | Ch.    |      |                 |                             |                       |                |                  |                                                 |               |          |            |         |           |         |          |            |                 |                |                          |        |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.50          | Ant F            | 0.01                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | back       | 1:1             | 0.070          | 1.000                    | 0.070  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.47          | Ant F            | 0.00                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | back       | 1:1             | 0.065          | 1.007                    | 0.065  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 18.5                  | 18.48          | Ant F            | 0.01                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1             | 0.458          | 1.005                    | 0.460  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.50          | Ant F            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1             | 0.516          | 1.000                    | 0.516  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 18.5                  | 18.45          | Ant F            | 0.10                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | front      | 1:1             | 0.595          | 1.012                    | 0.602  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.47          | Ant F            | 0.01                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | front      | 1:1             | 0.517          | 1.007                    | 0.521  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.34          | Ant F            | 0.01                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 270       | 0       | 5 mm     | front      | 1:1             | 0.473          | 1.038                    | 0.491  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.50          | Ant F            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | bottom     | 1:1             | 0.033          | 1.000                    | 0.033  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.47          | Ant F            | 0.00                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | bottom     | 1:1             | 0.034          | 1.007                    | 0.034  | A87 |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 18.5                  | 18.48          | Ant F            | -0.04                                           | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1             | 0.881          | 1.005                    | 0.885  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.50          | Ant F            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1             | 0.581          | 1.000                    | 0.581  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 18.5                  | 18.45          | Ant F            | 0.00                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | left       | 1:1             | 0.804          | 1.012                    | 0.814  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.47          | Ant F            | 0.00                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 69      | 5 mm     | left       | 1:1             | 0.582          | 1.007                    | 0.586  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.34          | Ant F            | 0.01                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 270       | 0       | 5 mm     | left       | 1:1             | 0.649          | 1.038                    | 0.674  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 18.5                  | 18.24          | Ant F            | 0.00                                            | 0             | 0831M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | left       | 1:1             | 0.559          | 1.062                    | 0.594  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 18.5                  | 18.48          | Ant F            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1             | 0.824          | 1.005                    | 0.828  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | Ant I            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | back       | 1:1             | 0.010          | 1.213                    | 0.012  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | Ant I            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | back       | 1:1             | 0.010          | 1.208                    | 0.012  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | Ant I            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | front      | 1:1             | 0.217          | 1.213                    | 0.263  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | Ant I            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | front      | 1:1             | 0.207          | 1.208                    | 0.250  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | Ant I            | 0.02                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | top        | 1:1             | 0.013          | 1.213                    | 0.016  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | Ant I            | 0.02                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | top        | 1:1             | 0.014          | 1.208                    | 0.017  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | Ant I            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | bottom     | 1:1             | 0.018          | 1.213                    | 0.022  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | Ant I            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | bottom     | 1:1             | 0.013          | 1.208                    | 0.016  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.66          | Ant I            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 1       | 5 mm     | right      | 1:1             | 0.309          | 1.213                    | 0.375  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.68          | Ant I            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | right      | 1:1             | 0.301          | 1.208                    | 0.364  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.61          | Ant I            | 0.01                                            | 0             | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | right      | 1:1             | 0.273          | 1.227                    | 0.335  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | back       | 1:1             | 0.052          | 1.084                    | 0.056  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | Ant E            | 0.02                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | back       | 1:1             | 0.053          | 1.096                    | 0.058  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1             | 0.290          | 1.084                    | 0.314  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | front      | 1:1             | 0.291          | 1.096                    | 0.319  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | top        | 1:1             | 0.036          | 1.084                    | 0.039  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | Ant E            | 0.02                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | top        | 1:1             | 0.042          | 1.096                    | 0.046  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | bottom     | 1:1             | 0.060          | 1.084                    | 0.065  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | bottom     | 1:1             | 0.062          | 1.096                    | 0.068  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.62          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1             | 0.405          | 1.225                    | 0.496  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.15          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1             | 0.757          | 1.084                    | 0.821  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 16.5                  | 15.60          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | left       | 1:1             | 0.445          | 1.230                    | 0.547  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 16.10          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | left       | 1:1             | 0.752          | 1.096                    | 0.824  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 15.82          | Ant E            | 0.01                                            | 0             | 0641M    | DFT-S-OFDM | QPSK    | 270       | 0       | 5 mm     | left       | 1:1             | 0.681          | 1.169                    | 0.796  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 16.5                  | 15.90          | Ant E            | 0.01                                            | 0             | 0641M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | left       | 1:1             | 0.692          | 1.148                    | 0.794  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | Ant C            | 0.00                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | back       | 1:1             | 0.000          | 1.062                    | 0.000  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | Ant C            | 0.00                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | back       | 1:1             | 0.000          | 1.081                    | 0.000  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | Ant C            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | front      | 1:1             | 0.000          | 1.062                    | 0.000  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | Ant C            | 0.01                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | front      | 1:1             | 0.000          | 1.081                    | 0.000  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | Ant C            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | top        | 1:1             | 0.002          | 1.062                    | 0.002  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | Ant C            | 0.00                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | top        | 1:1             | 0.000          | 1.081                    | 0.000  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | Ant C            | 0.00                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | bottom     | 1:1             | 0.000          | 1.062                    | 0.000  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | Ant C            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | bottom     | 1:1             | 0.000          | 1.081                    | 0.000  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 12.0                  | 11.51          | Ant C            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 271     | 5 mm     | left       | 1:1             | 0.363          | 1.119                    | 0.406  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.74          | Ant C            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 1         | 137     | 5 mm     | left       | 1:1             | 0.524          | 1.062                    | 0.556  |     |
| 3750.00                                               | 650000 | Low  | NR Band n77     | 100                         | 12.0                  | 11.52          | Ant C            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 138     | 5 mm     | left       | 1:1             | 0.400          | 1.117                    | 0.447  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.66          | Ant C            | 0.01                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 135       | 0       | 5 mm     | left       | 1:1             | 0.512          | 1.081                    | 0.553  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.46          | Ant C            | 0.02                                            | 0             | 0831M    | DFT-S-OFDM | QPSK    | 270       | 0       | 5 mm     | left       | 1:1             | 0.406          | 1.132                    | 0.460  |     |
| 3930.00                                               | 662000 | High | NR Band n77     | 100                         | 12.0                  | 11.63          | Ant C            | 0.01                                            | 0             | 0831M    | CP-OFDM    | QPSK    | 1         | 1       | 5 mm     | left       | 1:1             | 0.459          | 1.089                    | 0.500  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                 |                             |                       |                |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |          |            |         |           |         |          |            |                 |                |                          |        |     |
| Uncontrolled Exposure/General Population              |        |      |                 |                             |                       |                |                  |                                                 |               |          |            |         |           |         |          |            |                 |                |                          |        |     |

Note: Blue Entry represents variability measurement.

|                                             |                                    |                                                                                     |                              |                                                                                       |                                        |
|---------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          |                                    |  | <b>SAR EVALUATION REPORT</b> |  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21 | DUT Type:<br>Portable Handset                                                       |                              | Page 224 of 337                                                                       |                                        |

**Table 11-128**  
**WLAN Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |        |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|-----------------|----------------------|------------------|--------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                 |                      |                  |        |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 5 mm                                            | 2               | Q               | 1598S                | 1                | back   | 99.9           | 0.084                 | -        | 1.012                  | 1.001                       | -                 |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 5 mm                                            | 2               | Q               | 1598S                | 1                | front  | 99.9           | 0.275                 | 0.197    | 1.012                  | 1.001                       | 0.200             |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 5 mm                                            | 2               | Q               | 1598S                | 1                | bottom | 99.9           | 0.191                 | 0.129    | 1.012                  | 1.001                       | 0.131             |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                        | 18.95                 | 0.01             | 5 mm                                            | 2               | Q               | 1598S                | 1                | left   | 99.9           | 0.409                 | 0.254    | 1.012                  | 1.001                       | 0.257             |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.02             | 5 mm                                            | 2               | N               | 0115S                | 1                | back   | 99.9           | 0.072                 | -        | 1.035                  | 1.001                       | -                 |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.03             | 5 mm                                            | 2               | N               | 0115S                | 1                | front  | 99.9           | 0.253                 | 0.189    | 1.035                  | 1.001                       | 0.196             |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.03             | 5 mm                                            | 2               | N               | 0115S                | 1                | bottom | 99.9           | 0.200                 | 0.152    | 1.035                  | 1.001                       | 0.157             |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                        | 18.85                 | 0.01             | 5 mm                                            | 2               | N               | 0115S                | 1                | left   | 99.9           | 0.393                 | 0.300    | 1.035                  | 1.001                       | 0.311             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.01             | 5 mm                                            | 1               | Q               | 1600S                | 6                | back   | 98.9           | 0.056                 | 0.026    | 1.038                  | 1.011                       | 0.027             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.02             | 5 mm                                            | 1               | Q               | 1600S                | 6                | front  | 98.9           | 0.226                 | -        | 1.038                  | 1.011                       | -                 |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.01             | 5 mm                                            | 1               | Q               | 1600S                | 6                | bottom | 98.9           | 0.367                 | 0.214    | 1.038                  | 1.011                       | 0.225             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 18.0                        | 17.84                 | 0.02             | 5 mm                                            | 1               | Q               | 1600S                | 6                | right  | 98.9           | 0.069                 | -        | 1.038                  | 1.011                       | -                 |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.02             | 5 mm                                            | 1               | N               | 0677M                | 6                | back   | 98.9           | 0.034                 | 0.014    | 1.009                  | 1.011                       | 0.014             |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.01             | 5 mm                                            | 1               | N               | 0677M                | 6                | front  | 98.9           | 0.207                 | -        | 1.009                  | 1.011                       | -                 |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.02             | 5 mm                                            | 1               | N               | 0677M                | 6                | bottom | 98.9           | 0.285                 | 0.203    | 1.009                  | 1.011                       | 0.207             |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 18.0                        | 17.96                 | 0.01             | 5 mm                                            | 1               | N               | 0677M                | 6                | right  | 98.9           | 0.040                 | -        | 1.009                  | 1.011                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |        |                |                       |          |                        |                             |                   |        |

**Table 11-129**

**WLAN SISO Hotspot SAR for Conditions with 2.4 GHz and 5 GHz WLAN SAR and/or with 5G NR - Closed**

| MEASUREMENT RESULTS                                                                               |     |          |         |                 |                             |                       |                  |         |                 |                 |                      |                  |                                                 |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|----------|---------|-----------------|-----------------------------|-----------------------|------------------|---------|-----------------|-----------------|----------------------|------------------|-------------------------------------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side                                            | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |          |         |                 |                             |                       |                  |         |                 |                 |                      |                  |                                                 |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                                                                              | 6   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 5 mm    | 2               | Q               | 1598S                | 1                | back                                            | 99.9           | 0.044                 | -        | 1.002                  | 1.001                       | -                 |        |
| 2437                                                                                              | 6   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.01             | 5 mm    | 2               | Q               | 1598S                | 1                | front                                           | 99.9           | 0.098                 | 0.072    | 1.002                  | 1.001                       | 0.072             |        |
| 2437                                                                                              | 6   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 5 mm    | 2               | Q               | 1598S                | 1                | bottom                                          | 99.9           | 0.095                 | -        | 1.002                  | 1.001                       | -                 |        |
| 2437                                                                                              | 6   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.01             | 5 mm    | 2               | Q               | 1598S                | 1                | left                                            | 99.9           | 0.197                 | 0.137    | 1.002                  | 1.001                       | 0.137             |        |
| 2412                                                                                              | 1   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.01             | 5 mm    | 2               | N               | 0115S                | 1                | back                                            | 99.9           | 0.028                 | -        | 1.002                  | 1.001                       | -                 |        |
| 2412                                                                                              | 1   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 5 mm    | 2               | N               | 0115S                | 1                | front                                           | 99.9           | 0.109                 | 0.087    | 1.002                  | 1.001                       | 0.087             |        |
| 2412                                                                                              | 1   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 5 mm    | 2               | N               | 0115S                | 1                | bottom                                          | 99.9           | 0.108                 | -        | 1.002                  | 1.001                       | -                 |        |
| 2412                                                                                              | 1   | 802.11b  | DSSS    | 22              | 15.0                        | 14.99                 | 0.02             | 5 mm    | 2               | N               | 0115S                | 1                | left                                            | 99.9           | 0.199                 | 0.149    | 1.002                  | 1.001                       | 0.149             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.55                 | 0.01             | 5 mm    | 1               | Q               | 1600S                | 29.3             | back                                            | 99.7           | 0.005                 | -        | 1.109                  | 1.003                       | -                 |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.55                 | 0.02             | 5 mm    | 1               | Q               | 1600S                | 29.3             | front                                           | 99.7           | 0.069                 | 0.034    | 1.109                  | 1.003                       | 0.038             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.55                 | 0.02             | 5 mm    | 1               | Q               | 1600S                | 29.3             | bottom                                          | 99.7           | 0.074                 | 0.044    | 1.109                  | 1.003                       | 0.049             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.55                 | 0.02             | 5 mm    | 1               | Q               | 1600S                | 29.3             | right                                           | 99.7           | 0.004                 | -        | 1.109                  | 1.003                       | -                 |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.57                 | 0.00             | 5 mm    | 1               | N               | 0677M                | 29.3             | back                                            | 99.7           | 0.005                 | -        | 1.104                  | 1.003                       | -                 |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.57                 | 0.00             | 5 mm    | 1               | N               | 0677M                | 29.3             | front                                           | 99.7           | 0.102                 | 0.049    | 1.104                  | 1.003                       | 0.054             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.57                 | 0.00             | 5 mm    | 1               | N               | 0677M                | 29.3             | bottom                                          | 99.7           | 0.115                 | 0.056    | 1.104                  | 1.003                       | 0.062             |        |
| 5775                                                                                              | 155 | 802.11ac | OFDM    | 80              | 15.0                        | 14.57                 | 0.01             | 5 mm    | 1               | N               | 0677M                | 29.3             | right                                           | 99.7           | 0.003                 | -        | 1.104                  | 1.003                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |         |                 |                             |                       |                  |         |                 |                 |                      |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                |                       |          |                        |                             |                   |        |

Note: 2.4 GHZ WLAN and 5GHz WLAN SISO were additionally evaluated at the maximum allowed output power during operations with Simultaneous 2.4 GHz WLAN and 5 GHz WLAN and/or 5G NR active. 5GHz WLAN and/or 5G NR were not transmitting during 2.4GHz WLAN evaluations and 2.4GHz WLAN and/or 5G NR were not transmitting during 5GHz WLAN evaluations

|                                             |                                                                                                                                                                                                          |                               |                                                                                       |                                 |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          | <br>PCTEST<br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                       | DUT Type:<br>Portable Handset |                                                                                       | Page 225 of 337                 |

**Table 11-130**  
**WLAN MIMO Hotspot SAR - Closed**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                                     |                               |                                     |                               |                  |                                                 |                 |                 |                      |                  |        |                |                       |        |          |                        |                             |                          |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|-------------------------------------------------|-----------------|-----------------|----------------------|------------------|--------|----------------|-----------------------|--------|----------|------------------------|-----------------------------|--------------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | Peak SAR of Area Scan |        | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) (W/kg) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                                                 |                 |                 |                      |                  |        |                | W/kg                  | (W/kg) |          |                        |                             |                          |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.00             | 5 mm                                            | MIMO            | Q               | 1598S                | 1                | back   | 99.9           | 0.285                 | 0.228  | 1.012    | 1.001                  | 0.231                       |                          |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.02             | 5 mm                                            | MIMO            | Q               | 1598S                | 1                | front  | 99.9           | 0.716                 | -      | 1.012    | 1.001                  | -                           |                          |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.00             | 5 mm                                            | MIMO            | Q               | 1598S                | 1                | bottom | 99.9           | 0.799                 | 0.406  | 1.012    | 1.001                  | 0.411                       |                          |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | 0.00             | 5 mm                                            | MIMO            | Q               | 1598S                | 1                | right  | 99.9           | 0.322                 | 0.231  | 1.012    | 1.001                  | 0.234                       |                          |        |
| 2412                                                                                              | 1   | 802.11b | DSSS    | 22              | 19.0                                | 18.63                         | 19.0                                | 18.77                         | 0.00             | 5 mm                                            | MIMO            | Q               | 1598S                | 1                | left   | 99.9           | 0.716                 | 0.504  | 1.089    | 1.001                  | 0.549                       |                          |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.80                         | 19.0                                | 18.85                         | 0.01             | 5 mm                                            | MIMO            | Q               | 1598S                | 1                | left   | 99.9           | 1.180                 | 0.758  | 1.047    | 1.001                  | 0.794                       |                          |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.96                         | 19.0                                | 18.95                         | -0.10            | 5 mm                                            | MIMO            | Q               | 1598S                | 1                | left   | 99.9           | 1.250                 | 0.767  | 1.012    | 1.001                  | 0.777                       | A89                      |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.02             | 5 mm                                            | MIMO            | N               | 0115S                | 1                | back   | 99.9           | 0.269                 | 0.230  | 1.081    | 1.001                  | 0.249                       |                          |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.03             | 5 mm                                            | MIMO            | N               | 0115S                | 1                | front  | 99.9           | 0.650                 | 0.544  | 1.081    | 1.001                  | 0.589                       |                          |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.00             | 5 mm                                            | MIMO            | N               | 0115S                | 1                | bottom | 99.9           | 0.553                 | -      | 1.081    | 1.001                  | -                           |                          |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.00             | 5 mm                                            | MIMO            | N               | 0115S                | 1                | right  | 99.9           | 0.242                 | 0.198  | 1.081    | 1.001                  | 0.214                       |                          |        |
| 2412                                                                                              | 1   | 802.11b | DSSS    | 22              | 19.0                                | 18.85                         | 19.0                                | 18.69                         | 0.00             | 5 mm                                            | MIMO            | N               | 0115S                | 1                | left   | 99.9           | 0.877                 | 0.684  | 1.074    | 1.001                  | 0.735                       |                          |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 19.0                                | 18.66                         | 19.0                                | 18.97                         | 0.01             | 5 mm                                            | MIMO            | N               | 0115S                | 1                | left   | 99.9           | 0.902                 | 0.644  | 1.081    | 1.001                  | 0.697                       |                          |        |
| 2462                                                                                              | 11  | 802.11b | DSSS    | 22              | 19.0                                | 18.72                         | 19.0                                | 18.90                         | 0.02             | 5 mm                                            | MIMO            | N               | 0115S                | 1                | left   | 99.9           | 0.954                 | 0.741  | 1.067    | 1.001                  | 0.791                       |                          |        |
| 5785                                                                                              | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.01             | 5 mm                                            | MIMO            | Q               | 1600S                | 13               | back   | 99.7           | 0.062                 | 0.022  | 1.079    | 1.003                  | 0.024                       |                          |        |
| 5785                                                                                              | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.06             | 5 mm                                            | MIMO            | Q               | 1600S                | 13               | front  | 99.7           | 0.839                 | 0.529  | 1.079    | 1.003                  | 0.573                       | A91                      |        |
| 5785                                                                                              | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.01             | 5 mm                                            | MIMO            | Q               | 1600S                | 13               | Bottom | 99.7           | 0.283                 | 0.178  | 1.079    | 1.003                  | 0.193                       |                          |        |
| 5785                                                                                              | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.01             | 5 mm                                            | MIMO            | Q               | 1600S                | 13               | right  | 99.7           | 0.059                 | 0.044  | 1.079    | 1.003                  | 0.048                       |                          |        |
| 5785                                                                                              | 157 | 802.11n | OFDM    | 20              | 18.0                                | 17.67                         | 18.0                                | 17.92                         | 0.01             | 5 mm                                            | MIMO            | Q               | 1600S                | 13               | left   | 99.7           | 0.597                 | 0.468  | 1.079    | 1.003                  | 0.506                       |                          |        |
| 5745                                                                                              | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.01             | 5 mm                                            | MIMO            | N               | 0677M                | 13               | back   | 99.8           | 0.068                 | 0.033  | 1.064    | 1.002                  | 0.035                       |                          |        |
| 5745                                                                                              | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.02             | 5 mm                                            | MIMO            | N               | 0677M                | 13               | front  | 99.8           | 0.630                 | 0.457  | 1.064    | 1.002                  | 0.487                       |                          |        |
| 5745                                                                                              | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.01             | 5 mm                                            | MIMO            | N               | 0677M                | 13               | bottom | 99.8           | 0.287                 | 0.172  | 1.064    | 1.002                  | 0.183                       |                          |        |
| 5745                                                                                              | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.02             | 5 mm                                            | MIMO            | N               | 0677M                | 13               | right  | 99.8           | 0.057                 | 0.016  | 1.064    | 1.002                  | 0.017                       |                          |        |
| 5745                                                                                              | 149 | 802.11n | OFDM    | 20              | 18.0                                | 17.98                         | 18.0                                | 17.73                         | 0.02             | 5 mm                                            | MIMO            | N               | 0677M                | 13               | left   | 99.8           | 0.478                 | 0.376  | 1.064    | 1.002                  | 0.401                       |                          |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |        |                |                       |        |          |                        |                             |                          |        |

Note: To achieve the 22.0 dBm maximum allowed MIMO power shown in the documentation, for channel 1, 6, 11 each antenna transmits at a maximum allowed power of 19.0 dBm. To achieve the 21.0 dBm maximum allowed MIMO power shown in the documentation, for channel 149,157 each antenna transmits at a maximum allowed power of 18.0 dBm.

|                                                    |                                                                                                                                                                                                                               |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of</small>  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                                     | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 226 of 337                        |

Table 11-131

## WLAN MIMO Hotspot SAR for Conditions with 2.4 GHz and 5 GHz WLAN SAR and/or with 5G NR - Closed

| MEASUREMENT RESULTS                      |     |          |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |        |                |                       |       |                 |                        |                             |                          |        |
|------------------------------------------|-----|----------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|-----------------|-----------------|----------------------|------------------|--------|----------------|-----------------------|-------|-----------------|------------------------|-----------------------------|--------------------------|--------|
| FREQUENCY                                |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | Peak SAR of Area Scan |       | SAR (1g) (W/kg) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) (W/kg) | Plot # |
| MHz                                      | Ch. |          |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                 |                      |                  |        |                | W/kg                  | W/kg  |                 |                        |                             |                          |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.01             | 5 mm                 | MIMO            | Q               | 1598S                | 13               | back   | 99.7           | 0.063                 | -     | 1.059           | 1.003                  | -                           | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.02             | 5 mm                 | MIMO            | Q               | 1598S                | 13               | front  | 99.7           | 0.147                 | 0.121 | 1.059           | 1.003                  | 0.129                       | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.01             | 5 mm                 | MIMO            | Q               | 1598S                | 13               | bottom | 99.7           | 0.111                 | -     | 1.059           | 1.003                  | -                           | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.01             | 5 mm                 | MIMO            | Q               | 1598S                | 13               | right  | 99.7           | 0.046                 | -     | 1.059           | 1.003                  | -                           | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.75                         | 15.0                                | 14.92                         | 0.02             | 5 mm                 | MIMO            | Q               | 1598S                | 13               | left   | 99.7           | 0.133                 | 0.106 | 1.059           | 1.003                  | 0.113                       | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.01             | 5 mm                 | MIMO            | N               | 0115S                | 13               | back   | 99.7           | 0.052                 | -     | 1.064           | 1.003                  | -                           | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.02             | 5 mm                 | MIMO            | N               | 0115S                | 13               | front  | 99.7           | 0.146                 | 0.124 | 1.064           | 1.003                  | 0.132                       | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.02             | 5 mm                 | MIMO            | N               | 0115S                | 13               | bottom | 99.7           | 0.125                 | -     | 1.064           | 1.003                  | -                           | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.02             | 5 mm                 | MIMO            | N               | 0115S                | 13               | right  | 99.7           | 0.046                 | -     | 1.064           | 1.003                  | -                           | -                        |        |
| 2437                                     | 6   | 802.11n  | OFDM    | 20              | 15.0                                | 14.73                         | 15.0                                | 14.89                         | 0.02             | 5 mm                 | MIMO            | N               | 0115S                | 13               | left   | 99.7           | 0.261                 | 0.171 | 1.064           | 1.003                  | 0.182                       | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.00             | 5 mm                 | MIMO            | Q               | 1600S                | 58.5             | back   | 99.7           | 0.000                 | -     | 1.256           | 1.003                  | -                           | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.00             | 5 mm                 | MIMO            | Q               | 1600S                | 58.5             | front  | 99.7           | 0.166                 | 0.096 | 1.256           | 1.003                  | 0.121                       | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.02             | 5 mm                 | MIMO            | Q               | 1600S                | 58.5             | bottom | 99.7           | 0.086                 | 0.040 | 1.256           | 1.003                  | 0.050                       | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.03             | 5 mm                 | MIMO            | Q               | 1600S                | 58.5             | right  | 99.7           | 0.013                 | 0.000 | 1.256           | 1.003                  | 0.000                       | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.01                         | 15.0                                | 14.73                         | 0.01             | 5 mm                 | MIMO            | Q               | 1600S                | 58.5             | left   | 99.7           | 0.142                 | 0.109 | 1.256           | 1.003                  | 0.137                       | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.01             | 5 mm                 | MIMO            | N               | 0677M                | 58.5             | back   | 99.7           | 0.048                 | -     | 1.099           | 1.003                  | -                           | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.01             | 5 mm                 | MIMO            | N               | 0677M                | 58.5             | front  | 99.7           | 0.346                 | 0.239 | 1.099           | 1.003                  | 0.263                       | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.03             | 5 mm                 | MIMO            | N               | 0677M                | 58.5             | bottom | 99.7           | 0.212                 | 0.127 | 1.099           | 1.003                  | 0.140                       | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.01             | 5 mm                 | MIMO            | N               | 0677M                | 58.5             | right  | 99.7           | 0.034                 | 0.017 | 1.099           | 1.003                  | 0.019                       | -                        |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 15.0                                | 14.59                         | 15.0                                | 14.76                         | 0.02             | 5 mm                 | MIMO            | N               | 0677M                | 58.5             | left   | 99.7           | 0.325                 | 0.248 | 1.099           | 1.003                  | 0.273                       | -                        |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |          |         |                 |                                     |                               |                                     |                               |                  | Body                 |                 |                 |                      |                  |        |                |                       |       |                 |                        |                             |                          |        |
| Spatial Peak                             |     |          |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |                 |                 |                      |                  |        |                |                       |       |                 |                        |                             |                          |        |
| Uncontrolled Exposure/General Population |     |          |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |                 |                 |                      |                  |        |                |                       |       |                 |                        |                             |                          |        |

Note: 2.4 GHZ WLAN and 5GHz WLAN MIMO were additionally evaluated at the maximum allowed output power during operations with Simultaneous 2.4 GHz WLAN and 5 GHz WLAN and/or 5G NR active. 5GHz WLAN and/or 5G NR were not transmitting during 2.4GHz WLAN evaluations and 2.4GHz WLAN and/or 5G NR were not transmitting during 5GHz WLAN evaluations

Table 11-132  
DSS Hotspot SAR – Closed

| MEASUREMENT RESULTS                                                                               |     |           |         |                             |                       |                  |         |                 |                 |                                                 |                  |        |                |          |        |                             |                             |                          |        |
|---------------------------------------------------------------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|---------|-----------------|-----------------|-------------------------------------------------|------------------|--------|----------------|----------|--------|-----------------------------|-----------------------------|--------------------------|--------|
| FREQUENCY                                                                                         |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing | Antenna Config. | Chipset Variant | Device Serial Number                            | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (1g) |        | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) (W/kg) | Plot # |
| MHz                                                                                               | Ch. |           |         |                             |                       |                  |         |                 |                 |                                                 |                  |        |                | W/kg     | (W/kg) |                             |                             |                          |        |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.43                 | 0.02             | 5 mm    | 1               | Q               | 2044M                                           | 1                | back   | 76.80          | 0.046    | -      | 1.140                       | 1.302                       | 0.068                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.43                 | 0.00             | 5 mm    | 1               | Q               | 2044M                                           | 1                | front  | 76.80          | 0.194    | -      | 1.140                       | 1.302                       | 0.288                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.43                 | 0.02             | 5 mm    | 1               | Q               | 2044M                                           | 1                | bottom | 76.80          | 0.068    | -      | 1.140                       | 1.302                       | 0.101                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.43                 | 0.00             | 5 mm    | 1               | Q               | 2044M                                           | 1                | right  | 76.80          | 0.045    | -      | 1.140                       | 1.302                       | 0.067                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 17.0                        | 16.61                 | 0.00             | 5 mm    | 2               | Q               | 2044M                                           | 1                | back   | 76.80          | 0.036    | -      | 1.094                       | 1.302                       | 0.051                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 17.0                        | 16.61                 | 0.00             | 5 mm    | 2               | Q               | 2044M                                           | 1                | front  | 76.80          | 0.177    | -      | 1.094                       | 1.302                       | 0.252                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 17.0                        | 16.61                 | 0.00             | 5 mm    | 2               | Q               | 2044M                                           | 1                | bottom | 76.80          | 0.115    | -      | 1.094                       | 1.302                       | 0.164                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 17.0                        | 16.61                 | 0.00             | 5 mm    | 2               | Q               | 2044M                                           | 1                | left   | 76.80          | 0.053    | -      | 1.094                       | 1.302                       | 0.075                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.55                 | 0.02             | 5 mm    | 1               | N               | 0694M                                           | 1                | back   | 76.80          | 0.039    | -      | 1.109                       | 1.302                       | 0.056                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.55                 | 0.00             | 5 mm    | 1               | N               | 0694M                                           | 1                | front  | 76.80          | 0.133    | -      | 1.109                       | 1.302                       | 0.192                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.55                 | 0.00             | 5 mm    | 1               | N               | 0694M                                           | 1                | bottom | 76.80          | 0.085    | -      | 1.109                       | 1.302                       | 0.123                    | -      |
| 2441                                                                                              | 39  | Bluetooth | FHSS    | 16.0                        | 15.55                 | 0.01             | 5 mm    | 1               | N               | 0694M                                           | 1                | right  | 76.80          | 0.053    | -      | 1.109                       | 1.302                       | 0.077                    | -      |
| 2480                                                                                              | 78  | Bluetooth | FHSS    | 17.0                        | 16.60                 | 0.01             | 5 mm    | 2               | N               | 0694M                                           | 1                | back   | 76.80          | 0.059    | -      | 1.096                       | 1.302                       | 0.084                    | -      |
| 2480                                                                                              | 78  | Bluetooth | FHSS    | 17.0                        | 16.60                 | 0.00             | 5 mm    | 2               | N               | 0694M                                           | 1                | front  | 76.80          | 0.194    | -      | 1.096                       | 1.302                       | 0.277                    | -      |
| 2480                                                                                              | 78  | Bluetooth | FHSS    | 17.0                        | 16.60                 | 0.02             | 5 mm    | 2               | N               | 0694M                                           | 1                | bottom | 76.80          | 0.142    | -      | 1.096                       | 1.302                       | 0.203                    | -      |
| 2480                                                                                              | 78  | Bluetooth | FHSS    | 17.0                        | 16.60                 | 0.05             | 5 mm    | 2               | N               | 0694M                                           | 1                | left   | 76.80          | 0.197    | -      | 1.096                       | 1.302                       | 0.281                    | A93    |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  |         |                 |                 | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                  |        |                |          |        |                             |                             |                          |        |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                        |
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**Table 11-133**  
**DSS Hotspot SAR for Conditions with 5G NR – Closed**

| MEASUREMENT RESULTS                      |     |           |         |                             |                       |                  |                                         |                 |                 |                      |                  |        |                |          |                             |                             |                   |        |
|------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|-----------------------------------------|-----------------|-----------------|----------------------|------------------|--------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                 | Antenna Config. | Chipset Variant | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |           |         |                             |                       |                  |                                         |                 |                 |                      |                  |        |                | (W/kg)   |                             |                             | (W/kg)            |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.10                 | 0.02             | 5 mm                                    | 1               | Q               | 2044M                | 1                | back   | 76.80          | 0.013    | 1.230                       | 1.302                       | 0.021             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.10                 | 0.02             | 5 mm                                    | 1               | Q               | 2044M                | 1                | front  | 76.80          | 0.065    | 1.230                       | 1.302                       | 0.104             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.10                 | 0.02             | 5 mm                                    | 1               | Q               | 2044M                | 1                | bottom | 76.80          | 0.031    | 1.230                       | 1.302                       | 0.050             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.10                 | 0.02             | 5 mm                                    | 1               | Q               | 2044M                | 1                | right  | 76.80          | 0.012    | 1.230                       | 1.302                       | 0.019             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.93                 | 0.00             | 5 mm                                    | 2               | Q               | 2044M                | 1                | back   | 76.80          | 0.016    | 1.016                       | 1.302                       | 0.021             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.93                 | 0.00             | 5 mm                                    | 2               | Q               | 2044M                | 1                | front  | 76.80          | 0.076    | 1.016                       | 1.302                       | 0.101             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.93                 | 0.00             | 5 mm                                    | 2               | Q               | 2044M                | 1                | bottom | 76.80          | 0.043    | 1.016                       | 1.302                       | 0.057             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.93                 | 0.00             | 5 mm                                    | 2               | Q               | 2044M                | 1                | left   | 76.80          | 0.016    | 1.016                       | 1.302                       | 0.021             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.11                 | 0.02             | 5 mm                                    | 1               | N               | 0694M                | 1                | back   | 76.80          | 0.018    | 1.227                       | 1.302                       | 0.029             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.11                 | 0.02             | 5 mm                                    | 1               | N               | 0694M                | 1                | front  | 76.80          | 0.070    | 1.227                       | 1.302                       | 0.112             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.11                 | 0.02             | 5 mm                                    | 1               | N               | 0694M                | 1                | bottom | 76.80          | 0.035    | 1.227                       | 1.302                       | 0.056             |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 14.0                        | 13.11                 | 0.01             | 5 mm                                    | 1               | N               | 0694M                | 1                | right  | 76.80          | 0.020    | 1.227                       | 1.302                       | 0.032             |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 14.0                        | 13.67                 | 0.02             | 5 mm                                    | 2               | N               | 0694M                | 1                | back   | 76.80          | 0.025    | 1.079                       | 1.302                       | 0.035             |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 14.0                        | 13.67                 | 0.01             | 5 mm                                    | 2               | N               | 0694M                | 1                | front  | 76.80          | 0.080    | 1.079                       | 1.302                       | 0.112             |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 14.0                        | 13.67                 | 0.01             | 5 mm                                    | 2               | N               | 0694M                | 1                | bottom | 76.80          | 0.063    | 1.079                       | 1.302                       | 0.089             |        |
| 2480                                     | 78  | Bluetooth | FHSS    | 14.0                        | 13.67                 | 0.02             | 5 mm                                    | 2               | N               | 0694M                | 1                | left   | 76.80          | 0.078    | 1.079                       | 1.302                       | 0.110             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |           |         |                             |                       |                  |                                         |                 |                 |                      |                  |        |                |          |                             |                             |                   |        |
| Spatial Peak                             |     |           |         |                             |                       |                  | Body                                    |                 |                 |                      |                  |        |                |          |                             |                             |                   |        |
| Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  | 1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                 |                      |                  |        |                |          |                             |                             |                   |        |

Note: BT was additionally evaluated at the maximum allowed output power during operations with Simultaneous 5G NR active. 5G NR was not transmitting during BT evaluations.

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
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## 11.7 SAR Test Notes

### General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, and FCC KDB Publication 447498 D01v06.
2. Batteries are fully charged at the beginning of the SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D01v06.
6. Device was tested using a fixed spacing for body-worn accessory testing. A separation distance of 15 mm was considered because the manufacturer has determined that there will be body-worn accessories available in the marketplace for users to support this separation distance.
7. Per FCC KDB Publication 648474 D04v01r03, body-worn SAR was evaluated without a headset connected to the device. Since the standalone reported body-worn SAR was  $\leq 1.2$  W/kg, no additional body-worn SAR evaluations using a headset cable were required.
8. Per FCC KDB 865664 D01v01r04, variability SAR tests were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg. Repeated SAR measurements are highlighted in the tables above for clarity. Please see Section 13 for variability analysis.
9. During SAR Testing for the Wireless Router conditions per FCC KDB Publication 941225 D06v02r01, the actual Portable Hotspot operation (with actual simultaneous transmission of a transmitter with WIFI) was not activated (See Section 6.7 for more details).
10. Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is  $> 160$  mm and  $< 200$  mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR  $> 1.2$  W/kg.
11. Unless otherwise noted, when 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds below.
12. This device supports dynamic antenna tuning for some bands. Per FCC Guidance, SAR was measured according to the normally required SAR measurement configurations with tuner active. The auto-tune state determined by the device was verified before and after each SAR measurement and is listed in tables above. Please see Section 14 for supplemental data.
13. Additional SAR tests for phablet SAR were evaluated per KDB 616217 Section 6 (See Section 6.9 for more information).
14. This device has an open and closed configuration. When closed, 1g SAR test are required for back side at a test separation distance of 15mm for body-worn, and on all surfaces and edges with an antenna  $\leq 25$  mm from that surface or edge at a test separation distance 10mm for hotspot.
15. This device uses Qualcomm Smart Transmit for 2G/3G/4G/5G operations to control and manage transmitting power in real time to ensure RF Exposure compliance. Per FCC Guidance, compliance for was assessed at the minimum of the time averaged power and the maximum output power for each band/mode/exposure condition (DSI).

### GSM Test Notes:

1. Body-Worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.
2. Justification for reduced test configurations per KDB Publication 941225 D01v03r01 and October 2013 TCB Workshop Notes: The source-based frame-averaged output power was evaluated for all GPRS/EDGE slot configurations. The configuration with the highest target frame averaged output power was evaluated for hotspot SAR. When the maximum frame-averaged powers are equivalent across two or more slots (within 0.25 dB), the configuration with the most number of time slots was tested.
3. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is  $\leq 0.8$  W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel was used.

#### CDMA Notes:

1. Head SAR for CDMA2000 mode was tested under RC3/SO55 per FCC KDB Publication 941225 D01v03r01.
2. Body-Worn SAR was tested with 1x RTT with TDSO / SO32 FCH Only. EVDO Rev0 and RevA and TDSO / SO32 FCH+SCH SAR tests were not required per the 3G SAR Test Reduction Procedure in FCC KDB Publication 941225 D01v03r01.
3. CDMA Wireless Router SAR is measured using Subtype 0/1 Physical Layer configurations for Rev. 0 according to KDB 941225 D01v03r01 procedures for data devices. Wireless Router SAR tests for Subtype 2 of Rev.A and 1x RTT configurations were not required per the 3G SAR Test Reduction Policy in KDB Publication 941225 D01v03r01.
4. Head SAR was additionally evaluated using EVDO Rev. A to determine compliance for VoIP operations.
5. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is  $\leq 0.8$  W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel was used.
6. CDMA 1X Advanced technology was not required for SAR since the maximum allowed output powers for 1X Advanced was not more than 0.25 dB higher than the maximum powers for 1X.

#### UMTS Notes:

1. UMTS mode was tested under RMC 12.2 kbps with HSPA Inactive per KDB Publication 941225 D01v03r01. AMR and HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
2. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is  $\leq 0.8$  W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel was used.

#### LTE Notes:

1. LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r04. The general test procedures used for testing can be found in Section 8.6.4.
2. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.
3. A-MPR was disabled for all SAR tests by setting NS=01 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
4. Per FCC KDB Publication 447498 D01v06, when the reported LTE Band 48 and 41 SAR measured at the highest output power channel in a given a test configuration was  $> 0.6$  W/kg for 1g evaluations, testing at the other channels was required for such test configurations.
5. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r04. Testing was performed using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.

|                                             |                                                                                                                                                                                                        |                               |                                 |
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6. Per KDB Publication 941225 D05Av01r02, SAR for downlink only LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive.
7. This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure conditions. Please see Section 14 for linearity results.
8. For LTE Band 5, LTE Band 66, LTE Band 48, and LTE Band 41, per FCC guidance, SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active. The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.
9. This device supports LTE Band 41 ULCA active with Power Class 2. Highest SAR test configuration for each exposure condition in Power Class 3 with ULCA active was repeated with Power Class 2 with ULCA active.

**NR Notes:**

1. NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.
2. Simultaneous transmission analysis for EN-DC operations is addressed in the Part 2 Test Report (Serial Number can be found in the bibliography).
3. Due to test setup limitations, SAR testing for NR was performed using test mode software to establish the connection.
4. Simultaneous transmission analysis for EN-DC operations is included in Section 12. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only. Per FCC guidance, all unique uplink combinations were assessed.
5. Per FCC Guidance, NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
6. For final implementation, NR Band n41 and n77 slot configuration is synchronized using maximum duty cycle of 100%. SAR testing was performed using FTM mode with a 100% duty cycle applied to match final duty cycle.
7. Per FCC Guidance, the device was configured with the tuner state selected by the device in LTE mode with auto-tune active at the same frequency as the NR test results. Additional tuner states were evaluated per April 2019 TCBC Workshop Guidance. Please see Section 14 for supplemental data.
8. Per FCC KDB Publication 447498 D01v06, when the reported NR Band n77 SAR measured at the highest output power channel in a given a test configuration was > 0.4 W/kg for 1g evaluations and > 1 W/kg for 10g evaluation, testing at the other channels was required for such test configurations

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
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#### WLAN Notes:

1. For held-to-ear, hotspot, and phablet operations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When reported SAR for the initial test position is  $\leq 0.4$  W/kg for 1g evaluations, no additional testing for the remaining test positions was required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is  $\leq 0.8$  W/kg or all test positions are measured.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 2.4 GHz WIFI operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11g/n) was not required due to the maximum allowed powers and the highest reported DSSS SAR. See Section 8.7.5 for more information.
3. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 5 GHz WIFI operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission modes were not investigated since the highest reported SAR for initial test configuration adjusted by the ratio of maximum output powers is less than 1.2 W/kg for 1g evaluations. See Section 8.7.6 for more information.
4. When the maximum reported 1g averaged SAR is  $\leq 0.8$  W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was  $\leq 1.20$  W/kg for 1g evaluations or all test channels were measured.
5. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated EMC test reports.
6. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D01v06 by either evaluating the sum of the 1g SAR values of each antenna transmitting independently or making a SAR measurement with both antennas transmitting simultaneously. Please see Section 12 for complete analysis.
7. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

#### Bluetooth Notes

1. Bluetooth SAR was measured with the device connected to a call box with hopping disabled with DH5 operation and Tx Tests test mode type. Per October 2016 TCB Workshop Notes, the reported SAR was scaled to the 100% transmission duty factor to determine compliance. See Section 9.7 for the time domain plot and calculation for the duty factor of the device.
2. Head and Hotspot Bluetooth SAR were evaluated for BT BR tethering applications.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 12 FCC MULTI-TX AND ANTENNA SAR CONSIDERATIONS

### 12.1 Introduction

The following procedures adopted from FCC KDB Publication 447498 D01v06 are applicable to devices with built-in unlicensed transmitters such as 802.11 and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

### 12.2 Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is required. Per FCC KDB Publication 447498 D01v06 4.3.2 and IEEE 1528-2013 Section 6.3.4.1.2, simultaneous transmission SAR test exclusion may be applied when the sum of the 1g SAR for all the simultaneous transmitting antennas in a specific physical test configuration is  $\leq 1.6$  W/kg. The different test positions in an exposure condition may be considered collectively to determine SAR test exclusion according to the sum of 1g or 10g SAR.

Per FCC KDB Publication 941225 D06v02r01, the devices edges with antennas more than 2.5 cm from edge are not required to be evaluated for SAR (“-”).

(\*) For test positions that were not required to be evaluated for WLAN SAR per FCC KDB publication 248227, the worst case WLAN SAR result for the applicable exposure conditions was used for simultaneous transmission analysis.

Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G operations is demonstrated in the Part 2 Report during algorithm validation.

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 12.3 Head SAR Simultaneous Transmission Analysis

**Table 12-1**  
**Simultaneous Transmission Scenario with 5 GHz WLAN Antenna 1 (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|-----------------------------|--------------|
|               |                    | 1                      | 2                           | 1+2          |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                  | 0.147                       | 0.383        |
|               | PCS CDMA/EVDO      | 0.098                  | 0.147                       | 0.245        |
|               | GSM 850            | 0.131                  | 0.147                       | 0.278        |
|               | GSM 1900           | 0.048                  | 0.147                       | 0.195        |
|               | UMTS 850           | 0.207                  | 0.147                       | 0.354        |
|               | UMTS 1750          | 0.093                  | 0.147                       | 0.240        |
|               | UMTS 1900          | 0.094                  | 0.147                       | 0.241        |
|               | LTE Band 71        | 0.224                  | 0.147                       | 0.371        |
|               | LTE Band 12        | 0.260                  | 0.147                       | 0.407        |
|               | LTE Band 13        | 0.287                  | 0.147                       | 0.434        |
|               | LTE Band 14        | 0.279                  | 0.147                       | 0.426        |
|               | LTE Band 26 (Cell) | 0.309                  | 0.147                       | 0.456        |
|               | LTE Band 5 (Cell)  | 0.272                  | 0.147                       | 0.419        |
|               | LTE Band 66 (AWS)  | 0.151                  | 0.147                       | 0.298        |
|               | LTE Band 25 (PCS)  | 0.120                  | 0.147                       | 0.267        |
|               | LTE Band 30        | 0.042                  | 0.147                       | 0.189        |
|               | LTE Band 7         | 0.056                  | 0.147                       | 0.203        |
|               | LTE Band 48        | 0.613                  | 0.147                       | 0.760        |
|               | LTE Band 41        | 0.121                  | 0.147                       | 0.268        |
|               | NR Band n71        | 0.279                  | 0.147                       | 0.426        |
|               | NR Band n12        | 0.340                  | 0.147                       | 0.487        |
|               | NR Band n5 (Cell)  | 0.322                  | 0.147                       | 0.469        |
|               | NR Band n66 (AWS)  | 1.019                  | 0.147                       | 1.166        |
|               | NR Band n25 (PCS)  | 0.957                  | 0.147                       | 1.104        |
|               | NR Band n30        | 0.082                  | 0.147                       | 0.229        |
|               | NR Band n41        | 1.052                  | 0.147                       | <b>1.199</b> |
|               | NR Band n77 DoD    | 0.658                  | 0.147                       | 0.805        |
|               | NR Band n77        | 0.753                  | 0.147                       | 0.900        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 234 of 337                        |



**Table 12-2**  
**Simultaneous Transmission Scenario with 5 GHz MIMO WLAN (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|------------------------|----------------------------|---------------------|
|               |                    | 1                      | 2                          | 1+2                 |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                  | 0.266                      | 0.502               |
|               | PCS CDMA/EVDO      | 0.098                  | 0.266                      | 0.364               |
|               | GSM 850            | 0.131                  | 0.266                      | 0.397               |
|               | GSM 1900           | 0.048                  | 0.266                      | 0.314               |
|               | UMTS 850           | 0.207                  | 0.266                      | 0.473               |
|               | UMTS 1750          | 0.093                  | 0.266                      | 0.359               |
|               | UMTS 1900          | 0.094                  | 0.266                      | 0.360               |
|               | LTE Band 71        | 0.224                  | 0.266                      | 0.490               |
|               | LTE Band 12        | 0.260                  | 0.266                      | 0.526               |
|               | LTE Band 13        | 0.287                  | 0.266                      | 0.553               |
|               | LTE Band 14        | 0.279                  | 0.266                      | 0.545               |
|               | LTE Band 26 (Cell) | 0.309                  | 0.266                      | 0.575               |
|               | LTE Band 5 (Cell)  | 0.272                  | 0.266                      | 0.538               |
|               | LTE Band 66 (AWS)  | 0.151                  | 0.266                      | 0.417               |
|               | LTE Band 25 (PCS)  | 0.120                  | 0.266                      | 0.386               |
|               | LTE Band 30        | 0.042                  | 0.266                      | 0.308               |
|               | LTE Band 7         | 0.056                  | 0.266                      | 0.322               |
|               | LTE Band 48        | 0.613                  | 0.266                      | 0.879               |
|               | LTE Band 41        | 0.121                  | 0.266                      | 0.387               |
|               | NR Band n71        | 0.279                  | 0.266                      | 0.545               |
|               | NR Band n12        | 0.340                  | 0.266                      | 0.606               |
|               | NR Band n5 (Cell)  | 0.322                  | 0.266                      | 0.588               |
|               | NR Band n66 (AWS)  | 1.019                  | 0.266                      | 1.285               |
|               | NR Band n25 (PCS)  | 0.957                  | 0.266                      | 1.223               |
|               | NR Band n30        | 0.082                  | 0.266                      | 0.348               |
|               | NR Band n41        | 1.052                  | 0.266                      | <b>1.318</b>        |
|               | NR Band n77 DoD    | 0.658                  | 0.266                      | 0.924               |
|               | NR Band n77        | 0.753                  | 0.266                      | 1.019               |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 235 of 337                                                                       |                                        |

**Table 12-3**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------|--------------|
|               |                    | 1                         | 2                                     | 1+2          |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.481                                 | 0.717        |
|               | PCS CDMA/EVDO      | 0.098                     | 0.481                                 | 0.579        |
|               | GSM 850            | 0.131                     | 0.481                                 | 0.612        |
|               | GSM 1900           | 0.048                     | 0.481                                 | 0.529        |
|               | UMTS 850           | 0.207                     | 0.481                                 | 0.688        |
|               | UMTS 1750          | 0.093                     | 0.481                                 | 0.574        |
|               | UMTS 1900          | 0.094                     | 0.481                                 | 0.575        |
|               | LTE Band 71        | 0.224                     | 0.481                                 | 0.705        |
|               | LTE Band 12        | 0.260                     | 0.481                                 | 0.741        |
|               | LTE Band 13        | 0.287                     | 0.481                                 | 0.768        |
|               | LTE Band 14        | 0.279                     | 0.481                                 | 0.760        |
|               | LTE Band 26 (Cell) | 0.309                     | 0.481                                 | 0.790        |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.481                                 | 0.753        |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.481                                 | 0.632        |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.481                                 | 0.601        |
|               | LTE Band 30        | 0.042                     | 0.481                                 | 0.523        |
|               | LTE Band 7         | 0.056                     | 0.481                                 | 0.537        |
|               | LTE Band 48        | 0.613                     | 0.481                                 | 1.094        |
|               | LTE Band 41        | 0.121                     | 0.481                                 | 0.602        |
|               | NR Band n71        | 0.279                     | 0.481                                 | 0.760        |
|               | NR Band n12        | 0.340                     | 0.481                                 | 0.821        |
|               | NR Band n5 (Cell)  | 0.322                     | 0.481                                 | 0.803        |
|               | NR Band n66 (AWS)  | 1.019                     | 0.481                                 | 1.500        |
|               | NR Band n25 (PCS)  | 0.957                     | 0.481                                 | 1.438        |
|               | NR Band n30        | 0.082                     | 0.481                                 | 0.563        |
|               | NR Band n41        | 1.052                     | 0.481                                 | <b>1.533</b> |
|               | NR Band n77 DoD    | 0.658                     | 0.481                                 | 1.139        |
|               | NR Band n77        | 0.753                     | 0.481                                 | 1.234        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 236 of 337                                                                       |                                        |



**Table 12-4**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|---------------------|
|               |                    | 1                         | 2                                           | 1+2                 |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.125                                       | 0.361               |
|               | PCS CDMA/EVDO      | 0.098                     | 0.125                                       | 0.223               |
|               | GSM 850            | 0.131                     | 0.125                                       | 0.256               |
|               | GSM 1900           | 0.048                     | 0.125                                       | 0.173               |
|               | UMTS 850           | 0.207                     | 0.125                                       | 0.332               |
|               | UMTS 1750          | 0.093                     | 0.125                                       | 0.218               |
|               | UMTS 1900          | 0.094                     | 0.125                                       | 0.219               |
|               | LTE Band 71        | 0.224                     | 0.125                                       | 0.349               |
|               | LTE Band 12        | 0.260                     | 0.125                                       | 0.385               |
|               | LTE Band 13        | 0.287                     | 0.125                                       | 0.412               |
|               | LTE Band 14        | 0.279                     | 0.125                                       | 0.404               |
|               | LTE Band 26 (Cell) | 0.309                     | 0.125                                       | 0.434               |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.125                                       | 0.397               |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.125                                       | 0.276               |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.125                                       | 0.245               |
|               | LTE Band 30        | 0.042                     | 0.125                                       | 0.167               |
|               | LTE Band 7         | 0.056                     | 0.125                                       | 0.181               |
|               | LTE Band 48        | 0.613                     | 0.125                                       | 0.738               |
|               | LTE Band 41        | 0.121                     | 0.125                                       | 0.246               |
|               | NR Band n71        | 0.279                     | 0.125                                       | 0.404               |
|               | NR Band n12        | 0.340                     | 0.125                                       | 0.465               |
|               | NR Band n5 (Cell)  | 0.322                     | 0.125                                       | 0.447               |
|               | NR Band n66 (AWS)  | 1.019                     | 0.125                                       | 1.144               |
|               | NR Band n25 (PCS)  | 0.957                     | 0.125                                       | 1.082               |
|               | NR Band n30        | 0.082                     | 0.125                                       | 0.207               |
|               | NR Band n41        | 1.052                     | 0.125                                       | <b>1.177</b>        |
|               | NR Band n77 DoD    | 0.658                     | 0.125                                       | 0.783               |
|               | NR Band n77        | 0.753                     | 0.125                                       | 0.878               |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 237 of 337                                                                       |                                        |

**Table 12-5**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 2 SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|--------------|
|               |                    | 1                         | 2                                           | 1+2          |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.207                                       | 0.443        |
|               | PCS CDMA/EVDO      | 0.098                     | 0.207                                       | 0.305        |
|               | GSM 850            | 0.131                     | 0.207                                       | 0.338        |
|               | GSM 1900           | 0.048                     | 0.207                                       | 0.255        |
|               | UMTS 850           | 0.207                     | 0.207                                       | 0.414        |
|               | UMTS 1750          | 0.093                     | 0.207                                       | 0.300        |
|               | UMTS 1900          | 0.094                     | 0.207                                       | 0.301        |
|               | LTE Band 71        | 0.224                     | 0.207                                       | 0.431        |
|               | LTE Band 12        | 0.260                     | 0.207                                       | 0.467        |
|               | LTE Band 13        | 0.287                     | 0.207                                       | 0.494        |
|               | LTE Band 14        | 0.279                     | 0.207                                       | 0.486        |
|               | LTE Band 26 (Cell) | 0.309                     | 0.207                                       | 0.516        |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.207                                       | 0.479        |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.207                                       | 0.358        |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.207                                       | 0.327        |
|               | LTE Band 30        | 0.042                     | 0.207                                       | 0.249        |
|               | LTE Band 7         | 0.056                     | 0.207                                       | 0.263        |
|               | LTE Band 48        | 0.613                     | 0.207                                       | 0.820        |
|               | LTE Band 41        | 0.121                     | 0.207                                       | 0.328        |
|               | NR Band n71        | 0.279                     | 0.207                                       | 0.486        |
|               | NR Band n12        | 0.340                     | 0.207                                       | 0.547        |
|               | NR Band n5 (Cell)  | 0.322                     | 0.207                                       | 0.529        |
|               | NR Band n66 (AWS)  | 1.019                     | 0.207                                       | 1.226        |
|               | NR Band n25 (PCS)  | 0.957                     | 0.207                                       | 1.164        |
|               | NR Band n30        | 0.082                     | 0.207                                       | 0.289        |
|               | NR Band n41        | 1.052                     | 0.207                                       | <b>1.259</b> |
|               | NR Band n77 DoD    | 0.658                     | 0.207                                       | 0.865        |
|               | NR Band n77        | 0.753                     | 0.207                                       | 0.960        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 238 of 337                 |

Table 12-6

Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5 GHz Antenna 1 WLAN (Held to Ear)

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|--------------------------------------|---------------------|
|               |                    | 1                         | 2                                           | 3                                    | 1+2+3               |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.125                                       | 0.147                                | 0.508               |
|               | PCS CDMA/EVDO      | 0.098                     | 0.125                                       | 0.147                                | 0.370               |
|               | GSM 850            | 0.131                     | 0.125                                       | 0.147                                | 0.403               |
|               | GSM 1900           | 0.048                     | 0.125                                       | 0.147                                | 0.320               |
|               | UMTS 850           | 0.207                     | 0.125                                       | 0.147                                | 0.479               |
|               | UMTS 1750          | 0.093                     | 0.125                                       | 0.147                                | 0.365               |
|               | UMTS 1900          | 0.094                     | 0.125                                       | 0.147                                | 0.366               |
|               | LTE Band 71        | 0.224                     | 0.125                                       | 0.147                                | 0.496               |
|               | LTE Band 12        | 0.260                     | 0.125                                       | 0.147                                | 0.532               |
|               | LTE Band 13        | 0.287                     | 0.125                                       | 0.147                                | 0.559               |
|               | LTE Band 14        | 0.279                     | 0.125                                       | 0.147                                | 0.551               |
|               | LTE Band 26 (Cell) | 0.309                     | 0.125                                       | 0.147                                | 0.581               |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.125                                       | 0.147                                | 0.544               |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.125                                       | 0.147                                | 0.423               |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.125                                       | 0.147                                | 0.392               |
|               | LTE Band 30        | 0.042                     | 0.125                                       | 0.147                                | 0.314               |
|               | LTE Band 7         | 0.056                     | 0.125                                       | 0.147                                | 0.328               |
|               | LTE Band 48        | 0.613                     | 0.125                                       | 0.147                                | 0.885               |
|               | LTE Band 41        | 0.121                     | 0.125                                       | 0.147                                | 0.393               |
|               | NR Band n71        | 0.279                     | 0.125                                       | 0.147                                | 0.551               |
|               | NR Band n12        | 0.340                     | 0.125                                       | 0.147                                | 0.612               |
|               | NR Band n5 (Cell)  | 0.322                     | 0.125                                       | 0.147                                | 0.594               |
|               | NR Band n66 (AWS)  | 1.019                     | 0.125                                       | 0.147                                | 1.291               |
|               | NR Band n25 (PCS)  | 0.957                     | 0.125                                       | 0.147                                | 1.229               |
|               | NR Band n30        | 0.082                     | 0.125                                       | 0.147                                | 0.354               |
|               | NR Band n41        | 1.052                     | 0.125                                       | 0.147                                | <b>1.324</b>        |
|               | NR Band n77 DoD    | 0.658                     | 0.125                                       | 0.147                                | 0.930               |
|               | NR Band n77        | 0.753                     | 0.125                                       | 0.147                                | 1.025               |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 239 of 337                 |

Table 12-7

## Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5 GHz Antenna 1 WLAN (Held to Ear)

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 2 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|--------------------------------------|---------------------|
|               |                    | 1                         | 2                                           | 3                                    | 1+2+3               |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.207                                       | 0.147                                | 0.590               |
|               | PCS CDMA/EVDO      | 0.098                     | 0.207                                       | 0.147                                | 0.452               |
|               | GSM 850            | 0.131                     | 0.207                                       | 0.147                                | 0.485               |
|               | GSM 1900           | 0.048                     | 0.207                                       | 0.147                                | 0.402               |
|               | UMTS 850           | 0.207                     | 0.207                                       | 0.147                                | 0.561               |
|               | UMTS 1750          | 0.093                     | 0.207                                       | 0.147                                | 0.447               |
|               | UMTS 1900          | 0.094                     | 0.207                                       | 0.147                                | 0.448               |
|               | LTE Band 71        | 0.224                     | 0.207                                       | 0.147                                | 0.578               |
|               | LTE Band 12        | 0.260                     | 0.207                                       | 0.147                                | 0.614               |
|               | LTE Band 13        | 0.287                     | 0.207                                       | 0.147                                | 0.641               |
|               | LTE Band 14        | 0.279                     | 0.207                                       | 0.147                                | 0.633               |
|               | LTE Band 26 (Cell) | 0.309                     | 0.207                                       | 0.147                                | 0.663               |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.207                                       | 0.147                                | 0.626               |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.207                                       | 0.147                                | 0.505               |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.207                                       | 0.147                                | 0.474               |
|               | LTE Band 30        | 0.042                     | 0.207                                       | 0.147                                | 0.396               |
|               | LTE Band 7         | 0.056                     | 0.207                                       | 0.147                                | 0.410               |
|               | LTE Band 48        | 0.613                     | 0.207                                       | 0.147                                | 0.967               |
|               | LTE Band 41        | 0.121                     | 0.207                                       | 0.147                                | 0.475               |
|               | NR Band n71        | 0.279                     | 0.207                                       | 0.147                                | 0.633               |
|               | NR Band n12        | 0.340                     | 0.207                                       | 0.147                                | 0.694               |
|               | NR Band n5 (Cell)  | 0.322                     | 0.207                                       | 0.147                                | 0.676               |
|               | NR Band n66 (AWS)  | 1.019                     | 0.207                                       | 0.147                                | 1.373               |
|               | NR Band n25 (PCS)  | 0.957                     | 0.207                                       | 0.147                                | 1.311               |
|               | NR Band n30        | 0.082                     | 0.207                                       | 0.147                                | 0.436               |
|               | NR Band n41        | 1.052                     | 0.207                                       | 0.147                                | <b>1.406</b>        |
|               | NR Band n77 DoD    | 0.658                     | 0.207                                       | 0.147                                | 1.012               |
|               | NR Band n77        | 0.753                     | 0.207                                       | 0.147                                | 1.107               |

|                                             |                                                                                                                                                                                                                |                               |                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 240 of 337                        |

**Table 12-8**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5GHz MIMO WLAN (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|-------------------------------------|--------------|
|               |                    | 1                         | 2                                           | 3                                   | 1+2+3        |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.125                                       | 0.266                               | 0.627        |
|               | PCS CDMA/EVDO      | 0.098                     | 0.125                                       | 0.266                               | 0.489        |
|               | GSM 850            | 0.131                     | 0.125                                       | 0.266                               | 0.522        |
|               | GSM 1900           | 0.048                     | 0.125                                       | 0.266                               | 0.439        |
|               | UMTS 850           | 0.207                     | 0.125                                       | 0.266                               | 0.598        |
|               | UMTS 1750          | 0.093                     | 0.125                                       | 0.266                               | 0.484        |
|               | UMTS 1900          | 0.094                     | 0.125                                       | 0.266                               | 0.485        |
|               | LTE Band 71        | 0.224                     | 0.125                                       | 0.266                               | 0.615        |
|               | LTE Band 12        | 0.260                     | 0.125                                       | 0.266                               | 0.651        |
|               | LTE Band 13        | 0.287                     | 0.125                                       | 0.266                               | 0.678        |
|               | LTE Band 14        | 0.279                     | 0.125                                       | 0.266                               | 0.670        |
|               | LTE Band 26 (Cell) | 0.309                     | 0.125                                       | 0.266                               | 0.700        |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.125                                       | 0.266                               | 0.663        |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.125                                       | 0.266                               | 0.542        |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.125                                       | 0.266                               | 0.511        |
|               | LTE Band 30        | 0.042                     | 0.125                                       | 0.266                               | 0.433        |
|               | LTE Band 7         | 0.056                     | 0.125                                       | 0.266                               | 0.447        |
|               | LTE Band 48        | 0.613                     | 0.125                                       | 0.266                               | 1.004        |
|               | LTE Band 41        | 0.121                     | 0.125                                       | 0.266                               | 0.512        |
|               | NR Band n71        | 0.279                     | 0.125                                       | 0.266                               | 0.670        |
|               | NR Band n12        | 0.340                     | 0.125                                       | 0.266                               | 0.731        |
|               | NR Band n5 (Cell)  | 0.322                     | 0.125                                       | 0.266                               | 0.713        |
|               | NR Band n66 (AWS)  | 1.019                     | 0.125                                       | 0.266                               | 1.410        |
|               | NR Band n25 (PCS)  | 0.957                     | 0.125                                       | 0.266                               | 1.348        |
|               | NR Band n30        | 0.082                     | 0.125                                       | 0.266                               | 0.473        |
|               | NR Band n41        | 1.052                     | 0.125                                       | 0.266                               | <b>1.443</b> |
|               | NR Band n77 DoD    | 0.658                     | 0.125                                       | 0.266                               | 1.049        |
|               | NR Band n77        | 0.753                     | 0.125                                       | 0.266                               | 1.144        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 241 of 337                                                                       |                                        |

**Table 12-9**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5GHz MIMO WLAN (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|-------------------------------------|--------------|
|               |                    | 1                         | 2                                           | 3                                   | 1+2+3        |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.207                                       | 0.266                               | 0.709        |
|               | PCS CDMA/EVDO      | 0.098                     | 0.207                                       | 0.266                               | 0.571        |
|               | GSM 850            | 0.131                     | 0.207                                       | 0.266                               | 0.604        |
|               | GSM 1900           | 0.048                     | 0.207                                       | 0.266                               | 0.521        |
|               | UMTS 850           | 0.207                     | 0.207                                       | 0.266                               | 0.680        |
|               | UMTS 1750          | 0.093                     | 0.207                                       | 0.266                               | 0.566        |
|               | UMTS 1900          | 0.094                     | 0.207                                       | 0.266                               | 0.567        |
|               | LTE Band 71        | 0.224                     | 0.207                                       | 0.266                               | 0.697        |
|               | LTE Band 12        | 0.260                     | 0.207                                       | 0.266                               | 0.733        |
|               | LTE Band 13        | 0.287                     | 0.207                                       | 0.266                               | 0.760        |
|               | LTE Band 14        | 0.279                     | 0.207                                       | 0.266                               | 0.752        |
|               | LTE Band 26 (Cell) | 0.309                     | 0.207                                       | 0.266                               | 0.782        |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.207                                       | 0.266                               | 0.745        |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.207                                       | 0.266                               | 0.624        |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.207                                       | 0.266                               | 0.593        |
|               | LTE Band 30        | 0.042                     | 0.207                                       | 0.266                               | 0.515        |
|               | LTE Band 7         | 0.056                     | 0.207                                       | 0.266                               | 0.529        |
|               | LTE Band 48        | 0.613                     | 0.207                                       | 0.266                               | 1.086        |
|               | LTE Band 41        | 0.121                     | 0.207                                       | 0.266                               | 0.594        |
|               | NR Band n71        | 0.279                     | 0.207                                       | 0.266                               | 0.752        |
|               | NR Band n12        | 0.340                     | 0.207                                       | 0.266                               | 0.813        |
|               | NR Band n5 (Cell)  | 0.322                     | 0.207                                       | 0.266                               | 0.795        |
|               | NR Band n66 (AWS)  | 1.019                     | 0.207                                       | 0.266                               | 1.492        |
|               | NR Band n25 (PCS)  | 0.957                     | 0.207                                       | 0.266                               | 1.430        |
|               | NR Band n30        | 0.082                     | 0.207                                       | 0.266                               | 0.555        |
|               | NR Band n41        | 1.052                     | 0.207                                       | 0.266                               | <b>1.525</b> |
|               | NR Band n77 DoD    | 0.658                     | 0.207                                       | 0.266                               | 1.131        |
|               | NR Band n77        | 0.753                     | 0.207                                       | 0.266                               | 1.226        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 242 of 337                 |

**Table 12-10**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 2.4 GHz WLAN Antenna 2**  
**(Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|---------------------------|---------------------------------------------|----------------------------------------|-----------------|
|               |                    | 1                         | 2                                           | 3                                      | 1+2+3           |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.125                                       | 0.514                                  | 0.875           |
|               | PCS CDMA/EVDO      | 0.098                     | 0.125                                       | 0.514                                  | 0.737           |
|               | GSM 850            | 0.131                     | 0.125                                       | 0.514                                  | 0.770           |
|               | GSM 1900           | 0.048                     | 0.125                                       | 0.514                                  | 0.687           |
|               | UMTS 850           | 0.207                     | 0.125                                       | 0.514                                  | 0.846           |
|               | UMTS 1750          | 0.093                     | 0.125                                       | 0.514                                  | 0.732           |
|               | UMTS 1900          | 0.094                     | 0.125                                       | 0.514                                  | 0.733           |
|               | LTE Band 71        | 0.224                     | 0.125                                       | 0.514                                  | 0.863           |
|               | LTE Band 12        | 0.260                     | 0.125                                       | 0.514                                  | 0.899           |
|               | LTE Band 13        | 0.287                     | 0.125                                       | 0.514                                  | 0.926           |
|               | LTE Band 14        | 0.279                     | 0.125                                       | 0.514                                  | 0.918           |
|               | LTE Band 26 (Cell) | 0.309                     | 0.125                                       | 0.514                                  | 0.948           |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.125                                       | 0.514                                  | 0.911           |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.125                                       | 0.514                                  | 0.790           |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.125                                       | 0.514                                  | 0.759           |
|               | LTE Band 30        | 0.042                     | 0.125                                       | 0.514                                  | 0.681           |
|               | LTE Band 7         | 0.056                     | 0.125                                       | 0.514                                  | 0.695           |
|               | LTE Band 48        | 0.613                     | 0.125                                       | 0.514                                  | 1.252           |
|               | LTE Band 41        | 0.121                     | 0.125                                       | 0.514                                  | 0.760           |
|               | NR Band n71        | 0.279                     | 0.125                                       | 0.514                                  | 0.918           |
|               | NR Band n12        | 0.340                     | 0.125                                       | 0.514                                  | 0.979           |
|               | NR Band n5 (Cell)  | 0.322                     | 0.125                                       | 0.514                                  | 0.961           |
|               | NR Band n66 (AWS)  | 1.019                     | 0.125                                       | 0.514                                  | See Table Below |
|               | NR Band n25 (PCS)  | 0.957                     | 0.125                                       | 0.514                                  | See Table Below |
|               | NR Band n30        | 0.082                     | 0.125                                       | 0.514                                  | 0.721           |
|               | NR Band n41        | 1.052                     | 0.125                                       | 0.514                                  | See Table Below |
|               | NR Band n77 DoD    | 0.658                     | 0.125                                       | 0.514                                  | 1.297           |
|               | NR Band n77        | 0.753                     | 0.125                                       | 0.514                                  | <b>1.392</b>    |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 243 of 337                 |

| Simult Tx | Configuration | NR Band<br>n66 (AWS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n25 (PCS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|---------------------------------------------|---------------------------------------------|----------------------------------------|-----------------|-----------|---------------|---------------------------------------------|---------------------------------------------|----------------------------------------|-----------------|
|           |               | 1                                           | 2                                           | 3                                      | 1+2+3           |           |               | 1                                           | 2                                           | 3                                      | 1+2+3           |
| Head SAR  | Right Cheek   | 0.140                                       | 0.125                                       | 0.514                                  | <b>0.779</b>    | Head SAR  | Right Cheek   | 0.084                                       | 0.125                                       | 0.514                                  | <b>0.723</b>    |
|           | Right Tilt    | 0.057                                       | 0.093                                       | 0.393                                  | 0.543           |           | Right Tilt    | 0.053                                       | 0.093                                       | 0.393                                  | 0.539           |
|           | Left Cheek    | 0.072                                       | 0.125                                       | 0.123                                  | 0.320           |           | Left Cheek    | 0.099                                       | 0.125                                       | 0.123                                  | 0.347           |
|           | Left Tilt     | 0.062                                       | 0.073                                       | 0.514*                                 | 0.649           |           | Left Tilt     | 0.044                                       | 0.073                                       | 0.514*                                 | 0.631           |
| Simult Tx | Configuration | NR Band<br>n66 (AWS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n25 (PCS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|           |               | 1                                           | 2                                           | 3                                      | 1+2+3           |           |               | 1                                           | 2                                           | 3                                      | 1+2+3           |
| Head SAR  | Right Cheek   | 0.475                                       | 0.125                                       | 0.514                                  | 1.114           | Head SAR  | Right Cheek   | 0.299                                       | 0.125                                       | 0.514                                  | 0.938           |
|           | Right Tilt    | 0.093                                       | 0.093                                       | 0.393                                  | 0.579           |           | Right Tilt    | 0.088                                       | 0.093                                       | 0.393                                  | 0.574           |
|           | Left Cheek    | 1.019                                       | 0.125                                       | 0.123                                  | <b>1.267</b>    |           | Left Cheek    | 0.957                                       | 0.125                                       | 0.123                                  | <b>1.205</b>    |
|           | Left Tilt     | 0.198                                       | 0.073                                       | 0.514*                                 | 0.785           |           | Left Tilt     | 0.144                                       | 0.073                                       | 0.514*                                 | 0.731           |

| Simult Tx | Configuration | NR Band<br>n41 SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|------------------------------|---------------------------------------------|----------------------------------------|-----------------|
|           |               | 1                            | 2                                           | 3                                      | 1+2+3           |
| Head SAR  | Right Cheek   | 0.321                        | 0.125                                       | 0.514                                  | 0.960           |
|           | Right Tilt    | 0.068                        | 0.093                                       | 0.393                                  | 0.554           |
|           | Left Cheek    | 1.052                        | 0.125                                       | 0.123                                  | <b>1.300</b>    |
|           | Left Tilt     | 0.199                        | 0.073                                       | 0.514*                                 | 0.786           |

|                                             |                                                                                                                                                                                                                |                               |                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 244 of 337                        |



**Table 12-11**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN,**  
**and 5 GHz Antenna 1 WLAN (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant 1<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>SAR (W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|---------------------------|------------------------------------------|-------------------------------------|--------------------------------------|-----------------|
|               |                    | 1                         | 2                                        | 3                                   | 4                                    | 1+2+3+4         |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.125                                    | 0.514                               | 0.147                                | 1.022           |
|               | PCS CDMA/EVDO      | 0.098                     | 0.125                                    | 0.514                               | 0.147                                | 0.884           |
|               | GSM 850            | 0.131                     | 0.125                                    | 0.514                               | 0.147                                | 0.917           |
|               | GSM 1900           | 0.048                     | 0.125                                    | 0.514                               | 0.147                                | 0.834           |
|               | UMTS 850           | 0.207                     | 0.125                                    | 0.514                               | 0.147                                | 0.993           |
|               | UMTS 1750          | 0.093                     | 0.125                                    | 0.514                               | 0.147                                | 0.879           |
|               | UMTS 1900          | 0.094                     | 0.125                                    | 0.514                               | 0.147                                | 0.880           |
|               | LTE Band 71        | 0.224                     | 0.125                                    | 0.514                               | 0.147                                | 1.010           |
|               | LTE Band 12        | 0.260                     | 0.125                                    | 0.514                               | 0.147                                | 1.046           |
|               | LTE Band 13        | 0.287                     | 0.125                                    | 0.514                               | 0.147                                | 1.073           |
|               | LTE Band 14        | 0.279                     | 0.125                                    | 0.514                               | 0.147                                | 1.065           |
|               | LTE Band 26 (Cell) | 0.309                     | 0.125                                    | 0.514                               | 0.147                                | 1.095           |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.125                                    | 0.514                               | 0.147                                | 1.058           |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.125                                    | 0.514                               | 0.147                                | 0.937           |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.125                                    | 0.514                               | 0.147                                | 0.906           |
|               | LTE Band 30        | 0.042                     | 0.125                                    | 0.514                               | 0.147                                | 0.828           |
|               | LTE Band 7         | 0.056                     | 0.125                                    | 0.514                               | 0.147                                | 0.842           |
|               | LTE Band 48        | 0.613                     | 0.125                                    | 0.514                               | 0.147                                | 1.399           |
|               | LTE Band 41        | 0.121                     | 0.125                                    | 0.514                               | 0.147                                | 0.907           |
|               | NR Band n71        | 0.279                     | 0.125                                    | 0.514                               | 0.147                                | 1.065           |
|               | NR Band n12        | 0.340                     | 0.125                                    | 0.514                               | 0.147                                | 1.126           |
|               | NR Band n5 (Cell)  | 0.322                     | 0.125                                    | 0.514                               | 0.147                                | 1.108           |
|               | NR Band n66 (AWS)  | 1.019                     | 0.125                                    | 0.514                               | 0.147                                | See Table Below |
|               | NR Band n25 (PCS)  | 0.957                     | 0.125                                    | 0.514                               | 0.147                                | See Table Below |
|               | NR Band n30        | 0.082                     | 0.125                                    | 0.514                               | 0.147                                | 0.868           |
|               | NR Band n41        | 1.052                     | 0.125                                    | 0.514                               | 0.147                                | See Table Below |
|               | NR Band n77 DoD    | 0.658                     | 0.125                                    | 0.514                               | 0.147                                | 1.444           |
|               | NR Band n77        | 0.753                     | 0.125                                    | 0.514                               | 0.147                                | <b>1.539</b>    |

| Simult Tx | Configuration | NR Band<br>n66 (AWS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n25 (PCS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|---------------------------------------------|---------------------------------------------|----------------------------------------|--------------------------------------|-----------------|-----------|---------------|---------------------------------------------|---------------------------------------------|----------------------------------------|--------------------------------------|-----------------|
|           |               | 1                                           | 2                                           | 3                                      | 4                                    | 1+2+3+4         |           |               | 1                                           | 2                                           | 3                                      | 4                                    | 1+2+3+4         |
|           |               |                                             |                                             |                                        |                                      |                 |           |               |                                             |                                             |                                        |                                      |                 |
| Head SAR  | Right Cheek   | 0.140                                       | 0.125                                       | 0.514                                  | 0.147*                               | 0.926           | Head SAR  | Right Cheek   | 0.084                                       | 0.125                                       | 0.514                                  | 0.147*                               | 0.870           |
|           | Right Tilt    | 0.057                                       | 0.093                                       | 0.393                                  | 0.147*                               | 0.690           |           | Right Tilt    | 0.053                                       | 0.093                                       | 0.393                                  | 0.147*                               | 0.686           |
|           | Left Cheek    | 0.072                                       | 0.125                                       | 0.123                                  | 0.114                                | 0.434           |           | Left Cheek    | 0.099                                       | 0.125                                       | 0.123                                  | 0.114                                | 0.461           |
|           | Left Tilt     | 0.062                                       | 0.073                                       | 0.514*                                 | 0.147                                | 0.796           |           | Left Tilt     | 0.044                                       | 0.073                                       | 0.514*                                 | 0.147                                | 0.778           |
| Simult Tx | Configuration | NR Band<br>n66 (AWS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n25 (PCS)<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|           |               | 1                                           | 2                                           | 3                                      | 4                                    | 1+2+3+4         |           |               | 1                                           | 2                                           | 3                                      | 4                                    | 1+2+3+4         |
|           |               |                                             |                                             |                                        |                                      |                 |           |               |                                             |                                             |                                        |                                      |                 |
| Head SAR  | Right Cheek   | 0.475                                       | 0.125                                       | 0.514                                  | 0.147*                               | 1.261           | Head SAR  | Right Cheek   | 0.299                                       | 0.125                                       | 0.514                                  | 0.147*                               | 1.085           |
|           | Right Tilt    | 0.093                                       | 0.093                                       | 0.393                                  | 0.147*                               | 0.726           |           | Right Tilt    | 0.088                                       | 0.093                                       | 0.393                                  | 0.147*                               | 0.721           |
|           | Left Cheek    | 1.019                                       | 0.125                                       | 0.123                                  | 0.114                                | 1.381           |           | Left Cheek    | 0.957                                       | 0.125                                       | 0.123                                  | 0.114                                | 1.319           |
|           | Left Tilt     | 0.198                                       | 0.073                                       | 0.514*                                 | 0.147                                | 0.932           |           | Left Tilt     | 0.144                                       | 0.073                                       | 0.514*                                 | 0.147                                | 0.878           |

|                                                    |                                                                                                                                                                                                |                                      |                                                                                       |                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| <b>FCC ID:</b> A3LSMF711U                          | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 245 of 337                        |

| Simult Tx | Configuration | NR Band<br>n41 SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|------------------------------|---------------------------------------------|----------------------------------------|--------------------------------------|-----------------|
|           |               | 1                            | 2                                           | 3                                      | 4                                    | 1+2+3+4         |
| Head SAR  | Right Cheek   | 0.321                        | 0.125                                       | 0.514                                  | 0.147*                               | 1.107           |
|           | Right Tilt    | 0.068                        | 0.093                                       | 0.393                                  | 0.147*                               | 0.701           |
|           | Left Cheek    | 1.052                        | 0.125                                       | 0.123                                  | 0.114                                | <b>1.414</b>    |
|           | Left Tilt     | 0.199                        | 0.073                                       | 0.514*                                 | 0.147                                | 0.933           |

**Table 12-12**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN, and 5 GHz MIMO WLAN (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant 1<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>SAR (W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|---------------------------|------------------------------------------|-------------------------------------|-------------------------------------|-----------------|
|               |                    | 1                         | 2                                        | 3                                   | 4                                   | 1+2+3+4         |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.125                                    | 0.514                               | 0.266                               | 1.141           |
|               | PCS CDMA/EVDO      | 0.098                     | 0.125                                    | 0.514                               | 0.266                               | 1.003           |
|               | GSM 850            | 0.131                     | 0.125                                    | 0.514                               | 0.266                               | 1.036           |
|               | GSM 1900           | 0.048                     | 0.125                                    | 0.514                               | 0.266                               | 0.953           |
|               | UMTS 850           | 0.207                     | 0.125                                    | 0.514                               | 0.266                               | 1.112           |
|               | UMTS 1750          | 0.093                     | 0.125                                    | 0.514                               | 0.266                               | 0.998           |
|               | UMTS 1900          | 0.094                     | 0.125                                    | 0.514                               | 0.266                               | 0.999           |
|               | LTE Band 71        | 0.224                     | 0.125                                    | 0.514                               | 0.266                               | 1.129           |
|               | LTE Band 12        | 0.260                     | 0.125                                    | 0.514                               | 0.266                               | 1.165           |
|               | LTE Band 13        | 0.287                     | 0.125                                    | 0.514                               | 0.266                               | 1.192           |
|               | LTE Band 14        | 0.279                     | 0.125                                    | 0.514                               | 0.266                               | 1.184           |
|               | LTE Band 26 (Cell) | 0.309                     | 0.125                                    | 0.514                               | 0.266                               | 1.214           |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.125                                    | 0.514                               | 0.266                               | 1.177           |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.125                                    | 0.514                               | 0.266                               | 1.056           |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.125                                    | 0.514                               | 0.266                               | 1.025           |
|               | LTE Band 30        | 0.042                     | 0.125                                    | 0.514                               | 0.266                               | 0.947           |
|               | LTE Band 7         | 0.056                     | 0.125                                    | 0.514                               | 0.266                               | 0.961           |
|               | LTE Band 48        | 0.613                     | 0.125                                    | 0.514                               | 0.266                               | 1.518           |
|               | LTE Band 41        | 0.121                     | 0.125                                    | 0.514                               | 0.266                               | 1.026           |
|               | NR Band n71        | 0.279                     | 0.125                                    | 0.514                               | 0.266                               | 1.184           |
|               | NR Band n12        | 0.340                     | 0.125                                    | 0.514                               | 0.266                               | 1.245           |
|               | NR Band n5 (Cell)  | 0.322                     | 0.125                                    | 0.514                               | 0.266                               | 1.227           |
|               | NR Band n66 (AWS)  | 1.019                     | 0.125                                    | 0.514                               | 0.266                               | See Table Below |
|               | NR Band n25 (PCS)  | 0.957                     | 0.125                                    | 0.514                               | 0.266                               | See Table Below |
|               | NR Band n30        | 0.082                     | 0.125                                    | 0.514                               | 0.266                               | 0.987           |
|               | NR Band n41        | 1.052                     | 0.125                                    | 0.514                               | 0.266                               | See Table Below |
|               | NR Band n77 DoD    | 0.658                     | 0.125                                    | 0.514                               | 0.266                               | <b>1.563</b>    |
|               | NR Band n77        | 0.753                     | 0.125                                    | 0.514                               | 0.266                               | See Table Below |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 246 of 337                 |

| Simult Tx | Configuration | NR Band<br>n66 (AWS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n25 (PCS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|---------------------------------------------|---------------------------------------------|----------------------------------------|-------------------------------------|-----------------|-----------|---------------|---------------------------------------------|---------------------------------------------|----------------------------------------|-------------------------------------|-----------------|
|           |               | 1                                           | 2                                           | 3                                      | 4                                   | 1+2+3+4         |           |               | 1                                           | 2                                           | 3                                      | 4                                   | 1+2+3+4         |
| Head SAR  | Right Cheek   | 0.140                                       | 0.125                                       | 0.514                                  | 0.119                               | <b>0.898</b>    | Head SAR  | Right Cheek   | 0.084                                       | 0.125                                       | 0.514                                  | 0.119                               | <b>0.842</b>    |
|           | Right Tilt    | 0.057                                       | 0.093                                       | 0.393                                  | 0.266*                              | 0.809           |           | Right Tilt    | 0.053                                       | 0.093                                       | 0.393                                  | 0.266*                              | 0.805           |
|           | Left Cheek    | 0.072                                       | 0.125                                       | 0.123                                  | 0.266                               | 0.586           |           | Left Cheek    | 0.099                                       | 0.125                                       | 0.123                                  | 0.266                               | 0.613           |
|           | Left Tilt     | 0.062                                       | 0.073                                       | 0.514*                                 | 0.062                               | 0.711           |           | Left Tilt     | 0.044                                       | 0.073                                       | 0.514*                                 | 0.062                               | 0.693           |
| Simult Tx | Configuration | NR Band<br>n66 (AWS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n25 (PCS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|           |               | 1                                           | 2                                           | 3                                      | 4                                   | 1+2+3+4         |           |               | 1                                           | 2                                           | 3                                      | 4                                   | 1+2+3+4         |
| Head SAR  | Right Cheek   | 0.475                                       | 0.125                                       | 0.514                                  | 0.119                               | 1.233           | Head SAR  | Right Cheek   | 0.299                                       | 0.125                                       | 0.514                                  | 0.119                               | 1.057           |
|           | Right Tilt    | 0.093                                       | 0.093                                       | 0.393                                  | 0.266*                              | 0.845           |           | Right Tilt    | 0.088                                       | 0.093                                       | 0.393                                  | 0.266*                              | 0.840           |
|           | Left Cheek    | 1.019                                       | 0.125                                       | 0.123                                  | 0.266                               | <b>1.533</b>    |           | Left Cheek    | 0.957                                       | 0.125                                       | 0.123                                  | 0.266                               | <b>1.471</b>    |
|           | Left Tilt     | 0.198                                       | 0.073                                       | 0.514*                                 | 0.062                               | 0.847           |           | Left Tilt     | 0.144                                       | 0.073                                       | 0.514*                                 | 0.062                               | 0.793           |

| Simult Tx | Configuration | NR Band<br>n41 SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|------------------------------|---------------------------------------------|----------------------------------------|-------------------------------------|-----------------|
|           |               | 1                            | 2                                           | 3                                      | 4                                   | 1+2+3+4         |
| Head SAR  | Right Cheek   | 0.321                        | 0.125                                       | 0.514                                  | 0.119                               | 1.079           |
|           | Right Tilt    | 0.068                        | 0.093                                       | 0.393                                  | 0.266*                              | 0.820           |
|           | Left Cheek    | 1.052                        | 0.125                                       | 0.123                                  | 0.266                               | <b>1.566</b>    |
|           | Left Tilt     | 0.199                        | 0.073                                       | 0.514*                                 | 0.062                               | 0.848           |

| Simult Tx | Configuration | NR Band<br>n77 Ant F<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n77 Ant E<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|------------------------------------|---------------------------------------------|----------------------------------------|-------------------------------------|-----------------|-----------|---------------|------------------------------------|---------------------------------------------|----------------------------------------|-------------------------------------|-----------------|
|           |               | 1                                  | 2                                           | 3                                      | 2                                   | 1+2+3+4         |           |               | 1                                  | 2                                           | 3                                      | 2                                   | 1+2+3+4         |
| Head SAR  | Right Cheek   | 0.753                              | 0.125                                       | 0.514                                  | 0.119                               | <b>1.511</b>    | Head SAR  | Right Cheek   | 0.568                              | 0.125                                       | 0.514                                  | 0.119                               | <b>1.326</b>    |
|           | Right Tilt    | 0.376                              | 0.093                                       | 0.393                                  | 0.266*                              | 1.128           |           | Right Tilt    | 0.155                              | 0.093                                       | 0.393                                  | 0.266*                              | 0.907           |
|           | Left Cheek    | 0.238                              | 0.125                                       | 0.123                                  | 0.266                               | 0.752           |           | Left Cheek    | 0.749                              | 0.125                                       | 0.123                                  | 0.266                               | 1.263           |
|           | Left Tilt     | 0.233                              | 0.073                                       | 0.514*                                 | 0.062                               | 0.882           |           | Left Tilt     | 0.093                              | 0.073                                       | 0.514*                                 | 0.062                               | 0.742           |
| Simult Tx | Configuration | NR Band<br>n77 Ant I<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n77 Ant C<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|           |               | 1                                  | 2                                           | 3                                      | 2                                   | 1+2+3+4         |           |               | 1                                  | 2                                           | 3                                      | 2                                   | 1+2+3+4         |
| Head SAR  | Right Cheek   | 0.545                              | 0.125                                       | 0.514                                  | 0.119                               | <b>1.303</b>    | Head SAR  | Right Cheek   | 0.022                              | 0.125                                       | 0.514                                  | 0.119                               | 0.780           |
|           | Right Tilt    | 0.022                              | 0.093                                       | 0.393                                  | 0.266*                              | 0.774           |           | Right Tilt    | 0.040                              | 0.093                                       | 0.393                                  | 0.266*                              | <b>0.792</b>    |
|           | Left Cheek    | 0.334                              | 0.125                                       | 0.123                                  | 0.266                               | 0.848           |           | Left Cheek    | 0.064                              | 0.125                                       | 0.123                                  | 0.266                               | 0.578           |
|           | Left Tilt     | 0.031                              | 0.073                                       | 0.514*                                 | 0.062                               | 0.680           |           | Left Tilt     | 0.018                              | 0.073                                       | 0.514*                                 | 0.062                               | 0.667           |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 247 of 337                 |

**Table 12-13**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN and 5 GHz MIMO WLAN (Held to Ear)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|---------------------------|---------------------------------------|-------------------------------------|-----------------|
|               |                    | 1                         | 2                                     | 3                                   | 1+2+3           |
| Head SAR      | Cell. CDMA/EVDO    | 0.236                     | 0.481                                 | 0.266                               | 0.983           |
|               | PCS CDMA/EVDO      | 0.098                     | 0.481                                 | 0.266                               | 0.845           |
|               | GSM 850            | 0.131                     | 0.481                                 | 0.266                               | 0.878           |
|               | GSM 1900           | 0.048                     | 0.481                                 | 0.266                               | 0.795           |
|               | UMTS 850           | 0.207                     | 0.481                                 | 0.266                               | 0.954           |
|               | UMTS 1750          | 0.093                     | 0.481                                 | 0.266                               | 0.840           |
|               | UMTS 1900          | 0.094                     | 0.481                                 | 0.266                               | 0.841           |
|               | LTE Band 71        | 0.224                     | 0.481                                 | 0.266                               | 0.971           |
|               | LTE Band 12        | 0.260                     | 0.481                                 | 0.266                               | 1.007           |
|               | LTE Band 13        | 0.287                     | 0.481                                 | 0.266                               | 1.034           |
|               | LTE Band 14        | 0.279                     | 0.481                                 | 0.266                               | 1.026           |
|               | LTE Band 26 (Cell) | 0.309                     | 0.481                                 | 0.266                               | 1.056           |
|               | LTE Band 5 (Cell)  | 0.272                     | 0.481                                 | 0.266                               | 1.019           |
|               | LTE Band 66 (AWS)  | 0.151                     | 0.481                                 | 0.266                               | 0.898           |
|               | LTE Band 25 (PCS)  | 0.120                     | 0.481                                 | 0.266                               | 0.867           |
|               | LTE Band 30        | 0.042                     | 0.481                                 | 0.266                               | 0.789           |
|               | LTE Band 7         | 0.056                     | 0.481                                 | 0.266                               | 0.803           |
|               | LTE Band 48        | 0.613                     | 0.481                                 | 0.266                               | 1.360           |
|               | LTE Band 41        | 0.121                     | 0.481                                 | 0.266                               | 0.868           |
|               | NR Band n71        | 0.279                     | 0.481                                 | 0.266                               | 1.026           |
|               | NR Band n12        | 0.340                     | 0.481                                 | 0.266                               | 1.087           |
|               | NR Band n5 (Cell)  | 0.322                     | 0.481                                 | 0.266                               | 1.069           |
|               | NR Band n66 (AWS)  | 1.019                     | 0.481                                 | 0.266                               | See Table Below |
|               | NR Band n25 (PCS)  | 0.957                     | 0.481                                 | 0.266                               | See Table Below |
|               | NR Band n30        | 0.082                     | 0.481                                 | 0.266                               | 0.829           |
|               | NR Band n41        | 1.052                     | 0.481                                 | 0.266                               | See Table Below |
|               | NR Band n77 DoD    | 0.658                     | 0.481                                 | 0.266                               | 1.405           |
|               | NR Band n77        | 0.753                     | 0.481                                 | 0.266                               | <b>1.500</b>    |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 248 of 337                                                                       |                                        |

| Simult Tx | Configuration | NR Band<br>n66 (AWS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n25 (PCS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|---------------------------------------------|---------------------------------------|-------------------------------------|-----------------|-----------|---------------|---------------------------------------------|---------------------------------------|-------------------------------------|-----------------|
|           |               | 1                                           | 2                                     | 3                                   | 1+2+3           |           |               | 1                                           | 2                                     | 3                                   | 1+2+3           |
| Head SAR  | Right Cheek   | 0.140                                       | 0.481                                 | 0.119                               | <b>0.740</b>    | Head SAR  | Right Cheek   | 0.084                                       | 0.481                                 | 0.119                               | <b>0.684</b>    |
|           | Right Tilt    | 0.057                                       | 0.328                                 | 0.266*                              | 0.651           |           | Right Tilt    | 0.053                                       | 0.328                                 | 0.266*                              | 0.647           |
|           | Left Cheek    | 0.072                                       | 0.275                                 | 0.266                               | 0.613           |           | Left Cheek    | 0.099                                       | 0.275                                 | 0.266                               | 0.640           |
|           | Left Tilt     | 0.062                                       | 0.481*                                | 0.062                               | 0.605           |           | Left Tilt     | 0.044                                       | 0.481*                                | 0.062                               | 0.587           |
| Simult Tx | Configuration | NR Band<br>n66 (AWS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | NR Band<br>n25 (PCS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|           |               | 1                                           | 2                                     | 3                                   | 1+2+3           |           |               | 1                                           | 2                                     | 3                                   | 1+2+3           |
| Head SAR  | Right Cheek   | 0.475                                       | 0.481                                 | 0.119                               | 1.075           | Head SAR  | Right Cheek   | 0.299                                       | 0.481                                 | 0.119                               | 0.899           |
|           | Right Tilt    | 0.093                                       | 0.328                                 | 0.266*                              | 0.687           |           | Right Tilt    | 0.088                                       | 0.328                                 | 0.266*                              | 0.682           |
|           | Left Cheek    | 1.019                                       | 0.275                                 | 0.266                               | <b>1.560</b>    |           | Left Cheek    | 0.957                                       | 0.275                                 | 0.266                               | <b>1.498</b>    |
|           | Left Tilt     | 0.198                                       | 0.481*                                | 0.062                               | 0.741           |           | Left Tilt     | 0.144                                       | 0.481*                                | 0.062                               | 0.687           |

| Simult Tx | Configuration | NR Band<br>n41 SAR<br>(W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | 5 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|------------------------------|---------------------------------------|-------------------------------------|-----------------|
|           |               | 1                            | 2                                     | 3                                   | 1+2+3           |
| Head SAR  | Right Cheek   | 0.321                        | 0.481                                 | 0.119                               | 0.921           |
|           | Right Tilt    | 0.068                        | 0.328                                 | 0.266*                              | 0.662           |
|           | Left Cheek    | 1.052                        | 0.275                                 | 0.266                               | <b>1.593</b>    |
|           | Left Tilt     | 0.199                        | 0.481*                                | 0.062                               | 0.742           |

|                                             |                                                                                                                                                                                                                |                               |                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 249 of 337                        |

## 12.4 Open Body-Worn Simultaneous Transmission Analysis

**Table 12-14**  
**Simultaneous Transmission Scenario with 5 GHz WLAN Antenna 1 (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|-----------------------------|--------------|
|               |                    | 1                      | 2                           | 1+2          |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.128                       | 0.362        |
|               | PCS CDMA           | 1.017                  | 0.128                       | 1.145        |
|               | GSM 850            | 0.136                  | 0.128                       | 0.264        |
|               | GSM 1900           | 0.332                  | 0.128                       | 0.460        |
|               | UMTS 850           | 0.215                  | 0.128                       | 0.343        |
|               | UMTS 1750          | 0.560                  | 0.128                       | 0.688        |
|               | UMTS 1900          | 0.462                  | 0.128                       | 0.590        |
|               | LTE Band 71        | 0.368                  | 0.128                       | 0.496        |
|               | LTE Band 12        | 0.272                  | 0.128                       | 0.400        |
|               | LTE Band 13        | 0.224                  | 0.128                       | 0.352        |
|               | LTE Band 14        | 0.283                  | 0.128                       | 0.411        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.128                       | 0.376        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.128                       | 0.402        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.128                       | <b>1.203</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.128                       | 1.147        |
|               | LTE Band 30        | 0.473                  | 0.128                       | 0.601        |
|               | LTE Band 7         | 0.570                  | 0.128                       | 0.698        |
|               | LTE Band 48        | 0.185                  | 0.128                       | 0.313        |
|               | LTE Band 41        | 0.451                  | 0.128                       | 0.579        |
|               | NR Band n71        | 0.368                  | 0.128                       | 0.496        |
|               | NR Band n12        | 0.433                  | 0.128                       | 0.561        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.128                       | 0.396        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.128                       | 0.991        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.128                       | 0.850        |
|               | NR Band n30        | 0.578                  | 0.128                       | 0.706        |
|               | NR Band n41        | 0.233                  | 0.128                       | 0.361        |
|               | NR Band n77 DoD    | 0.210                  | 0.128                       | 0.338        |
|               | NR Band n77        | 0.261                  | 0.128                       | 0.389        |

|                                             |                                                                                                                                                                                                                |                               |                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 250 of 337                        |

**Table 12-15**  
**Simultaneous Transmission Scenario with 5 GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|----------------------------|--------------|
|               |                    | 1                      | 2                          | 1+2          |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.148                      | 0.382        |
|               | PCS CDMA           | 1.017                  | 0.148                      | 1.165        |
|               | GSM 850            | 0.136                  | 0.148                      | 0.284        |
|               | GSM 1900           | 0.332                  | 0.148                      | 0.480        |
|               | UMTS 850           | 0.215                  | 0.148                      | 0.363        |
|               | UMTS 1750          | 0.560                  | 0.148                      | 0.708        |
|               | UMTS 1900          | 0.462                  | 0.148                      | 0.610        |
|               | LTE Band 71        | 0.368                  | 0.148                      | 0.516        |
|               | LTE Band 12        | 0.272                  | 0.148                      | 0.420        |
|               | LTE Band 13        | 0.224                  | 0.148                      | 0.372        |
|               | LTE Band 14        | 0.283                  | 0.148                      | 0.431        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.148                      | 0.396        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.148                      | 0.422        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.148                      | <b>1.223</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.148                      | 1.167        |
|               | LTE Band 30        | 0.473                  | 0.148                      | 0.621        |
|               | LTE Band 7         | 0.570                  | 0.148                      | 0.718        |
|               | LTE Band 48        | 0.185                  | 0.148                      | 0.333        |
|               | LTE Band 41        | 0.451                  | 0.148                      | 0.599        |
|               | NR Band n71        | 0.368                  | 0.148                      | 0.516        |
|               | NR Band n12        | 0.433                  | 0.148                      | 0.581        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.148                      | 0.416        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.148                      | 1.011        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.148                      | 0.870        |
|               | NR Band n30        | 0.578                  | 0.148                      | 0.726        |
|               | NR Band n41        | 0.233                  | 0.148                      | 0.381        |
|               | NR Band n77 DoD    | 0.210                  | 0.148                      | 0.358        |
|               | NR Band n77        | 0.261                  | 0.148                      | 0.409        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 251 of 337                 |

**Table 12-16**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------|--------------|
|               |                    | 1                      | 2                            | 1+2          |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.253                        | 0.487        |
|               | PCS CDMA           | 1.017                  | 0.253                        | 1.270        |
|               | GSM 850            | 0.136                  | 0.253                        | 0.389        |
|               | GSM 1900           | 0.332                  | 0.253                        | 0.585        |
|               | UMTS 850           | 0.215                  | 0.253                        | 0.468        |
|               | UMTS 1750          | 0.560                  | 0.253                        | 0.813        |
|               | UMTS 1900          | 0.462                  | 0.253                        | 0.715        |
|               | LTE Band 71        | 0.368                  | 0.253                        | 0.621        |
|               | LTE Band 12        | 0.272                  | 0.253                        | 0.525        |
|               | LTE Band 13        | 0.224                  | 0.253                        | 0.477        |
|               | LTE Band 14        | 0.283                  | 0.253                        | 0.536        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.253                        | 0.501        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.253                        | 0.527        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.253                        | <b>1.328</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.253                        | 1.272        |
|               | LTE Band 30        | 0.473                  | 0.253                        | 0.726        |
|               | LTE Band 7         | 0.570                  | 0.253                        | 0.823        |
|               | LTE Band 48        | 0.185                  | 0.253                        | 0.438        |
|               | LTE Band 41        | 0.451                  | 0.253                        | 0.704        |
|               | NR Band n71        | 0.368                  | 0.253                        | 0.621        |
|               | NR Band n12        | 0.433                  | 0.253                        | 0.686        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.253                        | 0.521        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.253                        | 1.116        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.253                        | 0.975        |
|               | NR Band n30        | 0.578                  | 0.253                        | 0.831        |
|               | NR Band n41        | 0.233                  | 0.253                        | 0.486        |
|               | NR Band n77 DoD    | 0.210                  | 0.253                        | 0.463        |
|               | NR Band n77        | 0.261                  | 0.253                        | 0.514        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 252 of 337                                                                       |                                        |



**Table 12-17**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|--------------|
|               |                    | 1                      | 2                                  | 1+2          |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.071                              | 0.305        |
|               | PCS CDMA           | 1.017                  | 0.071                              | 1.088        |
|               | GSM 850            | 0.136                  | 0.071                              | 0.207        |
|               | GSM 1900           | 0.332                  | 0.071                              | 0.403        |
|               | UMTS 850           | 0.215                  | 0.071                              | 0.286        |
|               | UMTS 1750          | 0.560                  | 0.071                              | 0.631        |
|               | UMTS 1900          | 0.462                  | 0.071                              | 0.533        |
|               | LTE Band 71        | 0.368                  | 0.071                              | 0.439        |
|               | LTE Band 12        | 0.272                  | 0.071                              | 0.343        |
|               | LTE Band 13        | 0.224                  | 0.071                              | 0.295        |
|               | LTE Band 14        | 0.283                  | 0.071                              | 0.354        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.071                              | 0.319        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.071                              | 0.345        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.071                              | <b>1.146</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.071                              | 1.090        |
|               | LTE Band 30        | 0.473                  | 0.071                              | 0.544        |
|               | LTE Band 7         | 0.570                  | 0.071                              | 0.641        |
|               | LTE Band 48        | 0.185                  | 0.071                              | 0.256        |
|               | LTE Band 41        | 0.451                  | 0.071                              | 0.522        |
|               | NR Band n71        | 0.368                  | 0.071                              | 0.439        |
|               | NR Band n12        | 0.433                  | 0.071                              | 0.504        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.071                              | 0.339        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.071                              | 0.934        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.071                              | 0.793        |
|               | NR Band n30        | 0.578                  | 0.071                              | 0.649        |
|               | NR Band n41        | 0.233                  | 0.071                              | 0.304        |
|               | NR Band n77 DoD    | 0.210                  | 0.071                              | 0.281        |
|               | NR Band n77        | 0.261                  | 0.071                              | 0.332        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 253 of 337                                                                       |                                        |

**Table 12-18**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 2 SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|--------------|
|               |                    | 1                         | 2                                           | 1+2          |
| Body-Worn SAR | Cell. CDMA         | 0.234                     | 0.059                                       | 0.293        |
|               | PCS CDMA           | 1.017                     | 0.059                                       | 1.076        |
|               | GSM 850            | 0.136                     | 0.059                                       | 0.195        |
|               | GSM 1900           | 0.332                     | 0.059                                       | 0.391        |
|               | UMTS 850           | 0.215                     | 0.059                                       | 0.274        |
|               | UMTS 1750          | 0.560                     | 0.059                                       | 0.619        |
|               | UMTS 1900          | 0.462                     | 0.059                                       | 0.521        |
|               | LTE Band 71        | 0.368                     | 0.059                                       | 0.427        |
|               | LTE Band 12        | 0.272                     | 0.059                                       | 0.331        |
|               | LTE Band 13        | 0.224                     | 0.059                                       | 0.283        |
|               | LTE Band 14        | 0.283                     | 0.059                                       | 0.342        |
|               | LTE Band 26 (Cell) | 0.248                     | 0.059                                       | 0.307        |
|               | LTE Band 5 (Cell)  | 0.274                     | 0.059                                       | 0.333        |
|               | LTE Band 66 (AWS)  | 1.075                     | 0.059                                       | <b>1.134</b> |
|               | LTE Band 25 (PCS)  | 1.019                     | 0.059                                       | 1.078        |
|               | LTE Band 30        | 0.473                     | 0.059                                       | 0.532        |
|               | LTE Band 7         | 0.570                     | 0.059                                       | 0.629        |
|               | LTE Band 48        | 0.185                     | 0.059                                       | 0.244        |
|               | LTE Band 41        | 0.451                     | 0.059                                       | 0.510        |
|               | NR Band n71        | 0.368                     | 0.059                                       | 0.427        |
|               | NR Band n12        | 0.433                     | 0.059                                       | 0.492        |
|               | NR Band n5 (Cell)  | 0.268                     | 0.059                                       | 0.327        |
|               | NR Band n66 (AWS)  | 0.863                     | 0.059                                       | 0.922        |
|               | NR Band n25 (PCS)  | 0.722                     | 0.059                                       | 0.781        |
|               | NR Band n30        | 0.578                     | 0.059                                       | 0.637        |
|               | NR Band n41        | 0.233                     | 0.059                                       | 0.292        |
|               | NR Band n77 DoD    | 0.210                     | 0.059                                       | 0.269        |
|               | NR Band n77        | 0.261                     | 0.059                                       | 0.320        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 254 of 337                                                                       |                                        |

**Table 12-19**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5 GHz Antenna 1 WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|-----------------------------|--------------|
|               |                    | 1                      | 2                                  | 3                           | 1+2+3        |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.071                              | 0.128                       | 0.433        |
|               | PCS CDMA           | 1.017                  | 0.071                              | 0.128                       | 1.216        |
|               | GSM 850            | 0.136                  | 0.071                              | 0.128                       | 0.335        |
|               | GSM 1900           | 0.332                  | 0.071                              | 0.128                       | 0.531        |
|               | UMTS 850           | 0.215                  | 0.071                              | 0.128                       | 0.414        |
|               | UMTS 1750          | 0.560                  | 0.071                              | 0.128                       | 0.759        |
|               | UMTS 1900          | 0.462                  | 0.071                              | 0.128                       | 0.661        |
|               | LTE Band 71        | 0.368                  | 0.071                              | 0.128                       | 0.567        |
|               | LTE Band 12        | 0.272                  | 0.071                              | 0.128                       | 0.471        |
|               | LTE Band 13        | 0.224                  | 0.071                              | 0.128                       | 0.423        |
|               | LTE Band 14        | 0.283                  | 0.071                              | 0.128                       | 0.482        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.071                              | 0.128                       | 0.447        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.071                              | 0.128                       | 0.473        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.071                              | 0.128                       | <b>1.274</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.071                              | 0.128                       | 1.218        |
|               | LTE Band 30        | 0.473                  | 0.071                              | 0.128                       | 0.672        |
|               | LTE Band 7         | 0.570                  | 0.071                              | 0.128                       | 0.769        |
|               | LTE Band 48        | 0.185                  | 0.071                              | 0.128                       | 0.384        |
|               | LTE Band 41        | 0.451                  | 0.071                              | 0.128                       | 0.650        |
|               | NR Band n71        | 0.368                  | 0.071                              | 0.128                       | 0.567        |
|               | NR Band n12        | 0.433                  | 0.071                              | 0.128                       | 0.632        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.071                              | 0.128                       | 0.467        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.071                              | 0.128                       | 1.062        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.071                              | 0.128                       | 0.921        |
|               | NR Band n30        | 0.578                  | 0.071                              | 0.128                       | 0.777        |
|               | NR Band n41        | 0.233                  | 0.071                              | 0.128                       | 0.432        |
|               | NR Band n77 DoD    | 0.210                  | 0.071                              | 0.128                       | 0.409        |
|               | NR Band n77        | 0.261                  | 0.071                              | 0.128                       | 0.460        |

|                                             |                                                                                                                                                   |                               |                                                                                       |                                 |
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| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Product to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                | DUT Type:<br>Portable Handset |                                                                                       | Page 255 of 337                 |

**Table 12-20**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5 GHz Antenna 1 WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|-----------------------------|--------------|
|               |                    | 1                      | 2                                  | 3                           | 1+2+3        |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.059                              | 0.128                       | 0.421        |
|               | PCS CDMA           | 1.017                  | 0.059                              | 0.128                       | 1.204        |
|               | GSM 850            | 0.136                  | 0.059                              | 0.128                       | 0.323        |
|               | GSM 1900           | 0.332                  | 0.059                              | 0.128                       | 0.519        |
|               | UMTS 850           | 0.215                  | 0.059                              | 0.128                       | 0.402        |
|               | UMTS 1750          | 0.560                  | 0.059                              | 0.128                       | 0.747        |
|               | UMTS 1900          | 0.462                  | 0.059                              | 0.128                       | 0.649        |
|               | LTE Band 71        | 0.368                  | 0.059                              | 0.128                       | 0.555        |
|               | LTE Band 12        | 0.272                  | 0.059                              | 0.128                       | 0.459        |
|               | LTE Band 13        | 0.224                  | 0.059                              | 0.128                       | 0.411        |
|               | LTE Band 14        | 0.283                  | 0.059                              | 0.128                       | 0.470        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.059                              | 0.128                       | 0.435        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.059                              | 0.128                       | 0.461        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.059                              | 0.128                       | <b>1.262</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.059                              | 0.128                       | 1.206        |
|               | LTE Band 30        | 0.473                  | 0.059                              | 0.128                       | 0.660        |
|               | LTE Band 7         | 0.570                  | 0.059                              | 0.128                       | 0.757        |
|               | LTE Band 48        | 0.185                  | 0.059                              | 0.128                       | 0.372        |
|               | LTE Band 41        | 0.451                  | 0.059                              | 0.128                       | 0.638        |
|               | NR Band n71        | 0.368                  | 0.059                              | 0.128                       | 0.555        |
|               | NR Band n12        | 0.433                  | 0.059                              | 0.128                       | 0.620        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.059                              | 0.128                       | 0.455        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.059                              | 0.128                       | 1.050        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.059                              | 0.128                       | 0.909        |
|               | NR Band n30        | 0.578                  | 0.059                              | 0.128                       | 0.765        |
|               | NR Band n41        | 0.233                  | 0.059                              | 0.128                       | 0.420        |
|               | NR Band n77 DoD    | 0.210                  | 0.059                              | 0.128                       | 0.397        |
|               | NR Band n77        | 0.261                  | 0.059                              | 0.128                       | 0.448        |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 256 of 337                 |

**Table 12-21**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|----------------------------|--------------|
|               |                    | 1                      | 2                                  | 3                          | 1+2+3        |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.071                              | 0.148                      | 0.453        |
|               | PCS CDMA           | 1.017                  | 0.071                              | 0.148                      | 1.236        |
|               | GSM 850            | 0.136                  | 0.071                              | 0.148                      | 0.355        |
|               | GSM 1900           | 0.332                  | 0.071                              | 0.148                      | 0.551        |
|               | UMTS 850           | 0.215                  | 0.071                              | 0.148                      | 0.434        |
|               | UMTS 1750          | 0.560                  | 0.071                              | 0.148                      | 0.779        |
|               | UMTS 1900          | 0.462                  | 0.071                              | 0.148                      | 0.681        |
|               | LTE Band 71        | 0.368                  | 0.071                              | 0.148                      | 0.587        |
|               | LTE Band 12        | 0.272                  | 0.071                              | 0.148                      | 0.491        |
|               | LTE Band 13        | 0.224                  | 0.071                              | 0.148                      | 0.443        |
|               | LTE Band 14        | 0.283                  | 0.071                              | 0.148                      | 0.502        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.071                              | 0.148                      | 0.467        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.071                              | 0.148                      | 0.493        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.071                              | 0.148                      | <b>1.294</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.071                              | 0.148                      | 1.238        |
|               | LTE Band 30        | 0.473                  | 0.071                              | 0.148                      | 0.692        |
|               | LTE Band 7         | 0.570                  | 0.071                              | 0.148                      | 0.789        |
|               | LTE Band 48        | 0.185                  | 0.071                              | 0.148                      | 0.404        |
|               | LTE Band 41        | 0.451                  | 0.071                              | 0.148                      | 0.670        |
|               | NR Band n71        | 0.368                  | 0.071                              | 0.148                      | 0.587        |
|               | NR Band n12        | 0.433                  | 0.071                              | 0.148                      | 0.652        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.071                              | 0.148                      | 0.487        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.071                              | 0.148                      | 1.082        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.071                              | 0.148                      | 0.941        |
|               | NR Band n30        | 0.578                  | 0.071                              | 0.148                      | 0.797        |
|               | NR Band n41        | 0.233                  | 0.071                              | 0.148                      | 0.452        |
|               | NR Band n77 DoD    | 0.210                  | 0.071                              | 0.148                      | 0.429        |
|               | NR Band n77        | 0.261                  | 0.071                              | 0.148                      | 0.480        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 257 of 337                 |

**Table 12-22**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|----------------------------|--------------|
|               |                    | 1                      | 2                                  | 3                          | 1+2+3        |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.059                              | 0.148                      | 0.441        |
|               | PCS CDMA           | 1.017                  | 0.059                              | 0.148                      | 1.224        |
|               | GSM 850            | 0.136                  | 0.059                              | 0.148                      | 0.343        |
|               | GSM 1900           | 0.332                  | 0.059                              | 0.148                      | 0.539        |
|               | UMTS 850           | 0.215                  | 0.059                              | 0.148                      | 0.422        |
|               | UMTS 1750          | 0.560                  | 0.059                              | 0.148                      | 0.767        |
|               | UMTS 1900          | 0.462                  | 0.059                              | 0.148                      | 0.669        |
|               | LTE Band 71        | 0.368                  | 0.059                              | 0.148                      | 0.575        |
|               | LTE Band 12        | 0.272                  | 0.059                              | 0.148                      | 0.479        |
|               | LTE Band 13        | 0.224                  | 0.059                              | 0.148                      | 0.431        |
|               | LTE Band 14        | 0.283                  | 0.059                              | 0.148                      | 0.490        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.059                              | 0.148                      | 0.455        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.059                              | 0.148                      | 0.481        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.059                              | 0.148                      | <b>1.282</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.059                              | 0.148                      | 1.226        |
|               | LTE Band 30        | 0.473                  | 0.059                              | 0.148                      | 0.680        |
|               | LTE Band 7         | 0.570                  | 0.059                              | 0.148                      | 0.777        |
|               | LTE Band 48        | 0.185                  | 0.059                              | 0.148                      | 0.392        |
|               | LTE Band 41        | 0.451                  | 0.059                              | 0.148                      | 0.658        |
|               | NR Band n71        | 0.368                  | 0.059                              | 0.148                      | 0.575        |
|               | NR Band n12        | 0.433                  | 0.059                              | 0.148                      | 0.640        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.059                              | 0.148                      | 0.475        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.059                              | 0.148                      | 1.070        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.059                              | 0.148                      | 0.929        |
|               | NR Band n30        | 0.578                  | 0.059                              | 0.148                      | 0.785        |
|               | NR Band n41        | 0.233                  | 0.059                              | 0.148                      | 0.440        |
|               | NR Band n77 DoD    | 0.210                  | 0.059                              | 0.148                      | 0.417        |
|               | NR Band n77        | 0.261                  | 0.059                              | 0.148                      | 0.468        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 258 of 337                 |

**Table 12-23**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 2.4 GHz WLAN Antenna 2**  
**(Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|-------------------------------|--------------|
|               |                    | 1                      | 2                                  | 3                             | 1+2+3        |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.071                              | 0.051                         | 0.356        |
|               | PCS CDMA           | 1.017                  | 0.071                              | 0.051                         | 1.139        |
|               | GSM 850            | 0.136                  | 0.071                              | 0.051                         | 0.258        |
|               | GSM 1900           | 0.332                  | 0.071                              | 0.051                         | 0.454        |
|               | UMTS 850           | 0.215                  | 0.071                              | 0.051                         | 0.337        |
|               | UMTS 1750          | 0.560                  | 0.071                              | 0.051                         | 0.682        |
|               | UMTS 1900          | 0.462                  | 0.071                              | 0.051                         | 0.584        |
|               | LTE Band 71        | 0.368                  | 0.071                              | 0.051                         | 0.490        |
|               | LTE Band 12        | 0.272                  | 0.071                              | 0.051                         | 0.394        |
|               | LTE Band 13        | 0.224                  | 0.071                              | 0.051                         | 0.346        |
|               | LTE Band 14        | 0.283                  | 0.071                              | 0.051                         | 0.405        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.071                              | 0.051                         | 0.370        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.071                              | 0.051                         | 0.396        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.071                              | 0.051                         | <b>1.197</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.071                              | 0.051                         | 1.141        |
|               | LTE Band 30        | 0.473                  | 0.071                              | 0.051                         | 0.595        |
|               | LTE Band 7         | 0.570                  | 0.071                              | 0.051                         | 0.692        |
|               | LTE Band 48        | 0.185                  | 0.071                              | 0.051                         | 0.307        |
|               | LTE Band 41        | 0.451                  | 0.071                              | 0.051                         | 0.573        |
|               | NR Band n71        | 0.368                  | 0.071                              | 0.051                         | 0.490        |
|               | NR Band n12        | 0.433                  | 0.071                              | 0.051                         | 0.555        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.071                              | 0.051                         | 0.390        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.071                              | 0.051                         | 0.985        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.071                              | 0.051                         | 0.844        |
|               | NR Band n30        | 0.578                  | 0.071                              | 0.051                         | 0.700        |
|               | NR Band n41        | 0.233                  | 0.071                              | 0.051                         | 0.355        |
|               | NR Band n77 DoD    | 0.210                  | 0.071                              | 0.051                         | 0.332        |
|               | NR Band n77        | 0.261                  | 0.071                              | 0.051                         | 0.383        |

|                                             |                                                                                                                                                   |                               |                                                                                       |                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Product to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                | DUT Type:<br>Portable Handset |                                                                                       | Page 259 of 337                 |

**Table 12-24**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN,**  
**and 5 GHz Antenna 1 WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|----------------------------------------|--------------------------------------|--------------|
|               |                    | 1                         | 2                                           | 3                                      | 4                                    | 1+2+3+4      |
| Body-Worn SAR | Cell. CDMA         | 0.234                     | 0.071                                       | 0.051                                  | 0.128                                | 0.484        |
|               | PCS CDMA           | 1.017                     | 0.071                                       | 0.051                                  | 0.128                                | 1.267        |
|               | GSM 850            | 0.136                     | 0.071                                       | 0.051                                  | 0.128                                | 0.386        |
|               | GSM 1900           | 0.332                     | 0.071                                       | 0.051                                  | 0.128                                | 0.582        |
|               | UMTS 850           | 0.215                     | 0.071                                       | 0.051                                  | 0.128                                | 0.465        |
|               | UMTS 1750          | 0.560                     | 0.071                                       | 0.051                                  | 0.128                                | 0.810        |
|               | UMTS 1900          | 0.462                     | 0.071                                       | 0.051                                  | 0.128                                | 0.712        |
|               | LTE Band 71        | 0.368                     | 0.071                                       | 0.051                                  | 0.128                                | 0.618        |
|               | LTE Band 12        | 0.272                     | 0.071                                       | 0.051                                  | 0.128                                | 0.522        |
|               | LTE Band 13        | 0.224                     | 0.071                                       | 0.051                                  | 0.128                                | 0.474        |
|               | LTE Band 14        | 0.283                     | 0.071                                       | 0.051                                  | 0.128                                | 0.533        |
|               | LTE Band 26 (Cell) | 0.248                     | 0.071                                       | 0.051                                  | 0.128                                | 0.498        |
|               | LTE Band 5 (Cell)  | 0.274                     | 0.071                                       | 0.051                                  | 0.128                                | 0.524        |
|               | LTE Band 66 (AWS)  | 1.075                     | 0.071                                       | 0.051                                  | 0.128                                | <b>1.325</b> |
|               | LTE Band 25 (PCS)  | 1.019                     | 0.071                                       | 0.051                                  | 0.128                                | 1.269        |
|               | LTE Band 30        | 0.473                     | 0.071                                       | 0.051                                  | 0.128                                | 0.723        |
|               | LTE Band 7         | 0.570                     | 0.071                                       | 0.051                                  | 0.128                                | 0.820        |
|               | LTE Band 48        | 0.185                     | 0.071                                       | 0.051                                  | 0.128                                | 0.435        |
|               | LTE Band 41        | 0.451                     | 0.071                                       | 0.051                                  | 0.128                                | 0.701        |
|               | NR Band n71        | 0.368                     | 0.071                                       | 0.051                                  | 0.128                                | 0.618        |
|               | NR Band n12        | 0.433                     | 0.071                                       | 0.051                                  | 0.128                                | 0.683        |
|               | NR Band n5 (Cell)  | 0.268                     | 0.071                                       | 0.051                                  | 0.128                                | 0.518        |
|               | NR Band n66 (AWS)  | 0.863                     | 0.071                                       | 0.051                                  | 0.128                                | 0.985        |
|               | NR Band n25 (PCS)  | 0.722                     | 0.071                                       | 0.051                                  | 0.128                                | 0.972        |
|               | NR Band n30        | 0.578                     | 0.071                                       | 0.051                                  | 0.128                                | 0.700        |
|               | NR Band n41        | 0.233                     | 0.071                                       | 0.051                                  | 0.128                                | 0.355        |
|               | NR Band n77 DoD    | 0.210                     | 0.071                                       | 0.051                                  | 0.128                                | 0.332        |
|               | NR Band n77        | 0.261                     | 0.071                                       | 0.051                                  | 0.128                                | 0.383        |

|                                                    |                                                                                                                                                 |                                                                                                                    |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset                                                                               | Page 260 of 337                        |



**Table 12-25**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN, and 5 GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|-------------------------------|----------------------------|--------------|
|               |                    | 1                      | 2                                  | 3                             | 4                          | 1+2+3+4      |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.071                              | 0.051                         | 0.148                      | 0.504        |
|               | PCS CDMA           | 1.017                  | 0.071                              | 0.051                         | 0.148                      | 1.287        |
|               | GSM 850            | 0.136                  | 0.071                              | 0.051                         | 0.148                      | 0.406        |
|               | GSM 1900           | 0.332                  | 0.071                              | 0.051                         | 0.148                      | 0.602        |
|               | UMTS 850           | 0.215                  | 0.071                              | 0.051                         | 0.148                      | 0.485        |
|               | UMTS 1750          | 0.560                  | 0.071                              | 0.051                         | 0.148                      | 0.830        |
|               | UMTS 1900          | 0.462                  | 0.071                              | 0.051                         | 0.148                      | 0.732        |
|               | LTE Band 71        | 0.368                  | 0.071                              | 0.051                         | 0.148                      | 0.638        |
|               | LTE Band 12        | 0.272                  | 0.071                              | 0.051                         | 0.148                      | 0.542        |
|               | LTE Band 13        | 0.224                  | 0.071                              | 0.051                         | 0.148                      | 0.494        |
|               | LTE Band 14        | 0.283                  | 0.071                              | 0.051                         | 0.148                      | 0.553        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.071                              | 0.051                         | 0.148                      | 0.518        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.071                              | 0.051                         | 0.148                      | 0.544        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.071                              | 0.051                         | 0.148                      | <b>1.345</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.071                              | 0.051                         | 0.148                      | 1.289        |
|               | LTE Band 30        | 0.473                  | 0.071                              | 0.051                         | 0.148                      | 0.743        |
|               | LTE Band 7         | 0.570                  | 0.071                              | 0.051                         | 0.148                      | 0.840        |
|               | LTE Band 48        | 0.185                  | 0.071                              | 0.051                         | 0.148                      | 0.455        |
|               | LTE Band 41        | 0.451                  | 0.071                              | 0.051                         | 0.148                      | 0.721        |
|               | NR Band n71        | 0.368                  | 0.071                              | 0.051                         | 0.148                      | 0.638        |
|               | NR Band n12        | 0.433                  | 0.071                              | 0.051                         | 0.148                      | 0.703        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.071                              | 0.051                         | 0.148                      | 0.538        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.071                              | 0.051                         | 0.148                      | 1.133        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.071                              | 0.051                         | 0.148                      | 0.992        |
|               | NR Band n30        | 0.578                  | 0.071                              | 0.051                         | 0.148                      | 0.700        |
|               | NR Band n41        | 0.233                  | 0.071                              | 0.051                         | 0.148                      | 0.355        |
|               | NR Band n77 DoD    | 0.210                  | 0.071                              | 0.051                         | 0.148                      | 0.332        |
|               | NR Band n77        | 0.261                  | 0.071                              | 0.051                         | 0.148                      | 0.383        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 12-26**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN and 5 GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz WLAN MIMO SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------|----------------------------|--------------|
|               |                    | 1                      | 2                            | 3                          | 1+2+3        |
| Body-Worn SAR | Cell. CDMA         | 0.234                  | 0.253                        | 0.148                      | 0.635        |
|               | PCS CDMA           | 1.017                  | 0.253                        | 0.148                      | 1.418        |
|               | GSM 850            | 0.136                  | 0.253                        | 0.148                      | 0.537        |
|               | GSM 1900           | 0.332                  | 0.253                        | 0.148                      | 0.733        |
|               | UMTS 850           | 0.215                  | 0.253                        | 0.148                      | 0.616        |
|               | UMTS 1750          | 0.560                  | 0.253                        | 0.148                      | 0.961        |
|               | UMTS 1900          | 0.462                  | 0.253                        | 0.148                      | 0.863        |
|               | LTE Band 71        | 0.368                  | 0.253                        | 0.148                      | 0.769        |
|               | LTE Band 12        | 0.272                  | 0.253                        | 0.148                      | 0.673        |
|               | LTE Band 13        | 0.224                  | 0.253                        | 0.148                      | 0.625        |
|               | LTE Band 14        | 0.283                  | 0.253                        | 0.148                      | 0.684        |
|               | LTE Band 26 (Cell) | 0.248                  | 0.253                        | 0.148                      | 0.649        |
|               | LTE Band 5 (Cell)  | 0.274                  | 0.253                        | 0.148                      | 0.675        |
|               | LTE Band 66 (AWS)  | 1.075                  | 0.253                        | 0.148                      | <b>1.476</b> |
|               | LTE Band 25 (PCS)  | 1.019                  | 0.253                        | 0.148                      | 1.420        |
|               | LTE Band 30        | 0.473                  | 0.253                        | 0.148                      | 0.874        |
|               | LTE Band 7         | 0.570                  | 0.253                        | 0.148                      | 0.971        |
|               | LTE Band 48        | 0.185                  | 0.253                        | 0.148                      | 0.586        |
|               | LTE Band 41        | 0.451                  | 0.253                        | 0.148                      | 0.852        |
|               | NR Band n71        | 0.368                  | 0.253                        | 0.148                      | 0.769        |
|               | NR Band n12        | 0.433                  | 0.253                        | 0.148                      | 0.834        |
|               | NR Band n5 (Cell)  | 0.268                  | 0.253                        | 0.148                      | 0.669        |
|               | NR Band n66 (AWS)  | 0.863                  | 0.253                        | 0.148                      | 1.264        |
|               | NR Band n25 (PCS)  | 0.722                  | 0.253                        | 0.148                      | 1.123        |
|               | NR Band n30        | 0.578                  | 0.253                        | 0.148                      | 0.979        |
|               | NR Band n41        | 0.233                  | 0.253                        | 0.148                      | 0.634        |
|               | NR Band n77 DoD    | 0.210                  | 0.253                        | 0.148                      | 0.611        |
|               | NR Band n77        | 0.261                  | 0.253                        | 0.148                      | 0.662        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 262 of 337                 |

## 12.5 Open Hotspot SAR Simultaneous Transmission Analysis

Table 12-27

Simultaneous Transmission Scenario with 5 GHz WLAN Antenna 1 (Hotspot at 1.0 cm)

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|-----------------------------------|--------------|
|               |                    | 1                      | 2                                 | 1+2          |
| Hotspot SAR   | Cell. EVDO         | 0.445                  | 0.231                             | 0.676        |
|               | PCS EVDO           | 0.595                  | 0.231                             | 0.826        |
|               | GPRS 850           | 0.221                  | 0.231                             | 0.452        |
|               | GPRS 1900          | 0.882                  | 0.231                             | 1.113        |
|               | UMTS 850           | 0.392                  | 0.231                             | 0.623        |
|               | UMTS 1750          | 0.770                  | 0.231                             | 1.001        |
|               | UMTS 1900          | 0.896                  | 0.231                             | 1.127        |
|               | LTE Band 71        | 0.302                  | 0.231                             | 0.533        |
|               | LTE Band 12        | 0.286                  | 0.231                             | 0.517        |
|               | LTE Band 13        | 0.341                  | 0.231                             | 0.572        |
|               | LTE Band 14        | 0.337                  | 0.231                             | 0.568        |
|               | LTE Band 26 (Cell) | 0.299                  | 0.231                             | 0.530        |
|               | LTE Band 5 (Cell)  | 0.388                  | 0.231                             | 0.619        |
|               | LTE Band 66 (AWS)  | 0.796                  | 0.231                             | 1.027        |
|               | LTE Band 25 (PCS)  | 1.115                  | 0.231                             | <b>1.346</b> |
|               | LTE Band 30        | 0.747                  | 0.231                             | 0.978        |
|               | LTE Band 7         | 0.420                  | 0.231                             | 0.651        |
|               | LTE Band 48        | 0.183                  | 0.231                             | 0.414        |
|               | LTE Band 41        | 0.448                  | 0.231                             | 0.679        |

| Configuration | Mode              | 5G SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 1 at 14<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|------------------|------------------------------------------------|--------------|
|               |                   | 1                | 2                                              | 1+2          |
| Hotspot SAR   | NR Band n71       | 0.299            | 0.022                                          | 0.321        |
|               | NR Band n12       | 0.327            | 0.022                                          | 0.349        |
|               | NR Band n5 (Cell) | 0.413            | 0.022                                          | 0.435        |
|               | NR Band n66 (AWS) | 0.845            | 0.022                                          | 0.867        |
|               | NR Band n25 (PCS) | 0.589            | 0.022                                          | 0.611        |
|               | NR Band n30       | 0.896            | 0.022                                          | <b>0.918</b> |
|               | NR Band n41       | 0.489            | 0.022                                          | 0.511        |
|               | NR Band n77 DoD   | 0.370            | 0.022                                          | 0.392        |
|               | NR Band n77       | 0.381            | 0.022                                          | 0.403        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 263 of 337                        |

**Table 12-28**  
**Simultaneous Transmission Scenario with 5 GHz MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 5 GHz WLAN<br>MIMO SAR<br>(W/kg)              | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|-----------------------------------------------|--------------|
|               |                    | 1                      | 2                                             | 1+2          |
| Hotspot SAR   | Cell. EVDO         | 0.445                  | 0.289                                         | 0.734        |
|               | PCS EVDO           | 0.595                  | 0.289                                         | 0.884        |
|               | GPRS 850           | 0.221                  | 0.289                                         | 0.510        |
|               | GPRS 1900          | 0.882                  | 0.289                                         | 1.171        |
|               | UMTS 850           | 0.392                  | 0.289                                         | 0.681        |
|               | UMTS 1750          | 0.770                  | 0.289                                         | 1.059        |
|               | UMTS 1900          | 0.896                  | 0.289                                         | 1.185        |
|               | LTE Band 71        | 0.302                  | 0.289                                         | 0.591        |
|               | LTE Band 12        | 0.286                  | 0.289                                         | 0.575        |
|               | LTE Band 13        | 0.341                  | 0.289                                         | 0.630        |
|               | LTE Band 14        | 0.337                  | 0.289                                         | 0.626        |
|               | LTE Band 26 (Cell) | 0.299                  | 0.289                                         | 0.588        |
|               | LTE Band 5 (Cell)  | 0.388                  | 0.289                                         | 0.677        |
|               | LTE Band 66 (AWS)  | 0.796                  | 0.289                                         | 1.085        |
|               | LTE Band 25 (PCS)  | 1.115                  | 0.289                                         | <b>1.404</b> |
|               | LTE Band 30        | 0.747                  | 0.289                                         | 1.036        |
|               | LTE Band 7         | 0.420                  | 0.289                                         | 0.709        |
|               | LTE Band 48        | 0.183                  | 0.289                                         | 0.472        |
|               | LTE Band 41        | 0.448                  | 0.289                                         | 0.737        |
| Configuration | Mode               | 5G SAR<br>(W/kg)       | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg) |
|               |                    | 1                      | 2                                             | 1+2          |
| Hotspot SAR   | NR Band n71        | 0.299                  | 0.078                                         | 0.377        |
|               | NR Band n12        | 0.327                  | 0.078                                         | 0.405        |
|               | NR Band n5 (Cell)  | 0.413                  | 0.078                                         | 0.491        |
|               | NR Band n66 (AWS)  | 0.845                  | 0.078                                         | 0.923        |
|               | NR Band n25 (PCS)  | 0.589                  | 0.078                                         | 0.667        |
|               | NR Band n30        | 0.896                  | 0.078                                         | <b>0.974</b> |
|               | NR Band n41        | 0.489                  | 0.078                                         | 0.567        |
|               | NR Band n77 DoD    | 0.370                  | 0.078                                         | 0.448        |
|               | NR Band n77        | 0.381                  | 0.078                                         | 0.459        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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**Table 12-29**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>WLAN MIMO<br>SAR (W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|------------------------|------------------------------------|-----------------|
|               |                    | 1                      | 2                                  | 1+2             |
| Hotspot SAR   | Cell. EVDO         | 0.445                  | 0.546                              | 0.991           |
|               | PCS EVDO           | 0.595                  | 0.546                              | 1.141           |
|               | GPRS 850           | 0.221                  | 0.546                              | 0.767           |
|               | GPRS 1900          | 0.882                  | 0.546                              | 1.428           |
|               | UMTS 850           | 0.392                  | 0.546                              | 0.938           |
|               | UMTS 1750          | 0.770                  | 0.546                              | 1.316           |
|               | UMTS 1900          | 0.896                  | 0.546                              | <b>1.442</b>    |
|               | LTE Band 71        | 0.302                  | 0.546                              | 0.848           |
|               | LTE Band 12        | 0.286                  | 0.546                              | 0.832           |
|               | LTE Band 13        | 0.341                  | 0.546                              | 0.887           |
|               | LTE Band 14        | 0.337                  | 0.546                              | 0.883           |
|               | LTE Band 26 (Cell) | 0.299                  | 0.546                              | 0.845           |
|               | LTE Band 5 (Cell)  | 0.388                  | 0.546                              | 0.934           |
|               | LTE Band 66 (AWS)  | 0.796                  | 0.546                              | 1.342           |
|               | LTE Band 25 (PCS)  | 1.115                  | 0.546                              | See Table Below |
|               | LTE Band 30        | 0.747                  | 0.546                              | 1.293           |
|               | LTE Band 7         | 0.420                  | 0.546                              | 0.966           |
|               | LTE Band 48        | 0.183                  | 0.546                              | 0.729           |
|               | LTE Band 41        | 0.448                  | 0.546                              | 0.994           |

| Simult Tx      | Configuration | LTE Band<br>25 (PCS)<br>SAR (W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|----------------|---------------|------------------------------------|---------------------------------------|-----------------|
|                |               | 1                                  | 2                                     | 1+2             |
| Hotspot<br>SAR | Back          | 0.574                              | 0.546                                 | <b>1.120</b>    |
|                | Front         | 0.389                              | 0.439                                 | 0.828           |
|                | Top           | -                                  | 0.546*                                | 0.546           |
|                | Bottom        | 1.115                              | -                                     | 1.115           |
|                | Right         | 0.063                              | 0.147                                 | 0.210           |
|                | Left          | 0.047                              | 0.546*                                | 0.593           |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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| Configuration | Mode              | 5G SAR<br>(W/kg) | 2.4 GHz<br>WLAN MIMO<br>at 17 dBm<br>SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|------------------|-------------------------------------------------|--------------|
|               |                   | 1                | 2                                               | 1+2          |
| Hotspot SAR   | NR Band n71       | 0.299            | 0.089                                           | 0.388        |
|               | NR Band n12       | 0.327            | 0.089                                           | 0.416        |
|               | NR Band n5 (Cell) | 0.413            | 0.089                                           | 0.502        |
|               | NR Band n66 (AWS) | 0.845            | 0.089                                           | 0.934        |
|               | NR Band n25 (PCS) | 0.589            | 0.089                                           | 0.678        |
|               | NR Band n30       | 0.896            | 0.089                                           | <b>0.985</b> |
|               | NR Band n41       | 0.489            | 0.089                                           | 0.578        |
|               | NR Band n77 DoD   | 0.370            | 0.089                                           | 0.459        |
|               | NR Band n77       | 0.381            | 0.089                                           | 0.470        |

|                                             |                                                                                                                                                                                                        |                               |                                 |
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| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 266 of 337                 |

**Table 12-30**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|--------------|
|               |                    | 1                         | 2                                           | 1+2          |
| Hotspot SAR   | Cell. EVDO         | 0.445                     | 0.153                                       | 0.598        |
|               | PCS EVDO           | 0.595                     | 0.153                                       | 0.748        |
|               | GPRS 850           | 0.221                     | 0.153                                       | 0.374        |
|               | GPRS 1900          | 0.882                     | 0.153                                       | 1.035        |
|               | UMTS 850           | 0.392                     | 0.153                                       | 0.545        |
|               | UMTS 1750          | 0.770                     | 0.153                                       | 0.923        |
|               | UMTS 1900          | 0.896                     | 0.153                                       | 1.049        |
|               | LTE Band 71        | 0.302                     | 0.153                                       | 0.455        |
|               | LTE Band 12        | 0.286                     | 0.153                                       | 0.439        |
|               | LTE Band 13        | 0.341                     | 0.153                                       | 0.494        |
|               | LTE Band 14        | 0.337                     | 0.153                                       | 0.490        |
|               | LTE Band 26 (Cell) | 0.299                     | 0.153                                       | 0.452        |
|               | LTE Band 5 (Cell)  | 0.388                     | 0.153                                       | 0.541        |
|               | LTE Band 66 (AWS)  | 0.796                     | 0.153                                       | 0.949        |
|               | LTE Band 25 (PCS)  | 1.115                     | 0.153                                       | <b>1.268</b> |
|               | LTE Band 30        | 0.747                     | 0.153                                       | 0.900        |
|               | LTE Band 7         | 0.420                     | 0.153                                       | 0.573        |
|               | LTE Band 48        | 0.183                     | 0.153                                       | 0.336        |
|               | LTE Band 41        | 0.448                     | 0.153                                       | 0.601        |
|               | NR Band n71        | 0.299                     | 0.153                                       | 0.452        |
|               | NR Band n12        | 0.327                     | 0.153                                       | 0.480        |
|               | NR Band n5 (Cell)  | 0.413                     | 0.153                                       | 0.566        |
|               | NR Band n66 (AWS)  | 0.845                     | 0.153                                       | 0.998        |
|               | NR Band n25 (PCS)  | 0.589                     | 0.153                                       | 0.742        |
|               | NR Band n30        | 0.896                     | 0.153                                       | 1.049        |
|               | NR Band n41        | 0.489                     | 0.153                                       | 0.642        |
|               | NR Band n77 DoD    | 0.370                     | 0.153                                       | 0.523        |
|               | NR Band n77        | 0.381                     | 0.153                                       | 0.534        |

|                                                    |                                                                                                                                         |                                      |                                                                                       |                                        |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                               | <b>DUT Type:</b><br>Portable Handset | Page 267 of 337                                                                       |                                        |

**Table 12-31**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>2 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|---------------------|
|               |                    | 1                         | 2                                           | 1+2                 |
| Hotspot SAR   | Cell. EVDO         | 0.445                     | 0.166                                       | 0.611               |
|               | PCS EVDO           | 0.595                     | 0.166                                       | 0.761               |
|               | GPRS 850           | 0.221                     | 0.166                                       | 0.387               |
|               | GPRS 1900          | 0.882                     | 0.166                                       | 1.048               |
|               | UMTS 850           | 0.392                     | 0.166                                       | 0.558               |
|               | UMTS 1750          | 0.770                     | 0.166                                       | 0.936               |
|               | UMTS 1900          | 0.896                     | 0.166                                       | 1.062               |
|               | LTE Band 71        | 0.302                     | 0.166                                       | 0.468               |
|               | LTE Band 12        | 0.286                     | 0.166                                       | 0.452               |
|               | LTE Band 13        | 0.341                     | 0.166                                       | 0.507               |
|               | LTE Band 14        | 0.337                     | 0.166                                       | 0.503               |
|               | LTE Band 26 (Cell) | 0.299                     | 0.166                                       | 0.465               |
|               | LTE Band 5 (Cell)  | 0.388                     | 0.166                                       | 0.554               |
|               | LTE Band 66 (AWS)  | 0.796                     | 0.166                                       | 0.962               |
|               | LTE Band 25 (PCS)  | 1.115                     | 0.166                                       | <b>1.281</b>        |
|               | LTE Band 30        | 0.747                     | 0.166                                       | 0.913               |
|               | LTE Band 7         | 0.420                     | 0.166                                       | 0.586               |
|               | LTE Band 48        | 0.183                     | 0.166                                       | 0.349               |
|               | LTE Band 41        | 0.448                     | 0.166                                       | 0.614               |
|               | NR Band n71        | 0.299                     | 0.166                                       | 0.465               |
|               | NR Band n12        | 0.327                     | 0.166                                       | 0.493               |
|               | NR Band n5 (Cell)  | 0.413                     | 0.166                                       | 0.579               |
|               | NR Band n66 (AWS)  | 0.845                     | 0.166                                       | 1.011               |
|               | NR Band n25 (PCS)  | 0.589                     | 0.166                                       | 0.755               |
|               | NR Band n30        | 0.896                     | 0.166                                       | 1.062               |
|               | NR Band n41        | 0.489                     | 0.166                                       | 0.655               |
|               | NR Band n77 DoD    | 0.370                     | 0.166                                       | 0.536               |
|               | NR Band n77        | 0.381                     | 0.166                                       | 0.547               |

|                                             |                                                                                                                                                                                                        |                                 |
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| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
|                                             |                                                                                                                                                                                                        | Page 268 of 337                 |



Table 12-32

Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5 GHz Antenna 1 WLAN (Hotspot at 1.0 cm)

| Configuration | Mode               | 2G/3G/4G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg)           | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------|------------------------------------|---------------------------------------|---------------------|
|               |                    | 1                   | 2                                  | 3                                     | 1+2+3               |
| Hotspot SAR   | Cell. EVDO         | 0.445               | 0.153                              | 0.231                                 | 0.829               |
|               | PCS EVDO           | 0.595               | 0.153                              | 0.231                                 | 0.979               |
|               | GPRS 850           | 0.221               | 0.153                              | 0.231                                 | 0.605               |
|               | GPRS 1900          | 0.882               | 0.153                              | 0.231                                 | 1.266               |
|               | UMTS 850           | 0.392               | 0.153                              | 0.231                                 | 0.776               |
|               | UMTS 1750          | 0.770               | 0.153                              | 0.231                                 | 1.154               |
|               | UMTS 1900          | 0.896               | 0.153                              | 0.231                                 | 1.280               |
|               | LTE Band 71        | 0.302               | 0.153                              | 0.231                                 | 0.686               |
|               | LTE Band 12        | 0.286               | 0.153                              | 0.231                                 | 0.670               |
|               | LTE Band 13        | 0.341               | 0.153                              | 0.231                                 | 0.725               |
|               | LTE Band 14        | 0.337               | 0.153                              | 0.231                                 | 0.721               |
|               | LTE Band 26 (Cell) | 0.299               | 0.153                              | 0.231                                 | 0.683               |
|               | LTE Band 5 (Cell)  | 0.388               | 0.153                              | 0.231                                 | 0.772               |
|               | LTE Band 66 (AWS)  | 0.796               | 0.153                              | 0.231                                 | 1.180               |
|               | LTE Band 25 (PCS)  | 1.115               | 0.153                              | 0.231                                 | <b>1.499</b>        |
|               | LTE Band 30        | 0.747               | 0.153                              | 0.231                                 | 1.131               |
|               | LTE Band 7         | 0.420               | 0.153                              | 0.231                                 | 0.804               |
|               | LTE Band 48        | 0.183               | 0.153                              | 0.231                                 | 0.567               |
|               | LTE Band 41        | 0.448               | 0.153                              | 0.231                                 | 0.832               |
| Configuration | Mode               | 5G SAR (W/kg)       | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|               |                    | 1                   | 2                                  | 3                                     | 1+2+3               |
| Hotspot SAR   | NR Band n71        | 0.299               | 0.153                              | 0.022                                 | 0.474               |
|               | NR Band n12        | 0.327               | 0.153                              | 0.022                                 | 0.502               |
|               | NR Band n5 (Cell)  | 0.413               | 0.153                              | 0.022                                 | 0.588               |
|               | NR Band n66 (AWS)  | 0.845               | 0.153                              | 0.022                                 | 1.020               |
|               | NR Band n25 (PCS)  | 0.589               | 0.153                              | 0.022                                 | 0.764               |
|               | NR Band n30        | 0.896               | 0.153                              | 0.022                                 | <b>1.071</b>        |
|               | NR Band n41        | 0.489               | 0.153                              | 0.022                                 | 0.664               |
|               | NR Band n77 DoD    | 0.370               | 0.153                              | 0.022                                 | 0.545               |
|               | NR Band n77        | 0.381               | 0.153                              | 0.022                                 | 0.556               |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 269 of 337                 |

Table 12-33

**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5 GHz Antenna 1 WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg)          | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------|------------------------------------|--------------------------------------|---------------------|
|               |                    | 1                   | 2                                  | 3                                    | 1+2+3               |
| Hotspot SAR   | Cell. EVDO         | 0.445               | 0.166                              | 0.231                                | 0.842               |
|               | PCS EVDO           | 0.595               | 0.166                              | 0.231                                | 0.992               |
|               | GPRS 850           | 0.221               | 0.166                              | 0.231                                | 0.618               |
|               | GPRS 1900          | 0.882               | 0.166                              | 0.231                                | 1.279               |
|               | UMTS 850           | 0.392               | 0.166                              | 0.231                                | 0.789               |
|               | UMTS 1750          | 0.770               | 0.166                              | 0.231                                | 1.167               |
|               | UMTS 1900          | 0.896               | 0.166                              | 0.231                                | 1.293               |
|               | LTE Band 71        | 0.302               | 0.166                              | 0.231                                | 0.699               |
|               | LTE Band 12        | 0.286               | 0.166                              | 0.231                                | 0.683               |
|               | LTE Band 13        | 0.341               | 0.166                              | 0.231                                | 0.738               |
|               | LTE Band 14        | 0.337               | 0.166                              | 0.231                                | 0.734               |
|               | LTE Band 26 (Cell) | 0.299               | 0.166                              | 0.231                                | 0.696               |
|               | LTE Band 5 (Cell)  | 0.388               | 0.166                              | 0.231                                | 0.785               |
|               | LTE Band 66 (AWS)  | 0.796               | 0.166                              | 0.231                                | 1.193               |
|               | LTE Band 25 (PCS)  | 1.115               | 0.166                              | 0.231                                | <b>1.512</b>        |
|               | LTE Band 30        | 0.747               | 0.166                              | 0.231                                | 1.144               |
|               | LTE Band 7         | 0.420               | 0.166                              | 0.231                                | 0.817               |
|               | LTE Band 48        | 0.183               | 0.166                              | 0.231                                | 0.580               |
|               | LTE Band 41        | 0.448               | 0.166                              | 0.231                                | 0.845               |
| Configuration | Mode               | 5G SAR (W/kg)       | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|               |                    | 1                   | 2                                  | 3                                    | 1+2+3               |
| Hotspot SAR   | NR Band n71        | 0.299               | 0.166                              | 0.078                                | 0.543               |
|               | NR Band n12        | 0.327               | 0.166                              | 0.078                                | 0.571               |
|               | NR Band n5 (Cell)  | 0.413               | 0.166                              | 0.078                                | 0.657               |
|               | NR Band n66 (AWS)  | 0.845               | 0.166                              | 0.078                                | 1.089               |
|               | NR Band n25 (PCS)  | 0.589               | 0.166                              | 0.078                                | 0.833               |
|               | NR Band n30        | 0.896               | 0.166                              | 0.078                                | <b>1.140</b>        |
|               | NR Band n41        | 0.489               | 0.166                              | 0.078                                | 0.733               |
|               | NR Band n77 DoD    | 0.370               | 0.166                              | 0.078                                | 0.614               |
|               | NR Band n77        | 0.381               | 0.166                              | 0.078                                | 0.625               |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 270 of 337                        |

**Table 12-34**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5GHz MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg)           | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------|------------------------------------|--------------------------------------|---------------------|
|               |                    | 1                   | 2                                  | 3                                    | 1+2+3               |
| Hotspot SAR   | Cell. EVDO         | 0.445               | 0.153                              | 0.289                                | 0.887               |
|               | PCS EVDO           | 0.595               | 0.153                              | 0.289                                | 1.037               |
|               | GPRS 850           | 0.221               | 0.153                              | 0.289                                | 0.663               |
|               | GPRS 1900          | 0.882               | 0.153                              | 0.289                                | 1.324               |
|               | UMTS 850           | 0.392               | 0.153                              | 0.289                                | 0.834               |
|               | UMTS 1750          | 0.770               | 0.153                              | 0.289                                | 1.212               |
|               | UMTS 1900          | 0.896               | 0.153                              | 0.289                                | 1.338               |
|               | LTE Band 71        | 0.302               | 0.153                              | 0.289                                | 0.744               |
|               | LTE Band 12        | 0.286               | 0.153                              | 0.289                                | 0.728               |
|               | LTE Band 13        | 0.341               | 0.153                              | 0.289                                | 0.783               |
|               | LTE Band 14        | 0.337               | 0.153                              | 0.289                                | 0.779               |
|               | LTE Band 26 (Cell) | 0.299               | 0.153                              | 0.289                                | 0.741               |
|               | LTE Band 5 (Cell)  | 0.388               | 0.153                              | 0.289                                | 0.830               |
|               | LTE Band 66 (AWS)  | 0.796               | 0.153                              | 0.289                                | 1.238               |
|               | LTE Band 25 (PCS)  | 1.115               | 0.153                              | 0.289                                | <b>1.557</b>        |
|               | LTE Band 30        | 0.747               | 0.153                              | 0.289                                | 1.189               |
|               | LTE Band 7         | 0.420               | 0.153                              | 0.289                                | 0.862               |
|               | LTE Band 48        | 0.183               | 0.153                              | 0.289                                | 0.625               |
|               | LTE Band 41        | 0.448               | 0.153                              | 0.289                                | 0.890               |
| Configuration | Mode               | 5G SAR (W/kg)       | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|               |                    | 1                   | 2                                  | 3                                    | 1+2+3               |
| Hotspot SAR   | NR Band n71        | 0.299               | 0.153                              | 0.078                                | 0.530               |
|               | NR Band n12        | 0.327               | 0.153                              | 0.078                                | 0.558               |
|               | NR Band n5 (Cell)  | 0.413               | 0.153                              | 0.078                                | 0.644               |
|               | NR Band n66 (AWS)  | 0.845               | 0.153                              | 0.078                                | 1.076               |
|               | NR Band n25 (PCS)  | 0.589               | 0.153                              | 0.078                                | 0.820               |
|               | NR Band n30        | 0.896               | 0.153                              | 0.078                                | <b>1.127</b>        |
|               | NR Band n41        | 0.489               | 0.153                              | 0.078                                | 0.720               |
|               | NR Band n77 DoD    | 0.370               | 0.153                              | 0.078                                | 0.601               |
|               | NR Band n77        | 0.381               | 0.153                              | 0.078                                | 0.612               |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 271 of 337                 |

**Table 12-35**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5GHz MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg)           | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------|------------------------------------|--------------------------------------|---------------------|
|               |                    | 1                   | 2                                  | 3                                    | 1+2+3               |
| Hotspot SAR   | Cell. EVDO         | 0.445               | 0.166                              | 0.289                                | 0.900               |
|               | PCS EVDO           | 0.595               | 0.166                              | 0.289                                | 1.050               |
|               | GPRS 850           | 0.221               | 0.166                              | 0.289                                | 0.676               |
|               | GPRS 1900          | 0.882               | 0.166                              | 0.289                                | 1.337               |
|               | UMTS 850           | 0.392               | 0.166                              | 0.289                                | 0.847               |
|               | UMTS 1750          | 0.770               | 0.166                              | 0.289                                | 1.225               |
|               | UMTS 1900          | 0.896               | 0.166                              | 0.289                                | 1.351               |
|               | LTE Band 71        | 0.302               | 0.166                              | 0.289                                | 0.757               |
|               | LTE Band 12        | 0.286               | 0.166                              | 0.289                                | 0.741               |
|               | LTE Band 13        | 0.341               | 0.166                              | 0.289                                | 0.796               |
|               | LTE Band 14        | 0.337               | 0.166                              | 0.289                                | 0.792               |
|               | LTE Band 26 (Cell) | 0.299               | 0.166                              | 0.289                                | 0.754               |
|               | LTE Band 5 (Cell)  | 0.388               | 0.166                              | 0.289                                | 0.843               |
|               | LTE Band 66 (AWS)  | 0.796               | 0.166                              | 0.289                                | 1.251               |
|               | LTE Band 25 (PCS)  | 1.115               | 0.166                              | 0.289                                | <b>1.570</b>        |
|               | LTE Band 30        | 0.747               | 0.166                              | 0.289                                | 1.202               |
|               | LTE Band 7         | 0.420               | 0.166                              | 0.289                                | 0.875               |
|               | LTE Band 48        | 0.183               | 0.166                              | 0.289                                | 0.638               |
|               | LTE Band 41        | 0.448               | 0.166                              | 0.289                                | 0.903               |
| Configuration | Mode               | 5G SAR (W/kg)       | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|               |                    | 1                   | 2                                  | 3                                    | 1+2+3               |
| Hotspot SAR   | NR Band n71        | 0.299               | 0.166                              | 0.078                                | 0.543               |
|               | NR Band n12        | 0.327               | 0.166                              | 0.078                                | 0.571               |
|               | NR Band n5 (Cell)  | 0.413               | 0.166                              | 0.078                                | 0.657               |
|               | NR Band n66 (AWS)  | 0.845               | 0.166                              | 0.078                                | 1.089               |
|               | NR Band n25 (PCS)  | 0.589               | 0.166                              | 0.078                                | 0.833               |
|               | NR Band n30        | 0.896               | 0.166                              | 0.078                                | <b>1.140</b>        |
|               | NR Band n41        | 0.489               | 0.166                              | 0.078                                | 0.733               |
|               | NR Band n77 DoD    | 0.370               | 0.166                              | 0.078                                | 0.614               |
|               | NR Band n77        | 0.381               | 0.166                              | 0.078                                | 0.625               |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 272 of 337                                                                       |                                        |

**Table 12-36**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 2.4 GHz WLAN Antenna 2**  
**(Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant 2<br>SAR (W/kg)              | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|---------------------------------------------|--------------------------------------------------|--------------|
|               |                    | 1                      | 2                                           | 3                                                | 1+2+3        |
| Hotspot SAR   | Cell. EVDO         | 0.445                  | 0.153                                       | 0.128                                            | 0.726        |
|               | PCS EVDO           | 0.595                  | 0.153                                       | 0.128                                            | 0.876        |
|               | GPRS 850           | 0.221                  | 0.153                                       | 0.128                                            | 0.502        |
|               | GPRS 1900          | 0.882                  | 0.153                                       | 0.128                                            | 1.163        |
|               | UMTS 850           | 0.392                  | 0.153                                       | 0.128                                            | 0.673        |
|               | UMTS 1750          | 0.770                  | 0.153                                       | 0.128                                            | 1.051        |
|               | UMTS 1900          | 0.896                  | 0.153                                       | 0.128                                            | 1.177        |
|               | LTE Band 71        | 0.302                  | 0.153                                       | 0.128                                            | 0.583        |
|               | LTE Band 12        | 0.286                  | 0.153                                       | 0.128                                            | 0.567        |
|               | LTE Band 13        | 0.341                  | 0.153                                       | 0.128                                            | 0.622        |
|               | LTE Band 14        | 0.337                  | 0.153                                       | 0.128                                            | 0.618        |
|               | LTE Band 26 (Cell) | 0.299                  | 0.153                                       | 0.128                                            | 0.580        |
|               | LTE Band 5 (Cell)  | 0.388                  | 0.153                                       | 0.128                                            | 0.669        |
|               | LTE Band 66 (AWS)  | 0.796                  | 0.153                                       | 0.128                                            | 1.077        |
|               | LTE Band 25 (PCS)  | 1.115                  | 0.153                                       | 0.128                                            | <b>1.396</b> |
|               | LTE Band 30        | 0.747                  | 0.153                                       | 0.128                                            | 1.028        |
|               | LTE Band 7         | 0.420                  | 0.153                                       | 0.128                                            | 0.701        |
|               | LTE Band 48        | 0.183                  | 0.153                                       | 0.128                                            | 0.464        |
|               | LTE Band 41        | 0.448                  | 0.153                                       | 0.128                                            | 0.729        |
| Configuration | Mode               | 5G SAR<br>(W/kg)       | 2.4 GHz<br>Bluetooth Ant<br>1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/Kg) | Σ SAR (W/kg) |
|               |                    | 1                      | 2                                           | 3                                                | 1+2+3        |
| Hotspot SAR   | NR Band n71        | 0.299                  | 0.153                                       | 0.086                                            | 0.538        |
|               | NR Band n12        | 0.327                  | 0.153                                       | 0.086                                            | 0.566        |
|               | NR Band n5 (Cell)  | 0.413                  | 0.153                                       | 0.086                                            | 0.652        |
|               | NR Band n66 (AWS)  | 0.845                  | 0.153                                       | 0.086                                            | 1.084        |
|               | NR Band n25 (PCS)  | 0.589                  | 0.153                                       | 0.086                                            | 0.828        |
|               | NR Band n30        | 0.896                  | 0.153                                       | 0.086                                            | <b>1.135</b> |
|               | NR Band n41        | 0.489                  | 0.153                                       | 0.086                                            | 0.728        |
|               | NR Band n77 DoD    | 0.370                  | 0.153                                       | 0.086                                            | 0.609        |
|               | NR Band n77        | 0.381                  | 0.153                                       | 0.086                                            | 0.620        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 273 of 337                 |

**Table 12-37**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN,**  
**and 5 GHz Antenna 1 WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G /5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/Kg) | 5 GHz WLAN<br>Ant 1 at 14<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|----------------------------|------------------------------------------|--------------------------------------------------|------------------------------------------------|--------------|
|               |                    | 1                          | 2                                        | 3                                                | 4                                              | 1+2+3+4      |
| Hotspot SAR   | Cell. EVDO         | 0.445                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.706        |
|               | PCS EVDO           | 0.595                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.856        |
|               | GPRS 850           | 0.221                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.482        |
|               | GPRS 1900          | 0.882                      | 0.153                                    | 0.086                                            | 0.022                                          | 1.143        |
|               | UMTS 850           | 0.392                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.653        |
|               | UMTS 1750          | 0.770                      | 0.153                                    | 0.086                                            | 0.022                                          | 1.031        |
|               | UMTS 1900          | 0.896                      | 0.153                                    | 0.086                                            | 0.022                                          | 1.157        |
|               | LTE Band 71        | 0.302                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.563        |
|               | LTE Band 12        | 0.286                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.547        |
|               | LTE Band 13        | 0.341                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.602        |
|               | LTE Band 14        | 0.337                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.598        |
|               | LTE Band 26 (Cell) | 0.299                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.560        |
|               | LTE Band 5 (Cell)  | 0.388                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.649        |
|               | LTE Band 66 (AWS)  | 0.796                      | 0.153                                    | 0.086                                            | 0.022                                          | 1.057        |
|               | LTE Band 25 (PCS)  | 1.115                      | 0.153                                    | 0.086                                            | 0.022                                          | <b>1.376</b> |
|               | LTE Band 30        | 0.747                      | 0.153                                    | 0.086                                            | 0.022                                          | 1.008        |
|               | LTE Band 7         | 0.420                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.681        |
|               | LTE Band 48        | 0.183                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.444        |
|               | LTE Band 41        | 0.448                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.709        |
|               | NR Band n71        | 0.299                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.560        |
|               | NR Band n12        | 0.327                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.588        |
|               | NR Band n5 (Cell)  | 0.413                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.674        |
|               | NR Band n66 (AWS)  | 0.845                      | 0.153                                    | 0.086                                            | 0.022                                          | 1.106        |
|               | NR Band n25 (PCS)  | 0.589                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.850        |
|               | NR Band n30        | 0.896                      | 0.153                                    | 0.086                                            | 0.022                                          | 1.157        |
|               | NR Band n41        | 0.489                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.750        |
|               | NR Band n77 DoD    | 0.370                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.631        |
|               | NR Band n77        | 0.381                      | 0.153                                    | 0.086                                            | 0.022                                          | 0.642        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 274 of 337                 |

**Table 12-38**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN, and 5 GHz**  
**MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/Kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|------------------------------------------|--------------------------------------------------|-----------------------------------------------|--------------|
|               |                    | 1                         | 2                                        | 3                                                | 4                                             | 1+2+3+4      |
| Hotspot SAR   | Cell. EVDO         | 0.445                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.762        |
|               | PCS EVDO           | 0.595                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.912        |
|               | GPRS 850           | 0.221                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.538        |
|               | GPRS 1900          | 0.882                     | 0.153                                    | 0.086                                            | 0.078                                         | 1.199        |
|               | UMTS 850           | 0.392                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.709        |
|               | UMTS 1750          | 0.770                     | 0.153                                    | 0.086                                            | 0.078                                         | 1.087        |
|               | UMTS 1900          | 0.896                     | 0.153                                    | 0.086                                            | 0.078                                         | 1.213        |
|               | LTE Band 71        | 0.302                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.619        |
|               | LTE Band 12        | 0.286                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.603        |
|               | LTE Band 13        | 0.341                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.658        |
|               | LTE Band 14        | 0.337                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.654        |
|               | LTE Band 26 (Cell) | 0.299                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.616        |
|               | LTE Band 5 (Cell)  | 0.388                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.705        |
|               | LTE Band 66 (AWS)  | 0.796                     | 0.153                                    | 0.086                                            | 0.078                                         | 1.113        |
|               | LTE Band 25 (PCS)  | 1.115                     | 0.153                                    | 0.086                                            | 0.078                                         | <b>1.432</b> |
|               | LTE Band 30        | 0.747                     | 0.153                                    | 0.086                                            | 0.078                                         | 1.064        |
|               | LTE Band 7         | 0.420                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.737        |
|               | LTE Band 48        | 0.183                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.500        |
|               | LTE Band 41        | 0.448                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.765        |
|               | NR Band n71        | 0.299                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.616        |
|               | NR Band n12        | 0.327                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.644        |
|               | NR Band n5 (Cell)  | 0.413                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.730        |
|               | NR Band n66 (AWS)  | 0.845                     | 0.153                                    | 0.086                                            | 0.078                                         | 1.162        |
|               | NR Band n25 (PCS)  | 0.589                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.906        |
|               | NR Band n30        | 0.896                     | 0.153                                    | 0.086                                            | 0.078                                         | 1.213        |
|               | NR Band n41        | 0.489                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.806        |
|               | NR Band n77 DoD    | 0.370                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.687        |
|               | NR Band n77        | 0.381                     | 0.153                                    | 0.086                                            | 0.078                                         | 0.698        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 275 of 337                 |



**Table 12-39**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN and 5 GHz MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|----------------------------------------|--------------------------------------|--------------|
|               |                    | 1                      | 2                                      | 3                                    | 1+2+3        |
| Hotspot SAR   | Cell. EVDO         | 0.445                  | 0.089                                  | 0.078                                | 0.612        |
|               | PCS EVDO           | 0.595                  | 0.089                                  | 0.078                                | 0.762        |
|               | GPRS 850           | 0.221                  | 0.089                                  | 0.078                                | 0.388        |
|               | GPRS 1900          | 0.882                  | 0.089                                  | 0.078                                | 1.049        |
|               | UMTS 850           | 0.392                  | 0.089                                  | 0.078                                | 0.559        |
|               | UMTS 1750          | 0.770                  | 0.089                                  | 0.078                                | 0.937        |
|               | UMTS 1900          | 0.896                  | 0.089                                  | 0.078                                | 1.063        |
|               | LTE Band 71        | 0.302                  | 0.089                                  | 0.078                                | 0.469        |
|               | LTE Band 12        | 0.286                  | 0.089                                  | 0.078                                | 0.453        |
|               | LTE Band 13        | 0.341                  | 0.089                                  | 0.078                                | 0.508        |
|               | LTE Band 14        | 0.337                  | 0.089                                  | 0.078                                | 0.504        |
|               | LTE Band 26 (Cell) | 0.299                  | 0.089                                  | 0.078                                | 0.466        |
|               | LTE Band 5 (Cell)  | 0.388                  | 0.089                                  | 0.078                                | 0.555        |
|               | LTE Band 66 (AWS)  | 0.796                  | 0.089                                  | 0.078                                | 0.963        |
|               | LTE Band 25 (PCS)  | 1.115                  | 0.089                                  | 0.078                                | <b>1.282</b> |
|               | LTE Band 30        | 0.747                  | 0.089                                  | 0.078                                | 0.914        |
|               | LTE Band 7         | 0.420                  | 0.089                                  | 0.078                                | 0.587        |
|               | LTE Band 48        | 0.183                  | 0.089                                  | 0.078                                | 0.350        |
|               | LTE Band 41        | 0.448                  | 0.089                                  | 0.078                                | 0.615        |
|               | NR Band n71        | 0.299                  | 0.089                                  | 0.078                                | 0.466        |
|               | NR Band n12        | 0.327                  | 0.089                                  | 0.078                                | 0.494        |
|               | NR Band n5 (Cell)  | 0.413                  | 0.089                                  | 0.078                                | 0.580        |
|               | NR Band n66 (AWS)  | 0.845                  | 0.089                                  | 0.078                                | 1.012        |
|               | NR Band n25 (PCS)  | 0.589                  | 0.089                                  | 0.078                                | 0.756        |
|               | NR Band n30        | 0.896                  | 0.089                                  | 0.078                                | 1.063        |
|               | NR Band n41        | 0.489                  | 0.089                                  | 0.078                                | 0.656        |
|               | NR Band n77 DoD    | 0.370                  | 0.089                                  | 0.078                                | 0.537        |
|               | NR Band n77        | 0.381                  | 0.089                                  | 0.078                                | 0.548        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 276 of 337                                                                       |                                        |



## 12.6 Phablet Simultaneous Transmission Analysis

Per FCC KDB Publication 941225 D06v02r01, the devices edges with antennas more than 2.5 cm from edge are not required to be evaluated for SAR (“-”).

For SAR summation, the highest reported SAR across all test distances was used as the most conservative evaluation for simultaneous transmission analysis for each device edge.

Per FCC KDB Publication 648474 D04 Handset SAR, Phablet SAR tests were not required if wireless router 1g SAR (scaled to the maximum output power, including tolerance) < 1.2 W/kg. Therefore, no further analysis beyond the tables included in this section was required to determine that possible simultaneous transmission scenarios would not exceed the SAR limit.

**Table 12-40**  
**Simultaneous Transmission Scenario with 5 GHz WLAN Antenna 1**

| Configuration | Mode              | 2G/3G/4G SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg)           | Σ SAR (W/kg) |
|---------------|-------------------|---------------------|---------------------------------------|--------------|
|               |                   | 1                   | 2                                     | 1+2          |
| Phablet SAR   | PCS EVDO          | 1.269               | 0.758                                 | 2.027        |
|               | GPRS 1900         | 1.914               | 0.758                                 | 2.672        |
|               | UMTS 1750         | 2.412               | 0.758                                 | 3.170        |
|               | UMTS 1900         | 2.929               | 0.758                                 | 3.687        |
|               | LTE Band 66 (AWS) | 3.174               | 0.758                                 | <b>3.932</b> |
|               | LTE Band 25 (PCS) | 2.981               | 0.758                                 | 3.739        |
|               | LTE Band 30       | 1.810               | 0.758                                 | 2.568        |
|               | LTE Band 7        | 1.898               | 0.758                                 | 2.656        |
|               | LTE Band 41       | 2.602               | 0.758                                 | 3.360        |
| Configuration | Mode              | 5G SAR (W/kg)       | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) |
|               |                   | 1                   | 2                                     | 1+2          |
| Phablet SAR   | NR Band n66 (AWS) | 2.978               | 0.196                                 | <b>3.174</b> |
|               | NR Band n25 (PCS) | 2.970               | 0.196                                 | 3.166        |
|               | NR Band n30       | 1.918               | 0.196                                 | 2.114        |
|               | NR Band n41       | 2.241               | 0.196                                 | 2.437        |
|               | NR Band n77 DoD   | 2.754               | 0.196                                 | 2.950        |
|               | NR Band n77       | 2.741               | 0.196                                 | 2.937        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 277 of 337                        |

**Table 12-41**  
**Simultaneous Transmission Scenario with 5 GHz MIMO WLAN**

| Configuration | Mode              | 2G/3G/4G SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | $\Sigma$ SAR (W/kg) |  |
|---------------|-------------------|---------------------|----------------------------|---------------------|--|
|               |                   | 1                   | 2                          | 1+2                 |  |
| Phablet SAR   | PCS EVDO          | 1.269               | 1.044                      | 2.313               |  |
|               | GPRS 1900         | 1.914               | 1.044                      | 2.958               |  |
|               | UMTS 1750         | 2.412               | 1.044                      | 3.456               |  |
|               | UMTS 1900         | 2.929               | 1.044                      | <b>3.973</b>        |  |
|               | LTE Band 66 (AWS) | 3.174               | 1.044                      | See Table Below     |  |
|               | LTE Band 25 (PCS) | 2.981               | 1.044                      | See Table Below     |  |
|               | LTE Band 30       | 1.810               | 1.044                      | 2.854               |  |
|               | LTE Band 7        | 1.898               | 1.044                      | 2.942               |  |
|               | LTE Band 41       | 2.602               | 1.044                      | 3.646               |  |

| Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | $\Sigma$ SAR (W/kg) | SPLSR | Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|-------------|---------------|------------------------------|----------------------------|---------------------|-------|-------------|---------------|------------------------------|----------------------------|---------------------|
|             |               | 1                            | 2                          | 1+2                 | 1+2   |             |               | 1                            | 2                          | 1+2                 |
| Phablet SAR | Back          | 3.174                        | 0.989                      | See Note 1          | 0.05  | Phablet SAR | Back          | 2.981                        | 0.989                      | <b>3.970</b>        |
|             | Front         | 1.811                        | 1.044*                     | <b>2.855</b>        | N/A   |             | Front         | 1.997                        | 1.044*                     | 3.041               |
|             | Top           | -                            | 1.044*                     | 1.044               | N/A   |             | Top           | -                            | 1.044*                     | 1.044               |
|             | Bottom        | 1.863                        | -                          | 1.863               | N/A   |             | Bottom        | 1.930                        | -                          | 1.930               |
|             | Right         | 0.388                        | 1.044*                     | 1.432               | N/A   |             | Right         | 0.575                        | 1.044*                     | 1.619               |
|             | Left          | 0.394                        | 1.044                      | 1.438               | N/A   |             | Left          | 0.516                        | 1.044                      | 1.560               |

| Configuration | Mode              | 5G SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | $\Sigma$ SAR (W/kg) |  |
|---------------|-------------------|---------------|--------------------------------------|---------------------|--|
|               |                   | 1             | 2                                    | 1+2                 |  |
| Phablet SAR   | NR Band n66 (AWS) | 2.978         | 0.662                                | <b>3.640</b>        |  |
|               | NR Band n25 (PCS) | 2.970         | 0.662                                | 3.632               |  |
|               | NR Band n30       | 1.918         | 0.662                                | 2.580               |  |
|               | NR Band n41       | 2.241         | 0.662                                | 2.903               |  |
|               | NR Band n77 DoD   | 2.754         | 0.662                                | 3.416               |  |
|               | NR Band n77       | 2.741         | 0.662                                | 3.403               |  |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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## 12.7 Closed Body-Worn Simultaneous Transmission Analysis

**Table 12-42**  
**Simultaneous Transmission Scenario with 5 GHz WLAN Antenna 1 (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|-----------------------------|--------------|
|               |                    | 1                      | 2                           | 1+2          |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.001                       | 0.466        |
|               | PCS CDMA           | 0.271                  | 0.001                       | 0.272        |
|               | GSM 850            | 0.342                  | 0.001                       | 0.343        |
|               | GSM 1900           | 0.131                  | 0.001                       | 0.132        |
|               | UMTS 850           | 0.416                  | 0.001                       | 0.417        |
|               | UMTS 1750          | 0.176                  | 0.001                       | 0.177        |
|               | UMTS 1900          | 0.232                  | 0.001                       | 0.233        |
|               | LTE Band 71        | 0.328                  | 0.001                       | 0.329        |
|               | LTE Band 12        | 0.325                  | 0.001                       | 0.326        |
|               | LTE Band 13        | 0.276                  | 0.001                       | 0.277        |
|               | LTE Band 14        | 0.283                  | 0.001                       | 0.284        |
|               | LTE Band 26 (Cell) | 0.447                  | 0.001                       | 0.448        |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.001                       | 0.444        |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.001                       | 0.221        |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.001                       | <b>0.510</b> |
|               | LTE Band 30        | 0.336                  | 0.001                       | 0.337        |
|               | LTE Band 7         | 0.442                  | 0.001                       | 0.443        |
|               | LTE Band 48        | 0.028                  | 0.001                       | 0.029        |
|               | LTE Band 41        | 0.234                  | 0.001                       | 0.235        |
|               | NR Band n71        | 0.303                  | 0.001                       | 0.304        |
|               | NR Band n12        | 0.233                  | 0.001                       | 0.234        |
|               | NR Band n5 (Cell)  | 0.498                  | 0.001                       | 0.499        |
|               | NR Band n66 (AWS)  | 0.304                  | 0.001                       | 0.305        |
|               | NR Band n25 (PCS)  | 0.416                  | 0.001                       | 0.417        |
|               | NR Band n30        | 0.377                  | 0.001                       | 0.378        |
|               | NR Band n41        | 0.087                  | 0.001                       | 0.088        |
|               | NR Band n77 DoD    | 0.072                  | 0.001                       | 0.073        |
|               | NR Band n77        | 0.073                  | 0.001                       | 0.074        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 279 of 337                        |

**Table 12-43**  
**Simultaneous Transmission Scenario with 5 GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|----------------------------|--------------|
|               |                    | 1                      | 2                          | 1+2          |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.013                      | 0.478        |
|               | PCS CDMA           | 0.271                  | 0.013                      | 0.284        |
|               | GSM 850            | 0.342                  | 0.013                      | 0.355        |
|               | GSM 1900           | 0.131                  | 0.013                      | 0.144        |
|               | UMTS 850           | 0.416                  | 0.013                      | 0.429        |
|               | UMTS 1750          | 0.176                  | 0.013                      | 0.189        |
|               | UMTS 1900          | 0.232                  | 0.013                      | 0.245        |
|               | LTE Band 71        | 0.328                  | 0.013                      | 0.341        |
|               | LTE Band 12        | 0.325                  | 0.013                      | 0.338        |
|               | LTE Band 13        | 0.276                  | 0.013                      | 0.289        |
|               | LTE Band 14        | 0.283                  | 0.013                      | 0.296        |
|               | LTE Band 26 (Cell) | 0.447                  | 0.013                      | 0.460        |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.013                      | 0.456        |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.013                      | 0.233        |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.013                      | <b>0.522</b> |
|               | LTE Band 30        | 0.336                  | 0.013                      | 0.349        |
|               | LTE Band 7         | 0.442                  | 0.013                      | 0.455        |
|               | LTE Band 48        | 0.028                  | 0.013                      | 0.041        |
|               | LTE Band 41        | 0.234                  | 0.013                      | 0.247        |
|               | NR Band n71        | 0.303                  | 0.013                      | 0.316        |
|               | NR Band n12        | 0.233                  | 0.013                      | 0.246        |
|               | NR Band n5 (Cell)  | 0.498                  | 0.013                      | 0.511        |
|               | NR Band n66 (AWS)  | 0.304                  | 0.013                      | 0.317        |
|               | NR Band n25 (PCS)  | 0.416                  | 0.013                      | 0.429        |
|               | NR Band n30        | 0.377                  | 0.013                      | 0.390        |
|               | NR Band n41        | 0.087                  | 0.013                      | 0.100        |
|               | NR Band n77 DoD    | 0.072                  | 0.013                      | 0.085        |
|               | NR Band n77        | 0.073                  | 0.013                      | 0.086        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 280 of 337                                                                       |                                        |

**Table 12-44**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz WLAN MIMO SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------|---------------------|
|               |                    | 1                      | 2                            | 1+2                 |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.072                        | 0.537               |
|               | PCS CDMA           | 0.271                  | 0.072                        | 0.343               |
|               | GSM 850            | 0.342                  | 0.072                        | 0.414               |
|               | GSM 1900           | 0.131                  | 0.072                        | 0.203               |
|               | UMTS 850           | 0.416                  | 0.072                        | 0.488               |
|               | UMTS 1750          | 0.176                  | 0.072                        | 0.248               |
|               | UMTS 1900          | 0.232                  | 0.072                        | 0.304               |
|               | LTE Band 71        | 0.328                  | 0.072                        | 0.400               |
|               | LTE Band 12        | 0.325                  | 0.072                        | 0.397               |
|               | LTE Band 13        | 0.276                  | 0.072                        | 0.348               |
|               | LTE Band 14        | 0.283                  | 0.072                        | 0.355               |
|               | LTE Band 26 (Cell) | 0.447                  | 0.072                        | 0.519               |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.072                        | 0.515               |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.072                        | 0.292               |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.072                        | <b>0.581</b>        |
|               | LTE Band 30        | 0.336                  | 0.072                        | 0.408               |
|               | LTE Band 7         | 0.442                  | 0.072                        | 0.514               |
|               | LTE Band 48        | 0.028                  | 0.072                        | 0.100               |
|               | LTE Band 41        | 0.234                  | 0.072                        | 0.306               |
|               | NR Band n71        | 0.303                  | 0.072                        | 0.375               |
|               | NR Band n12        | 0.233                  | 0.072                        | 0.305               |
|               | NR Band n5 (Cell)  | 0.498                  | 0.072                        | 0.570               |
|               | NR Band n66 (AWS)  | 0.304                  | 0.072                        | 0.376               |
|               | NR Band n25 (PCS)  | 0.416                  | 0.072                        | 0.488               |
|               | NR Band n30        | 0.377                  | 0.072                        | 0.449               |
|               | NR Band n41        | 0.087                  | 0.072                        | 0.159               |
|               | NR Band n77 DoD    | 0.072                  | 0.072                        | 0.144               |
|               | NR Band n77        | 0.073                  | 0.072                        | 0.145               |

|                                                    |                                                                                                                                                                                                                             |                                      |                                                                                       |                                        |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                                   | <b>DUT Type:</b><br>Portable Handset | Page 281 of 337                                                                       |                                        |

**Table 12-45**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|---------------------|
|               |                    | 1                         | 2                                           | 1+2                 |
| Body-Worn SAR | Cell. CDMA         | 0.465                     | 0.018                                       | 0.483               |
|               | PCS CDMA           | 0.271                     | 0.018                                       | 0.289               |
|               | GSM 850            | 0.342                     | 0.018                                       | 0.360               |
|               | GSM 1900           | 0.131                     | 0.018                                       | 0.149               |
|               | UMTS 850           | 0.416                     | 0.018                                       | 0.434               |
|               | UMTS 1750          | 0.176                     | 0.018                                       | 0.194               |
|               | UMTS 1900          | 0.232                     | 0.018                                       | 0.250               |
|               | LTE Band 71        | 0.328                     | 0.018                                       | 0.346               |
|               | LTE Band 12        | 0.325                     | 0.018                                       | 0.343               |
|               | LTE Band 13        | 0.276                     | 0.018                                       | 0.294               |
|               | LTE Band 14        | 0.283                     | 0.018                                       | 0.301               |
|               | LTE Band 26 (Cell) | 0.447                     | 0.018                                       | 0.465               |
|               | LTE Band 5 (Cell)  | 0.443                     | 0.018                                       | 0.461               |
|               | LTE Band 66 (AWS)  | 0.220                     | 0.018                                       | 0.238               |
|               | LTE Band 25 (PCS)  | 0.509                     | 0.018                                       | <b>0.527</b>        |
|               | LTE Band 30        | 0.336                     | 0.018                                       | 0.354               |
|               | LTE Band 7         | 0.442                     | 0.018                                       | 0.460               |
|               | LTE Band 48        | 0.028                     | 0.018                                       | 0.046               |
|               | LTE Band 41        | 0.234                     | 0.018                                       | 0.252               |
|               | NR Band n71        | 0.303                     | 0.018                                       | 0.321               |
|               | NR Band n12        | 0.233                     | 0.018                                       | 0.251               |
|               | NR Band n5 (Cell)  | 0.498                     | 0.018                                       | 0.516               |
|               | NR Band n66 (AWS)  | 0.304                     | 0.018                                       | 0.322               |
|               | NR Band n25 (PCS)  | 0.416                     | 0.018                                       | 0.434               |
|               | NR Band n30        | 0.377                     | 0.018                                       | 0.395               |
|               | NR Band n41        | 0.087                     | 0.018                                       | 0.105               |
|               | NR Band n77 DoD    | 0.072                     | 0.018                                       | 0.090               |
|               | NR Band n77        | 0.073                     | 0.018                                       | 0.091               |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 282 of 337                 |

**Table 12-46**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|--------------|
|               |                    | 1                      | 2                                  | 1+2          |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.013                              | 0.478        |
|               | PCS CDMA           | 0.271                  | 0.013                              | 0.284        |
|               | GSM 850            | 0.342                  | 0.013                              | 0.355        |
|               | GSM 1900           | 0.131                  | 0.013                              | 0.144        |
|               | UMTS 850           | 0.416                  | 0.013                              | 0.429        |
|               | UMTS 1750          | 0.176                  | 0.013                              | 0.189        |
|               | UMTS 1900          | 0.232                  | 0.013                              | 0.245        |
|               | LTE Band 71        | 0.328                  | 0.013                              | 0.341        |
|               | LTE Band 12        | 0.325                  | 0.013                              | 0.338        |
|               | LTE Band 13        | 0.276                  | 0.013                              | 0.289        |
|               | LTE Band 14        | 0.283                  | 0.013                              | 0.296        |
|               | LTE Band 26 (Cell) | 0.447                  | 0.013                              | 0.460        |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.013                              | 0.456        |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.013                              | 0.233        |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.013                              | <b>0.522</b> |
|               | LTE Band 30        | 0.336                  | 0.013                              | 0.349        |
|               | LTE Band 7         | 0.442                  | 0.013                              | 0.455        |
|               | LTE Band 48        | 0.028                  | 0.013                              | 0.041        |
|               | LTE Band 41        | 0.234                  | 0.013                              | 0.247        |
|               | NR Band n71        | 0.303                  | 0.013                              | 0.316        |
|               | NR Band n12        | 0.233                  | 0.013                              | 0.246        |
|               | NR Band n5 (Cell)  | 0.498                  | 0.013                              | 0.511        |
|               | NR Band n66 (AWS)  | 0.304                  | 0.013                              | 0.317        |
|               | NR Band n25 (PCS)  | 0.416                  | 0.013                              | 0.429        |
|               | NR Band n30        | 0.377                  | 0.013                              | 0.390        |
|               | NR Band n41        | 0.087                  | 0.013                              | 0.100        |
|               | NR Band n77 DoD    | 0.072                  | 0.013                              | 0.085        |
|               | NR Band n77        | 0.073                  | 0.013                              | 0.086        |

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 283 of 337                 |

Table 12-47

Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5 GHz Antenna 1 WLAN (Body-Worn at 1.5 cm)

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|-----------------------------|--------------|
|               |                    | 1                      | 2                                  | 3                           | 1+2+3        |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.018                              | 0.001                       | 0.484        |
|               | PCS CDMA           | 0.271                  | 0.018                              | 0.001                       | 0.290        |
|               | GSM 850            | 0.342                  | 0.018                              | 0.001                       | 0.361        |
|               | GSM 1900           | 0.131                  | 0.018                              | 0.001                       | 0.150        |
|               | UMTS 850           | 0.416                  | 0.018                              | 0.001                       | 0.435        |
|               | UMTS 1750          | 0.176                  | 0.018                              | 0.001                       | 0.195        |
|               | UMTS 1900          | 0.232                  | 0.018                              | 0.001                       | 0.251        |
|               | LTE Band 71        | 0.328                  | 0.018                              | 0.001                       | 0.347        |
|               | LTE Band 12        | 0.325                  | 0.018                              | 0.001                       | 0.344        |
|               | LTE Band 13        | 0.276                  | 0.018                              | 0.001                       | 0.295        |
|               | LTE Band 14        | 0.283                  | 0.018                              | 0.001                       | 0.302        |
|               | LTE Band 26 (Cell) | 0.447                  | 0.018                              | 0.001                       | 0.466        |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.018                              | 0.001                       | 0.462        |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.018                              | 0.001                       | 0.239        |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.018                              | 0.001                       | <b>0.528</b> |
|               | LTE Band 30        | 0.336                  | 0.018                              | 0.001                       | 0.355        |
|               | LTE Band 7         | 0.442                  | 0.018                              | 0.001                       | 0.461        |
|               | LTE Band 48        | 0.028                  | 0.018                              | 0.001                       | 0.047        |
|               | LTE Band 41        | 0.234                  | 0.018                              | 0.001                       | 0.253        |
|               | NR Band n71        | 0.303                  | 0.018                              | 0.001                       | 0.322        |
|               | NR Band n12        | 0.233                  | 0.018                              | 0.001                       | 0.252        |
|               | NR Band n5 (Cell)  | 0.498                  | 0.018                              | 0.001                       | 0.517        |
|               | NR Band n66 (AWS)  | 0.304                  | 0.018                              | 0.001                       | 0.323        |
|               | NR Band n25 (PCS)  | 0.416                  | 0.018                              | 0.001                       | 0.435        |
|               | NR Band n30        | 0.377                  | 0.018                              | 0.001                       | 0.396        |
|               | NR Band n41        | 0.087                  | 0.018                              | 0.001                       | 0.106        |
|               | NR Band n77 DoD    | 0.072                  | 0.018                              | 0.001                       | 0.091        |
|               | NR Band n77        | 0.073                  | 0.018                              | 0.001                       | 0.092        |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 284 of 337                 |



Table 12-48

**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5 GHz Antenna 1 WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|-----------------------------|---------------------|
|               |                    | 1                      | 2                                  | 3                           | 1+2+3               |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.013                              | 0.001                       | 0.479               |
|               | PCS CDMA           | 0.271                  | 0.013                              | 0.001                       | 0.285               |
|               | GSM 850            | 0.342                  | 0.013                              | 0.001                       | 0.356               |
|               | GSM 1900           | 0.131                  | 0.013                              | 0.001                       | 0.145               |
|               | UMTS 850           | 0.416                  | 0.013                              | 0.001                       | 0.430               |
|               | UMTS 1750          | 0.176                  | 0.013                              | 0.001                       | 0.190               |
|               | UMTS 1900          | 0.232                  | 0.013                              | 0.001                       | 0.246               |
|               | LTE Band 71        | 0.328                  | 0.013                              | 0.001                       | 0.342               |
|               | LTE Band 12        | 0.325                  | 0.013                              | 0.001                       | 0.339               |
|               | LTE Band 13        | 0.276                  | 0.013                              | 0.001                       | 0.290               |
|               | LTE Band 14        | 0.283                  | 0.013                              | 0.001                       | 0.297               |
|               | LTE Band 26 (Cell) | 0.447                  | 0.013                              | 0.001                       | 0.461               |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.013                              | 0.001                       | 0.457               |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.013                              | 0.001                       | 0.234               |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.013                              | 0.001                       | <b>0.523</b>        |
|               | LTE Band 30        | 0.336                  | 0.013                              | 0.001                       | 0.350               |
|               | LTE Band 7         | 0.442                  | 0.013                              | 0.001                       | 0.456               |
|               | LTE Band 48        | 0.028                  | 0.013                              | 0.001                       | 0.042               |
|               | LTE Band 41        | 0.234                  | 0.013                              | 0.001                       | 0.248               |
|               | NR Band n71        | 0.303                  | 0.013                              | 0.001                       | 0.317               |
|               | NR Band n12        | 0.233                  | 0.013                              | 0.001                       | 0.247               |
|               | NR Band n5 (Cell)  | 0.498                  | 0.013                              | 0.001                       | 0.512               |
|               | NR Band n66 (AWS)  | 0.304                  | 0.013                              | 0.001                       | 0.318               |
|               | NR Band n25 (PCS)  | 0.416                  | 0.013                              | 0.001                       | 0.430               |
|               | NR Band n30        | 0.377                  | 0.013                              | 0.001                       | 0.391               |
|               | NR Band n41        | 0.087                  | 0.013                              | 0.001                       | 0.101               |
|               | NR Band n77 DoD    | 0.072                  | 0.013                              | 0.001                       | 0.086               |
|               | NR Band n77        | 0.073                  | 0.013                              | 0.001                       | 0.087               |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 285 of 337                 |

**Table 12-49**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|----------------------------|---------------------|
|               |                    | 1                      | 2                                  | 3                          | 1+2+3               |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.018                              | 0.013                      | 0.496               |
|               | PCS CDMA           | 0.271                  | 0.018                              | 0.013                      | 0.302               |
|               | GSM 850            | 0.342                  | 0.018                              | 0.013                      | 0.373               |
|               | GSM 1900           | 0.131                  | 0.018                              | 0.013                      | 0.162               |
|               | UMTS 850           | 0.416                  | 0.018                              | 0.013                      | 0.447               |
|               | UMTS 1750          | 0.176                  | 0.018                              | 0.013                      | 0.207               |
|               | UMTS 1900          | 0.232                  | 0.018                              | 0.013                      | 0.263               |
|               | LTE Band 71        | 0.328                  | 0.018                              | 0.013                      | 0.359               |
|               | LTE Band 12        | 0.325                  | 0.018                              | 0.013                      | 0.356               |
|               | LTE Band 13        | 0.276                  | 0.018                              | 0.013                      | 0.307               |
|               | LTE Band 14        | 0.283                  | 0.018                              | 0.013                      | 0.314               |
|               | LTE Band 26 (Cell) | 0.447                  | 0.018                              | 0.013                      | 0.478               |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.018                              | 0.013                      | 0.474               |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.018                              | 0.013                      | 0.251               |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.018                              | 0.013                      | <b>0.540</b>        |
|               | LTE Band 30        | 0.336                  | 0.018                              | 0.013                      | 0.367               |
|               | LTE Band 7         | 0.442                  | 0.018                              | 0.013                      | 0.473               |
|               | LTE Band 48        | 0.028                  | 0.018                              | 0.013                      | 0.059               |
|               | LTE Band 41        | 0.234                  | 0.018                              | 0.013                      | 0.265               |
|               | NR Band n71        | 0.303                  | 0.018                              | 0.013                      | 0.334               |
|               | NR Band n12        | 0.233                  | 0.018                              | 0.013                      | 0.264               |
|               | NR Band n5 (Cell)  | 0.498                  | 0.018                              | 0.013                      | 0.529               |
|               | NR Band n66 (AWS)  | 0.304                  | 0.018                              | 0.013                      | 0.335               |
|               | NR Band n25 (PCS)  | 0.416                  | 0.018                              | 0.013                      | 0.447               |
|               | NR Band n30        | 0.377                  | 0.018                              | 0.013                      | 0.408               |
|               | NR Band n41        | 0.087                  | 0.018                              | 0.013                      | 0.118               |
|               | NR Band n77 DoD    | 0.072                  | 0.018                              | 0.013                      | 0.103               |
|               | NR Band n77        | 0.073                  | 0.018                              | 0.013                      | 0.104               |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 286 of 337                 |

**Table 12-50**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|----------------------------|---------------------|
|               |                    | 1                      | 2                                  | 3                          | 1+2+3               |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.013                              | 0.013                      | 0.491               |
|               | PCS CDMA           | 0.271                  | 0.013                              | 0.013                      | 0.297               |
|               | GSM 850            | 0.342                  | 0.013                              | 0.013                      | 0.368               |
|               | GSM 1900           | 0.131                  | 0.013                              | 0.013                      | 0.157               |
|               | UMTS 850           | 0.416                  | 0.013                              | 0.013                      | 0.442               |
|               | UMTS 1750          | 0.176                  | 0.013                              | 0.013                      | 0.202               |
|               | UMTS 1900          | 0.232                  | 0.013                              | 0.013                      | 0.258               |
|               | LTE Band 71        | 0.328                  | 0.013                              | 0.013                      | 0.354               |
|               | LTE Band 12        | 0.325                  | 0.013                              | 0.013                      | 0.351               |
|               | LTE Band 13        | 0.276                  | 0.013                              | 0.013                      | 0.302               |
|               | LTE Band 14        | 0.283                  | 0.013                              | 0.013                      | 0.309               |
|               | LTE Band 26 (Cell) | 0.447                  | 0.013                              | 0.013                      | 0.473               |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.013                              | 0.013                      | 0.469               |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.013                              | 0.013                      | 0.246               |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.013                              | 0.013                      | <b>0.535</b>        |
|               | LTE Band 30        | 0.336                  | 0.013                              | 0.013                      | 0.362               |
|               | LTE Band 7         | 0.442                  | 0.013                              | 0.013                      | 0.468               |
|               | LTE Band 48        | 0.028                  | 0.013                              | 0.013                      | 0.054               |
|               | LTE Band 41        | 0.234                  | 0.013                              | 0.013                      | 0.260               |
|               | NR Band n71        | 0.303                  | 0.013                              | 0.013                      | 0.329               |
|               | NR Band n12        | 0.233                  | 0.013                              | 0.013                      | 0.259               |
|               | NR Band n5 (Cell)  | 0.498                  | 0.013                              | 0.013                      | 0.524               |
|               | NR Band n66 (AWS)  | 0.304                  | 0.013                              | 0.013                      | 0.330               |
|               | NR Band n25 (PCS)  | 0.416                  | 0.013                              | 0.013                      | 0.442               |
|               | NR Band n30        | 0.377                  | 0.013                              | 0.013                      | 0.403               |
|               | NR Band n41        | 0.087                  | 0.013                              | 0.013                      | 0.113               |
|               | NR Band n77 DoD    | 0.072                  | 0.013                              | 0.013                      | 0.098               |
|               | NR Band n77        | 0.073                  | 0.013                              | 0.013                      | 0.099               |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 287 of 337                 |

**Table 12-51**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 2.4 GHz WLAN Antenna 2**  
**(Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|----------------------------------------|--------------|
|               |                    | 1                         | 2                                           | 3                                      | 1+2+3        |
| Body-Worn SAR | Cell. CDMA         | 0.465                     | 0.018                                       | 0.019                                  | 0.502        |
|               | PCS CDMA           | 0.271                     | 0.018                                       | 0.019                                  | 0.308        |
|               | GSM 850            | 0.342                     | 0.018                                       | 0.019                                  | 0.379        |
|               | GSM 1900           | 0.131                     | 0.018                                       | 0.019                                  | 0.168        |
|               | UMTS 850           | 0.416                     | 0.018                                       | 0.019                                  | 0.453        |
|               | UMTS 1750          | 0.176                     | 0.018                                       | 0.019                                  | 0.213        |
|               | UMTS 1900          | 0.232                     | 0.018                                       | 0.019                                  | 0.269        |
|               | LTE Band 71        | 0.328                     | 0.018                                       | 0.019                                  | 0.365        |
|               | LTE Band 12        | 0.325                     | 0.018                                       | 0.019                                  | 0.362        |
|               | LTE Band 13        | 0.276                     | 0.018                                       | 0.019                                  | 0.313        |
|               | LTE Band 14        | 0.283                     | 0.018                                       | 0.019                                  | 0.320        |
|               | LTE Band 26 (Cell) | 0.447                     | 0.018                                       | 0.019                                  | 0.484        |
|               | LTE Band 5 (Cell)  | 0.443                     | 0.018                                       | 0.019                                  | 0.480        |
|               | LTE Band 66 (AWS)  | 0.220                     | 0.018                                       | 0.019                                  | 0.257        |
|               | LTE Band 25 (PCS)  | 0.509                     | 0.018                                       | 0.019                                  | <b>0.546</b> |
|               | LTE Band 30        | 0.336                     | 0.018                                       | 0.019                                  | 0.373        |
|               | LTE Band 7         | 0.442                     | 0.018                                       | 0.019                                  | 0.479        |
|               | LTE Band 48        | 0.028                     | 0.018                                       | 0.019                                  | 0.065        |
|               | LTE Band 41        | 0.234                     | 0.018                                       | 0.019                                  | 0.271        |
|               | NR Band n71        | 0.303                     | 0.018                                       | 0.019                                  | 0.340        |
|               | NR Band n12        | 0.233                     | 0.018                                       | 0.019                                  | 0.270        |
|               | NR Band n5 (Cell)  | 0.498                     | 0.018                                       | 0.019                                  | 0.535        |
|               | NR Band n66 (AWS)  | 0.304                     | 0.018                                       | 0.019                                  | 0.341        |
|               | NR Band n25 (PCS)  | 0.416                     | 0.018                                       | 0.019                                  | 0.453        |
|               | NR Band n30        | 0.377                     | 0.018                                       | 0.019                                  | 0.414        |
|               | NR Band n41        | 0.087                     | 0.018                                       | 0.019                                  | 0.124        |
|               | NR Band n77 DoD    | 0.072                     | 0.018                                       | 0.019                                  | 0.109        |
|               | NR Band n77        | 0.073                     | 0.018                                       | 0.019                                  | 0.110        |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 288 of 337                                                                       |                                        |

**Table 12-52**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN,**  
**and 5 GHz Antenna 1 WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth<br>Ant 1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------------|---------------------------------------------|----------------------------------------|--------------------------------------|--------------|
|               |                    | 1                         | 2                                           | 3                                      | 4                                    | 1+2+3+4      |
| Body-Worn SAR | Cell. CDMA         | 0.465                     | 0.018                                       | 0.019                                  | 0.001                                | 0.503        |
|               | PCS CDMA           | 0.271                     | 0.018                                       | 0.019                                  | 0.001                                | 0.309        |
|               | GSM 850            | 0.342                     | 0.018                                       | 0.019                                  | 0.001                                | 0.380        |
|               | GSM 1900           | 0.131                     | 0.018                                       | 0.019                                  | 0.001                                | 0.169        |
|               | UMTS 850           | 0.416                     | 0.018                                       | 0.019                                  | 0.001                                | 0.454        |
|               | UMTS 1750          | 0.176                     | 0.018                                       | 0.019                                  | 0.001                                | 0.214        |
|               | UMTS 1900          | 0.232                     | 0.018                                       | 0.019                                  | 0.001                                | 0.270        |
|               | LTE Band 71        | 0.328                     | 0.018                                       | 0.019                                  | 0.001                                | 0.366        |
|               | LTE Band 12        | 0.325                     | 0.018                                       | 0.019                                  | 0.001                                | 0.363        |
|               | LTE Band 13        | 0.276                     | 0.018                                       | 0.019                                  | 0.001                                | 0.314        |
|               | LTE Band 14        | 0.283                     | 0.018                                       | 0.019                                  | 0.001                                | 0.321        |
|               | LTE Band 26 (Cell) | 0.447                     | 0.018                                       | 0.019                                  | 0.001                                | 0.485        |
|               | LTE Band 5 (Cell)  | 0.443                     | 0.018                                       | 0.019                                  | 0.001                                | 0.481        |
|               | LTE Band 66 (AWS)  | 0.220                     | 0.018                                       | 0.019                                  | 0.001                                | 0.258        |
|               | LTE Band 25 (PCS)  | 0.509                     | 0.018                                       | 0.019                                  | 0.001                                | <b>0.547</b> |
|               | LTE Band 30        | 0.336                     | 0.018                                       | 0.019                                  | 0.001                                | 0.374        |
|               | LTE Band 7         | 0.442                     | 0.018                                       | 0.019                                  | 0.001                                | 0.480        |
|               | LTE Band 48        | 0.028                     | 0.018                                       | 0.019                                  | 0.001                                | 0.066        |
|               | LTE Band 41        | 0.234                     | 0.018                                       | 0.019                                  | 0.001                                | 0.272        |
|               | NR Band n71        | 0.303                     | 0.018                                       | 0.019                                  | 0.001                                | 0.341        |
|               | NR Band n12        | 0.233                     | 0.018                                       | 0.019                                  | 0.001                                | 0.271        |
|               | NR Band n5 (Cell)  | 0.498                     | 0.018                                       | 0.019                                  | 0.001                                | 0.536        |
|               | NR Band n66 (AWS)  | 0.304                     | 0.018                                       | 0.019                                  | 0.001                                | 0.341        |
|               | NR Band n25 (PCS)  | 0.416                     | 0.018                                       | 0.019                                  | 0.001                                | 0.454        |
|               | NR Band n30        | 0.377                     | 0.018                                       | 0.019                                  | 0.001                                | 0.414        |
|               | NR Band n41        | 0.087                     | 0.018                                       | 0.019                                  | 0.001                                | 0.124        |
|               | NR Band n77 DoD    | 0.072                     | 0.018                                       | 0.019                                  | 0.001                                | 0.109        |
|               | NR Band n77        | 0.073                     | 0.018                                       | 0.019                                  | 0.001                                | 0.110        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 289 of 337                 |

**Table 12-53**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN, and 5 GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------|-------------------------------|----------------------------|--------------|
|               |                    | 1                      | 2                                  | 3                             | 4                          | 1+2+3+4      |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.018                              | 0.019                         | 0.013                      | 0.515        |
|               | PCS CDMA           | 0.271                  | 0.018                              | 0.019                         | 0.013                      | 0.321        |
|               | GSM 850            | 0.342                  | 0.018                              | 0.019                         | 0.013                      | 0.392        |
|               | GSM 1900           | 0.131                  | 0.018                              | 0.019                         | 0.013                      | 0.181        |
|               | UMTS 850           | 0.416                  | 0.018                              | 0.019                         | 0.013                      | 0.466        |
|               | UMTS 1750          | 0.176                  | 0.018                              | 0.019                         | 0.013                      | 0.226        |
|               | UMTS 1900          | 0.232                  | 0.018                              | 0.019                         | 0.013                      | 0.282        |
|               | LTE Band 71        | 0.328                  | 0.018                              | 0.019                         | 0.013                      | 0.378        |
|               | LTE Band 12        | 0.325                  | 0.018                              | 0.019                         | 0.013                      | 0.375        |
|               | LTE Band 13        | 0.276                  | 0.018                              | 0.019                         | 0.013                      | 0.326        |
|               | LTE Band 14        | 0.283                  | 0.018                              | 0.019                         | 0.013                      | 0.333        |
|               | LTE Band 26 (Cell) | 0.447                  | 0.018                              | 0.019                         | 0.013                      | 0.497        |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.018                              | 0.019                         | 0.013                      | 0.493        |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.018                              | 0.019                         | 0.013                      | 0.270        |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.018                              | 0.019                         | 0.013                      | <b>0.559</b> |
|               | LTE Band 30        | 0.336                  | 0.018                              | 0.019                         | 0.013                      | 0.386        |
|               | LTE Band 7         | 0.442                  | 0.018                              | 0.019                         | 0.013                      | 0.492        |
|               | LTE Band 48        | 0.028                  | 0.018                              | 0.019                         | 0.013                      | 0.078        |
|               | LTE Band 41        | 0.234                  | 0.018                              | 0.019                         | 0.013                      | 0.284        |
|               | NR Band n71        | 0.303                  | 0.018                              | 0.019                         | 0.013                      | 0.353        |
|               | NR Band n12        | 0.233                  | 0.018                              | 0.019                         | 0.013                      | 0.283        |
|               | NR Band n5 (Cell)  | 0.498                  | 0.018                              | 0.019                         | 0.013                      | 0.548        |
|               | NR Band n66 (AWS)  | 0.304                  | 0.018                              | 0.019                         | 0.013                      | 0.354        |
|               | NR Band n25 (PCS)  | 0.416                  | 0.018                              | 0.019                         | 0.013                      | 0.466        |
|               | NR Band n30        | 0.377                  | 0.018                              | 0.019                         | 0.013                      | 0.414        |
|               | NR Band n41        | 0.087                  | 0.018                              | 0.019                         | 0.013                      | 0.124        |
|               | NR Band n77 DoD    | 0.072                  | 0.018                              | 0.019                         | 0.013                      | 0.109        |
|               | NR Band n77        | 0.073                  | 0.018                              | 0.019                         | 0.013                      | 0.110        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 290 of 337                 |

**Table 12-54**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN and 5 GHz MIMO WLAN (Body-Worn at 1.5 cm)**

| Configuration | Mode               | 2G/3G/4G/5G SAR (W/kg) | 2.4 GHz WLAN MIMO SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------|----------------------------|---------------------|
|               |                    | 1                      | 2                            | 3                          | 1+2+3               |
| Body-Worn SAR | Cell. CDMA         | 0.465                  | 0.072                        | 0.013                      | 0.550               |
|               | PCS CDMA           | 0.271                  | 0.072                        | 0.013                      | 0.356               |
|               | GSM 850            | 0.342                  | 0.072                        | 0.013                      | 0.427               |
|               | GSM 1900           | 0.131                  | 0.072                        | 0.013                      | 0.216               |
|               | UMTS 850           | 0.416                  | 0.072                        | 0.013                      | 0.501               |
|               | UMTS 1750          | 0.176                  | 0.072                        | 0.013                      | 0.261               |
|               | UMTS 1900          | 0.232                  | 0.072                        | 0.013                      | 0.317               |
|               | LTE Band 71        | 0.328                  | 0.072                        | 0.013                      | 0.413               |
|               | LTE Band 12        | 0.325                  | 0.072                        | 0.013                      | 0.410               |
|               | LTE Band 13        | 0.276                  | 0.072                        | 0.013                      | 0.361               |
|               | LTE Band 14        | 0.283                  | 0.072                        | 0.013                      | 0.368               |
|               | LTE Band 26 (Cell) | 0.447                  | 0.072                        | 0.013                      | 0.532               |
|               | LTE Band 5 (Cell)  | 0.443                  | 0.072                        | 0.013                      | 0.528               |
|               | LTE Band 66 (AWS)  | 0.220                  | 0.072                        | 0.013                      | 0.305               |
|               | LTE Band 25 (PCS)  | 0.509                  | 0.072                        | 0.013                      | <b>0.594</b>        |
|               | LTE Band 30        | 0.336                  | 0.072                        | 0.013                      | 0.421               |
|               | LTE Band 7         | 0.442                  | 0.072                        | 0.013                      | 0.527               |
|               | LTE Band 48        | 0.028                  | 0.072                        | 0.013                      | 0.113               |
|               | LTE Band 41        | 0.234                  | 0.072                        | 0.013                      | 0.319               |
|               | NR Band n71        | 0.303                  | 0.072                        | 0.013                      | 0.388               |
|               | NR Band n12        | 0.233                  | 0.072                        | 0.013                      | 0.318               |
|               | NR Band n5 (Cell)  | 0.498                  | 0.072                        | 0.013                      | 0.583               |
|               | NR Band n66 (AWS)  | 0.304                  | 0.072                        | 0.013                      | 0.389               |
|               | NR Band n25 (PCS)  | 0.416                  | 0.072                        | 0.013                      | 0.501               |
|               | NR Band n30        | 0.377                  | 0.072                        | 0.013                      | 0.462               |
|               | NR Band n41        | 0.087                  | 0.072                        | 0.013                      | 0.172               |
|               | NR Band n77 DoD    | 0.072                  | 0.072                        | 0.013                      | 0.157               |
|               | NR Band n77        | 0.073                  | 0.072                        | 0.013                      | 0.158               |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 291 of 337                 |

## 12.8 Closed Hotspot SAR Simultaneous Transmission Analysis

**Table 12-55**  
**Simultaneous Transmission Scenario with 5 GHz WLAN Antenna 1 (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|---------------------|-----------------------------|--------------|
|               |                    | 1                   | 2                           | 1+2          |
| Hotspot SAR   | Cell. EVDO         | 1.077               | 0.225                       | 1.302        |
|               | PCS EVDO           | 1.037               | 0.225                       | 1.262        |
|               | GPRS 850           | 0.548               | 0.225                       | 0.773        |
|               | GPRS 1900          | 1.132               | 0.225                       | 1.357        |
|               | UMTS 850           | 1.025               | 0.225                       | 1.250        |
|               | UMTS 1750          | 1.159               | 0.225                       | 1.384        |
|               | UMTS 1900          | 1.005               | 0.225                       | 1.230        |
|               | LTE Band 71        | 0.654               | 0.225                       | 0.879        |
|               | LTE Band 12        | 0.740               | 0.225                       | 0.965        |
|               | LTE Band 13        | 0.733               | 0.225                       | 0.958        |
|               | LTE Band 14        | 0.856               | 0.225                       | 1.081        |
|               | LTE Band 26 (Cell) | 0.739               | 0.225                       | 0.964        |
|               | LTE Band 5 (Cell)  | 0.888               | 0.225                       | 1.113        |
|               | LTE Band 66 (AWS)  | 1.161               | 0.225                       | <b>1.386</b> |
|               | LTE Band 25 (PCS)  | 1.161               | 0.225                       | <b>1.386</b> |
|               | LTE Band 30        | 0.964               | 0.225                       | 1.189        |
|               | LTE Band 7         | 1.111               | 0.225                       | 1.336        |
|               | LTE Band 48        | 0.496               | 0.225                       | 0.721        |
|               | LTE Band 41        | 1.106               | 0.225                       | 1.331        |

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                        | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 292 of 337                        |



| Configuration | Mode              | 5G SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 1 at 14<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|------------------|------------------------------------------------|--------------|
|               |                   | 1                | 2                                              | 1+2          |
| Hotspot SAR   | NR Band n71       | 0.679            | 0.062                                          | 0.741        |
|               | NR Band n12       | 0.752            | 0.062                                          | 0.814        |
|               | NR Band n5 (Cell) | 0.994            | 0.062                                          | 1.056        |
|               | NR Band n66 (AWS) | 1.211            | 0.062                                          | <b>1.273</b> |
|               | NR Band n25 (PCS) | 0.840            | 0.062                                          | 0.902        |
|               | NR Band n30       | 1.201            | 0.062                                          | 1.263        |
|               | NR Band n41       | 1.192            | 0.062                                          | 1.254        |
|               | NR Band n77 DoD   | 0.600            | 0.062                                          | 0.662        |
|               | NR Band n77       | 0.885            | 0.062                                          | 0.947        |

**Table 12-56**  
**Simultaneous Transmission Scenario with 5 GHz MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 5 GHz WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|------------------------|----------------------------------|-----------------|
|               |                    | 1                      | 2                                | 1+2             |
| Hotspot SAR   | Cell. EVDO         | 1.077                  | 0.573                            | See Table Below |
|               | PCS EVDO           | 1.037                  | 0.573                            | See Table Below |
|               | GPRS 850           | 0.548                  | 0.573                            | 1.121           |
|               | GPRS 1900          | 1.132                  | 0.573                            | See Table Below |
|               | UMTS 850           | 1.025                  | 0.573                            | See Table Below |
|               | UMTS 1750          | 1.159                  | 0.573                            | See Table Below |
|               | UMTS 1900          | 1.005                  | 0.573                            | <b>1.578</b>    |
|               | LTE Band 71        | 0.654                  | 0.573                            | 1.227           |
|               | LTE Band 12        | 0.740                  | 0.573                            | 1.313           |
|               | LTE Band 13        | 0.733                  | 0.573                            | 1.306           |
|               | LTE Band 14        | 0.856                  | 0.573                            | 1.429           |
|               | LTE Band 26 (Cell) | 0.739                  | 0.573                            | 1.312           |
|               | LTE Band 5 (Cell)  | 0.888                  | 0.573                            | 1.461           |
|               | LTE Band 66 (AWS)  | 1.161                  | 0.573                            | See Table Below |
|               | LTE Band 25 (PCS)  | 1.161                  | 0.573                            | See Table Below |
|               | LTE Band 30        | 0.964                  | 0.573                            | 1.537           |
|               | LTE Band 7         | 1.111                  | 0.573                            | See Table Below |
|               | LTE Band 48        | 0.496                  | 0.573                            | 1.069           |
|               | LTE Band 41        | 1.106                  | 0.573                            | See Table Below |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 293 of 337                 |

| Simult Tx   | Configuration | Cell. EVDO SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | UMTS 1750 SAR (W/kg)         | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------|----------------------------|--------------|-------------|---------------|------------------------------|----------------------------|--------------|
|             |               | 1                     | 2                          | 1+2          |             |               | 1                            | 2                          | 1+2          |
| Hotspot SAR | Back          | 1.077                 | 0.035                      | <b>1.112</b> | Hotspot SAR | Back          | 0.716                        | 0.035                      | 0.751        |
|             | Front         | 0.177                 | 0.573                      | 0.750        |             | Front         | 0.217                        | 0.573                      | 0.790        |
|             | Bottom        | 0.254                 | 0.193                      | 0.447        |             | Bottom        | 1.159                        | 0.193                      | <b>1.352</b> |
|             | Right         | 0.106                 | 0.048                      | 0.154        |             | Right         | 0.047                        | 0.048                      | 0.095        |
|             | Left          | 0.152                 | 0.506                      | 0.658        |             | Left          | 0.146                        | 0.506                      | 0.652        |
| Simult Tx   | Configuration | PCS EVDO SAR (W/kg)   | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                          | 1+2          |             |               | 1                            | 2                          | 1+2          |
| Hotspot SAR | Back          | 0.554                 | 0.035                      | 0.589        | Hotspot SAR | Back          | 0.728                        | 0.035                      | 0.763        |
|             | Front         | 0.158                 | 0.573                      | 0.731        |             | Front         | 0.227                        | 0.573                      | 0.800        |
|             | Bottom        | 1.037                 | 0.193                      | <b>1.230</b> |             | Bottom        | 1.161                        | 0.193                      | <b>1.354</b> |
|             | Right         | 0.034                 | 0.048                      | 0.082        |             | Right         | 0.033                        | 0.048                      | 0.081        |
|             | Left          | 0.094                 | 0.506                      | 0.600        |             | Left          | 0.193                        | 0.506                      | 0.699        |
| Simult Tx   | Configuration | GPRS 1900 SAR (W/kg)  | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                          | 1+2          |             |               | 1                            | 2                          | 1+2          |
| Hotspot SAR | Back          | 0.721                 | 0.035                      | 0.756        | Hotspot SAR | Back          | 0.664                        | 0.035                      | 0.699        |
|             | Front         | 0.141                 | 0.573                      | 0.714        |             | Front         | 0.218                        | 0.573                      | 0.791        |
|             | Bottom        | 1.132                 | 0.193                      | <b>1.325</b> |             | Bottom        | 1.161                        | 0.193                      | <b>1.354</b> |
|             | Right         | 0.037                 | 0.048                      | 0.085        |             | Right         | 0.041                        | 0.048                      | 0.089        |
|             | Left          | 0.084                 | 0.506                      | 0.590        |             | Left          | 0.106                        | 0.506                      | 0.612        |
| Simult Tx   | Configuration | UMTS 850 SAR (W/kg)   | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 7 SAR (W/kg)        | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                          | 1+2          |             |               | 1                            | 2                          | 1+2          |
| Hotspot SAR | Back          | 1.025                 | 0.035                      | <b>1.060</b> | Hotspot SAR | Back          | 0.304                        | 0.035                      | 0.339        |
|             | Front         | 0.251                 | 0.573                      | 0.824        |             | Front         | 0.081                        | 0.573                      | 0.654        |
|             | Bottom        | 0.208                 | 0.193                      | 0.401        |             | Bottom        | 1.111                        | 0.193                      | <b>1.304</b> |
|             | Right         | 0.128                 | 0.048                      | 0.176        |             | Right         | -                            | 0.048                      | 0.048        |
|             | Left          | 0.170                 | 0.506                      | 0.676        |             | Left          | 0.162                        | 0.506                      | 0.668        |

| Simult Tx   | Configuration | LTE Band 41 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------|----------------------------|--------------|
|             |               | 1                      | 2                          | 1+2          |
| Hotspot SAR | Back          | 0.488                  | 0.035                      | 0.523        |
|             | Front         | 0.042                  | 0.573                      | 0.615        |
|             | Bottom        | 1.106                  | 0.193                      | <b>1.299</b> |
|             | Right         | -                      | 0.048                      | 0.048        |
|             | Left          | 0.089                  | 0.506                      | 0.595        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 294 of 337                        |

| Configuration | Mode              | 5G SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|---------------|--------------------------------------|--------------|
|               |                   | 1             | 2                                    | 1+2          |
| Hotspot       | NR Band n71       | 0.679         | 0.273                                | 0.952        |
|               | NR Band n12       | 0.752         | 0.273                                | 1.025        |
|               | NR Band n5 (Cell) | 0.994         | 0.273                                | 1.267        |
|               | NR Band n25 (PCS) | 0.840         | 0.273                                | 1.113        |
|               | NR Band n66 (AWS) | 1.211         | 0.273                                | <b>1.484</b> |
|               | NR Band n30       | 1.201         | 0.273                                | 1.474        |
|               | NR Band n41       | 1.192         | 0.273                                | 1.465        |
|               | NR Band n77 DoD   | 0.600         | 0.273                                | 0.873        |
|               | NR Band n77       | 0.885         | 0.273                                | 1.158        |

**Table 12-57**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G SAR (W/kg) | 2.4 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|---------------------|------------------------------|-----------------|
|               |                    | 1                   | 2                            | 1+2             |
| Hotspot SAR   | Cell. EVDO         | 1.077               | 0.794                        | See Table Below |
|               | PCS EVDO           | 1.037               | 0.794                        | See Table Below |
|               | GPRS 850           | 0.548               | 0.794                        | 1.342           |
|               | GPRS 1900          | 1.132               | 0.794                        | See Table Below |
|               | UMTS 850           | 1.025               | 0.794                        | See Table Below |
|               | UMTS 1750          | 1.159               | 0.794                        | See Table Below |
|               | UMTS 1900          | 1.005               | 0.794                        | See Table Below |
|               | LTE Band 71        | 0.654               | 0.794                        | 1.448           |
|               | LTE Band 12        | 0.740               | 0.794                        | <b>1.534</b>    |
|               | LTE Band 13        | 0.733               | 0.794                        | 1.527           |
|               | LTE Band 14        | 0.856               | 0.794                        | See Table Below |
|               | LTE Band 26 (Cell) | 0.739               | 0.794                        | 1.533           |
|               | LTE Band 5 (Cell)  | 0.888               | 0.794                        | See Table Below |
|               | LTE Band 66 (AWS)  | 1.161               | 0.794                        | See Table Below |
|               | LTE Band 25 (PCS)  | 1.161               | 0.794                        | See Table Below |
|               | LTE Band 30        | 0.964               | 0.794                        | See Table Below |
|               | LTE Band 7         | 1.111               | 0.794                        | See Table Below |
|               | LTE Band 48        | 0.496               | 0.794                        | 1.290           |
|               | LTE Band 41        | 1.106               | 0.794                        | See Table Below |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT                |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 295 of 337                                                                       |                                        |

| Simult Tx      | Configuration | Cell. EVDO<br>SAR (W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx      | Configuration | LTE Band<br>14 SAR<br>(W/kg)       | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|----------------|---------------|--------------------------|---------------------------------------|-----------------|----------------|---------------|------------------------------------|---------------------------------------|-----------------|
|                |               | 1                        | 2                                     | 1+2             |                |               | 1                                  | 2                                     | 1+2             |
| Hotspot<br>SAR | Back          | 1.077                    | 0.249                                 | <b>1.326</b>    | Hotspot<br>SAR | Back          | 0.856                              | 0.249                                 | <b>1.105</b>    |
|                | Front         | 0.177                    | 0.589                                 | 0.766           |                | Front         | 0.106                              | 0.589                                 | 0.695           |
|                | Bottom        | 0.254                    | 0.411                                 | 0.665           |                | Bottom        | 0.283                              | 0.411                                 | 0.694           |
|                | Right         | 0.106                    | 0.234                                 | 0.340           |                | Right         | 0.123                              | 0.234                                 | 0.357           |
|                | Left          | 0.152                    | 0.794                                 | 0.946           |                | Left          | 0.174                              | 0.794                                 | 0.968           |
| Simult Tx      | Configuration | PCS EVDO<br>SAR (W/kg)   | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx      | Configuration | LTE Band 5<br>(Cell) SAR<br>(W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|                |               | 1                        | 2                                     | 1+2             |                |               | 1                                  | 2                                     | 1+2             |
| Hotspot<br>SAR | Back          | 0.554                    | 0.249                                 | 0.803           | Hotspot<br>SAR | Back          | 0.888                              | 0.249                                 | <b>1.137</b>    |
|                | Front         | 0.158                    | 0.589                                 | 0.747           |                | Front         | 0.150                              | 0.589                                 | 0.739           |
|                | Bottom        | 1.037                    | 0.411                                 | <b>1.448</b>    |                | Bottom        | 0.227                              | 0.411                                 | 0.638           |
|                | Right         | 0.034                    | 0.234                                 | 0.268           |                | Right         | 0.117                              | 0.234                                 | 0.351           |
|                | Left          | 0.094                    | 0.794                                 | 0.888           |                | Left          | 0.119                              | 0.794                                 | 0.913           |
| Simult Tx      | Configuration | GPRS 1900<br>SAR (W/kg)  | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx      | Configuration | LTE Band<br>66 (AWS)<br>SAR (W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|                |               | 1                        | 2                                     | 1+2             |                |               | 1                                  | 2                                     | 1+2             |
| Hotspot<br>SAR | Back          | 0.721                    | 0.249                                 | 0.970           | Hotspot<br>SAR | Back          | 0.728                              | 0.249                                 | 0.977           |
|                | Front         | 0.141                    | 0.589                                 | 0.730           |                | Front         | 0.227                              | 0.589                                 | 0.816           |
|                | Bottom        | 1.132                    | 0.411                                 | <b>1.543</b>    |                | Bottom        | 1.161                              | 0.411                                 | <b>1.572</b>    |
|                | Right         | 0.037                    | 0.234                                 | 0.271           |                | Right         | 0.033                              | 0.234                                 | 0.267           |
|                | Left          | 0.084                    | 0.794                                 | 0.878           |                | Left          | 0.193                              | 0.794                                 | 0.987           |
| Simult Tx      | Configuration | UMTS 850<br>SAR (W/kg)   | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx      | Configuration | LTE Band<br>25 (PCS)<br>SAR (W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|                |               | 1                        | 2                                     | 1+2             |                |               | 1                                  | 2                                     | 1+2             |
| Hotspot<br>SAR | Back          | 1.025                    | 0.249                                 | <b>1.274</b>    | Hotspot<br>SAR | Back          | 0.664                              | 0.249                                 | 0.913           |
|                | Front         | 0.251                    | 0.589                                 | 0.840           |                | Front         | 0.218                              | 0.589                                 | 0.807           |
|                | Bottom        | 0.208                    | 0.411                                 | 0.619           |                | Bottom        | 1.161                              | 0.411                                 | <b>1.572</b>    |
|                | Right         | 0.128                    | 0.234                                 | 0.362           |                | Right         | 0.041                              | 0.234                                 | 0.275           |
|                | Left          | 0.170                    | 0.794                                 | 0.964           |                | Left          | 0.106                              | 0.794                                 | 0.900           |
| Simult Tx      | Configuration | UMTS 1750<br>SAR (W/kg)  | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx      | Configuration | LTE Band<br>30 SAR<br>(W/kg)       | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|                |               | 1                        | 2                                     | 1+2             |                |               | 1                                  | 2                                     | 1+2             |
| Hotspot<br>SAR | Back          | 0.716                    | 0.249                                 | 0.965           | Hotspot<br>SAR | Back          | 0.640                              | 0.249                                 | 0.889           |
|                | Front         | 0.217                    | 0.589                                 | 0.806           |                | Front         | 0.043                              | 0.589                                 | 0.632           |
|                | Bottom        | 1.159                    | 0.411                                 | <b>1.570</b>    |                | Bottom        | 0.964                              | 0.411                                 | <b>1.375</b>    |
|                | Right         | 0.047                    | 0.234                                 | 0.281           |                | Right         | 0.030                              | 0.234                                 | 0.264           |
|                | Left          | 0.146                    | 0.794                                 | 0.940           |                | Left          | 0.054                              | 0.794                                 | 0.848           |
| Simult Tx      | Configuration | UMTS 1900<br>SAR (W/kg)  | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx      | Configuration | LTE Band 7<br>SAR (W/kg)           | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|                |               | 1                        | 2                                     | 1+2             |                |               | 1                                  | 2                                     | 1+2             |
| Hotspot<br>SAR | Back          | 0.654                    | 0.249                                 | 0.903           | Hotspot<br>SAR | Back          | 0.304                              | 0.249                                 | 0.553           |
|                | Front         | 0.126                    | 0.589                                 | 0.715           |                | Front         | 0.081                              | 0.589                                 | 0.670           |
|                | Bottom        | 1.005                    | 0.411                                 | <b>1.416</b>    |                | Bottom        | 1.111                              | 0.411                                 | <b>1.522</b>    |
|                | Right         | 0.049                    | 0.234                                 | 0.283           |                | Right         | -                                  | 0.234                                 | 0.234           |
|                | Left          | 0.097                    | 0.794                                 | 0.891           |                | Left          | 0.162                              | 0.794                                 | 0.956           |

| Simult Tx      | Configuration | LTE Band<br>41 SAR<br>(W/kg) | 2.4 GHz<br>WLAN<br>MIMO SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|----------------|---------------|------------------------------|---------------------------------------|-----------------|
|                |               | 1                            | 2                                     | 1+2             |
| Hotspot<br>SAR | Back          | 0.488                        | 0.249                                 | 0.737           |
|                | Front         | 0.042                        | 0.589                                 | 0.631           |
|                | Bottom        | 1.106                        | 0.411                                 | <b>1.517</b>    |
|                | Right         | -                            | 0.234                                 | 0.234           |
|                | Left          | 0.089                        | 0.794                                 | 0.883           |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 296 of 337                        |

| Configuration | Mode              | 5G SAR<br>(W/kg) | 2.4 GHz<br>WLAN MIMO<br>at 17 dBm<br>SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|------------------|-------------------------------------------------|--------------|
|               |                   | 1                | 2                                               | 1+2          |
| Hotspot       | NR Band n71       | 0.679            | 0.182                                           | 0.861        |
|               | NR Band n12       | 0.752            | 0.182                                           | 0.934        |
|               | NR Band n5 (Cell) | 0.994            | 0.182                                           | 1.176        |
|               | NR Band n66 (AWS) | 1.211            | 0.182                                           | <b>1.393</b> |
|               | NR Band n25 (PCS) | 0.840            | 0.182                                           | 1.022        |
|               | NR Band n30       | 1.201            | 0.182                                           | 1.383        |
|               | NR Band n41       | 1.192            | 0.182                                           | 1.374        |
|               | NR Band n77 DoD   | 0.600            | 0.182                                           | 0.782        |
|               | NR Band n77       | 0.885            | 0.182                                           | 1.067        |

**Table 12-58**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------------|--------------|
|               |                    | 1                      | 2                                        | 1+2          |
| Hotspot SAR   | Cell. EVDO         | 1.077                  | 0.288                                    | 1.365        |
|               | PCS EVDO           | 1.037                  | 0.288                                    | 1.325        |
|               | GPRS 850           | 0.548                  | 0.288                                    | 0.836        |
|               | GPRS 1900          | 1.132                  | 0.288                                    | 1.420        |
|               | UMTS 850           | 1.025                  | 0.288                                    | 1.313        |
|               | UMTS 1750          | 1.159                  | 0.288                                    | 1.447        |
|               | UMTS 1900          | 1.005                  | 0.288                                    | 1.293        |
|               | LTE Band 71        | 0.654                  | 0.288                                    | 0.942        |
|               | LTE Band 12        | 0.740                  | 0.288                                    | 1.028        |
|               | LTE Band 13        | 0.733                  | 0.288                                    | 1.021        |
|               | LTE Band 14        | 0.856                  | 0.288                                    | 1.144        |
|               | LTE Band 26 (Cell) | 0.739                  | 0.288                                    | 1.027        |
|               | LTE Band 5 (Cell)  | 0.888                  | 0.288                                    | 1.176        |
|               | LTE Band 66 (AWS)  | 1.161                  | 0.288                                    | <b>1.449</b> |
|               | LTE Band 25 (PCS)  | 1.161                  | 0.288                                    | <b>1.449</b> |
|               | LTE Band 30        | 0.964                  | 0.288                                    | 1.252        |
|               | LTE Band 7         | 1.111                  | 0.288                                    | 1.399        |
|               | LTE Band 48        | 0.496                  | 0.288                                    | 0.784        |
|               | LTE Band 41        | 1.106                  | 0.288                                    | 1.394        |

|                                             |                                                                                                                                                   |                               |                                                                                       |                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Product to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                | DUT Type:<br>Portable Handset |                                                                                       | Page 297 of 337                 |

| Configuration | Mode              | 5G SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 at 13 dBm<br>SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|------------------|-------------------------------------------------------|--------------|
|               |                   | 1                | 2                                                     | 1+2          |
| Hotspot SAR   | NR Band n71       | 0.679            | 0.112                                                 | 0.791        |
|               | NR Band n12       | 0.752            | 0.112                                                 | 0.864        |
|               | NR Band n5 (Cell) | 0.994            | 0.112                                                 | 1.106        |
|               | NR Band n66 (AWS) | 1.211            | 0.112                                                 | <b>1.323</b> |
|               | NR Band n25 (PCS) | 0.840            | 0.112                                                 | 0.952        |
|               | NR Band n30       | 1.201            | 0.112                                                 | 1.313        |
|               | NR Band n41       | 1.192            | 0.112                                                 | 1.304        |
|               | NR Band n77 DoD   | 0.600            | 0.112                                                 | 0.712        |
|               | NR Band n77       | 0.885            | 0.112                                                 | 0.997        |

**Table 12-59**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>2 SAR (W/kg) | Σ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------------|--------------|
|               |                    | 1                      | 2                                        | 1+2          |
| Hotspot SAR   | Cell. EVDO         | 1.077                  | 0.281                                    | 1.358        |
|               | PCS EVDO           | 1.037                  | 0.281                                    | 1.318        |
|               | GPRS 850           | 0.548                  | 0.281                                    | 0.829        |
|               | GPRS 1900          | 1.132                  | 0.281                                    | 1.413        |
|               | UMTS 850           | 1.025                  | 0.281                                    | 1.306        |
|               | UMTS 1750          | 1.159                  | 0.281                                    | 1.440        |
|               | UMTS 1900          | 1.005                  | 0.281                                    | 1.286        |
|               | LTE Band 71        | 0.654                  | 0.281                                    | 0.935        |
|               | LTE Band 12        | 0.740                  | 0.281                                    | 1.021        |
|               | LTE Band 13        | 0.733                  | 0.281                                    | 1.014        |
|               | LTE Band 14        | 0.856                  | 0.281                                    | 1.137        |
|               | LTE Band 26 (Cell) | 0.739                  | 0.281                                    | 1.020        |
|               | LTE Band 5 (Cell)  | 0.888                  | 0.281                                    | 1.169        |
|               | LTE Band 66 (AWS)  | 1.161                  | 0.281                                    | <b>1.442</b> |
|               | LTE Band 25 (PCS)  | 1.161                  | 0.281                                    | <b>1.442</b> |
|               | LTE Band 30        | 0.964                  | 0.281                                    | 1.245        |
|               | LTE Band 7         | 1.111                  | 0.281                                    | 1.392        |
|               | LTE Band 48        | 0.496                  | 0.281                                    | 0.777        |
|               | LTE Band 41        | 1.106                  | 0.281                                    | 1.387        |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 298 of 337                 |

| Configuration | Mode              | 5G SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant<br>2 at 13 dBm<br>SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|------------------|-------------------------------------------------------|--------------|
|               |                   | 1                | 2                                                     | 1+2          |
| Hotspot SAR   | NR Band n71       | 0.679            | 0.112                                                 | 0.791        |
|               | NR Band n12       | 0.752            | 0.112                                                 | 0.864        |
|               | NR Band n5 (Cell) | 0.994            | 0.112                                                 | 1.106        |
|               | NR Band n66 (AWS) | 1.211            | 0.112                                                 | <b>1.323</b> |
|               | NR Band n25 (PCS) | 0.840            | 0.112                                                 | 0.952        |
|               | NR Band n30       | 1.201            | 0.112                                                 | 1.313        |
|               | NR Band n41       | 1.192            | 0.112                                                 | 1.304        |
|               | NR Band n77 DoD   | 0.600            | 0.112                                                 | 0.712        |
|               | NR Band n77       | 0.885            | 0.112                                                 | 0.997        |

**Table 12-60**

**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5 GHz Antenna 1 WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR (W/kg) | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|------------------------|------------------------------------------|-----------------------------------|-----------------|
|               |                    | 1                      | 2                                        | 3                                 | 1+2+3           |
| Hotspot SAR   | Cell. EVDO         | 1.077                  | 0.288                                    | 0.225                             | <b>1.590</b>    |
|               | PCS EVDO           | 1.037                  | 0.288                                    | 0.225                             | 1.550           |
|               | GPRS 850           | 0.548                  | 0.288                                    | 0.225                             | 1.061           |
|               | GPRS 1900          | 1.132                  | 0.288                                    | 0.225                             | See Table Below |
|               | UMTS 850           | 1.025                  | 0.288                                    | 0.225                             | 1.538           |
|               | UMTS 1750          | 1.159                  | 0.288                                    | 0.225                             | See Table Below |
|               | UMTS 1900          | 1.005                  | 0.288                                    | 0.225                             | 1.518           |
|               | LTE Band 71        | 0.654                  | 0.288                                    | 0.225                             | 1.167           |
|               | LTE Band 12        | 0.740                  | 0.288                                    | 0.225                             | 1.253           |
|               | LTE Band 13        | 0.733                  | 0.288                                    | 0.225                             | 1.246           |
|               | LTE Band 14        | 0.856                  | 0.288                                    | 0.225                             | 1.369           |
|               | LTE Band 26 (Cell) | 0.739                  | 0.288                                    | 0.225                             | 1.252           |
|               | LTE Band 5 (Cell)  | 0.888                  | 0.288                                    | 0.225                             | 1.401           |
|               | LTE Band 66 (AWS)  | 1.161                  | 0.288                                    | 0.225                             | See Table Below |
|               | LTE Band 25 (PCS)  | 1.161                  | 0.288                                    | 0.225                             | See Table Below |
|               | LTE Band 30        | 0.964                  | 0.288                                    | 0.225                             | 1.477           |
|               | LTE Band 7         | 1.111                  | 0.288                                    | 0.225                             | See Table Below |
|               | LTE Band 48        | 0.496                  | 0.288                                    | 0.225                             | 1.009           |
|               | LTE Band 41        | 1.106                  | 0.288                                    | 0.225                             | See Table Below |

|                                             |                                                                                                                                                                                                        |                               |  |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset |  | Page 299 of 337                 |



| Simult Tx   | Configuration | GPRS 1900 SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|----------------------|------------------------------------|-----------------------------|--------------|-------------|---------------|------------------------------|------------------------------------|-----------------------------|--------------|
|             |               | 1                    | 2                                  | 2                           | 1+2+3        |             |               | 1                            | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.721                | 0.068                              | 0.027                       | 0.816        | Hotspot SAR | Back          | 0.728                        | 0.068                              | 0.027                       | 0.823        |
|             | Front         | 0.141                | 0.288                              | 0.225*                      | 0.654        |             | Front         | 0.227                        | 0.288                              | 0.225*                      | 0.740        |
|             | Bottom        | 1.132                | 0.123                              | 0.225                       | <b>1.480</b> |             | Bottom        | 1.161                        | 0.123                              | 0.225                       | <b>1.509</b> |
|             | Right         | 0.037                | 0.077                              | 0.225*                      | 0.339        |             | Right         | 0.033                        | 0.077                              | 0.225*                      | 0.335        |
|             | Left          | 0.084                | -                                  | -                           | 0.084        |             | Left          | 0.193                        | -                                  | -                           | 0.193        |
| Simult Tx   | Configuration | UMTS 1750 SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                    | 2                                  | 2                           | 1+2+3        |             |               | 1                            | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.716                | 0.068                              | 0.027                       | 0.811        | Hotspot SAR | Back          | 0.664                        | 0.068                              | 0.027                       | 0.759        |
|             | Front         | 0.217                | 0.288                              | 0.225*                      | 0.730        |             | Front         | 0.218                        | 0.288                              | 0.225*                      | 0.731        |
|             | Bottom        | 1.159                | 0.123                              | 0.225                       | <b>1.507</b> |             | Bottom        | 1.161                        | 0.123                              | 0.225                       | <b>1.509</b> |
|             | Right         | 0.047                | 0.077                              | 0.225*                      | 0.349        |             | Right         | 0.041                        | 0.077                              | 0.225*                      | 0.343        |
|             | Left          | 0.146                | -                                  | -                           | 0.146        |             | Left          | 0.106                        | -                                  | -                           | 0.106        |

| Simult Tx   | Configuration | LTE Band 7 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------|------------------------------------|-----------------------------|--------------|
|             |               | 1                      | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.304                  | 0.068                              | 0.027                       | 0.399        |
|             | Front         | 0.081                  | 0.288                              | 0.225*                      | 0.594        |
|             | Bottom        | 1.111                  | 0.123                              | 0.225                       | <b>1.459</b> |
|             | Right         | -                      | 0.077                              | 0.225*                      | 0.302        |
|             | Left          | 0.162                  | -                                  | -                           | 0.162        |
| Simult Tx   | Configuration | LTE Band 41 SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                      | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.488                  | 0.068                              | 0.027                       | 0.583        |
|             | Front         | 0.042                  | 0.288                              | 0.225*                      | 0.555        |
|             | Bottom        | 1.106                  | 0.123                              | 0.225                       | <b>1.454</b> |
|             | Right         | -                      | 0.077                              | 0.225*                      | 0.302        |
|             | Left          | 0.089                  | -                                  | -                           | 0.089        |

| Configuration | Mode              | 5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 at 13 dBm SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|---------------|----------------------------------------------|---------------------------------------|--------------|
|               |                   | 1             | 2                                            | 3                                     | 1+2+3        |
| Hotspot SAR   | NR Band n71       | 0.679         | 0.112                                        | 0.062                                 | 0.853        |
|               | NR Band n12       | 0.752         | 0.112                                        | 0.062                                 | 0.926        |
|               | NR Band n5 (Cell) | 0.994         | 0.112                                        | 0.062                                 | 1.168        |
|               | NR Band n66 (AWS) | 1.211         | 0.112                                        | 0.062                                 | <b>1.385</b> |
|               | NR Band n25 (PCS) | 0.840         | 0.112                                        | 0.062                                 | 1.014        |
|               | NR Band n30       | 1.201         | 0.112                                        | 0.062                                 | 1.375        |
|               | NR Band n41       | 1.192         | 0.112                                        | 0.062                                 | 1.366        |
|               | NR Band n77 DoD   | 0.600         | 0.112                                        | 0.062                                 | 0.774        |
|               | NR Band n77       | 0.885         | 0.112                                        | 0.062                                 | 1.059        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 300 of 337                        |



Table 12-61

**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5 GHz Antenna 1 WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|---------------------|------------------------------------|-----------------------------|-----------------|
|               |                    | 1                   | 2                                  | 3                           | 1+2+3           |
| Hotspot SAR   | Cell. EVDO         | 1.077               | 0.281                              | 0.225                       | <b>1.583</b>    |
|               | PCS EVDO           | 1.037               | 0.281                              | 0.225                       | 1.543           |
|               | GPRS 850           | 0.548               | 0.281                              | 0.225                       | 1.054           |
|               | GPRS 1900          | 1.132               | 0.281                              | 0.225                       | See Table Below |
|               | UMTS 850           | 1.025               | 0.281                              | 0.225                       | 1.531           |
|               | UMTS 1750          | 1.159               | 0.281                              | 0.225                       | See Table Below |
|               | UMTS 1900          | 1.005               | 0.281                              | 0.225                       | 1.511           |
|               | LTE Band 71        | 0.654               | 0.281                              | 0.225                       | 1.160           |
|               | LTE Band 12        | 0.740               | 0.281                              | 0.225                       | 1.246           |
|               | LTE Band 13        | 0.733               | 0.281                              | 0.225                       | 1.239           |
|               | LTE Band 14        | 0.856               | 0.281                              | 0.225                       | 1.362           |
|               | LTE Band 26 (Cell) | 0.739               | 0.281                              | 0.225                       | 1.245           |
|               | LTE Band 5 (Cell)  | 0.888               | 0.281                              | 0.225                       | 1.394           |
|               | LTE Band 66 (AWS)  | 1.161               | 0.281                              | 0.225                       | See Table Below |
|               | LTE Band 25 (PCS)  | 1.161               | 0.281                              | 0.225                       | See Table Below |
|               | LTE Band 30        | 0.964               | 0.281                              | 0.225                       | 1.470           |
|               | LTE Band 7         | 1.111               | 0.281                              | 0.225                       | See Table Below |
|               | LTE Band 48        | 0.496               | 0.281                              | 0.225                       | 1.002           |
|               | LTE Band 41        | 1.106               | 0.281                              | 0.225                       | See Table Below |

| Simult Tx   | Configuration | GPRS 1900 SAR (W/kg)         | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------------|------------------------------------|-----------------------------|--------------|
|             |               | 1                            | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.721                        | 0.084                              | 0.027                       | 0.832        |
|             | Front         | 0.141                        | 0.277                              | 0.225*                      | 0.643        |
|             | Bottom        | 1.132                        | 0.203                              | 0.225                       | <b>1.560</b> |
|             | Right         | 0.037                        | -                                  | 0.225*                      | 0.262        |
|             | Left          | 0.084                        | 0.281                              | -                           | 0.365        |
| Simult Tx   | Configuration | UMTS 1750 SAR (W/kg)         | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.716                        | 0.084                              | 0.027                       | 0.827        |
|             | Front         | 0.217                        | 0.277                              | 0.225*                      | 0.719        |
|             | Bottom        | 1.159                        | 0.203                              | 0.225                       | <b>1.587</b> |
|             | Right         | 0.047                        | -                                  | 0.225*                      | 0.272        |
|             | Left          | 0.146                        | 0.281                              | -                           | 0.427        |
| Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.728                        | 0.084                              | 0.027                       | 0.839        |
|             | Front         | 0.227                        | 0.277                              | 0.225*                      | 0.729        |
|             | Bottom        | 1.161                        | 0.203                              | 0.225                       | <b>1.589</b> |
|             | Right         | 0.033                        | -                                  | 0.225*                      | 0.258        |
|             | Left          | 0.193                        | 0.281                              | -                           | 0.474        |

| Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------------|------------------------------------|-----------------------------|--------------|
|             |               | 1                            | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.664                        | 0.084                              | 0.027                       | 0.775        |
|             | Front         | 0.218                        | 0.277                              | 0.225*                      | 0.720        |
|             | Bottom        | 1.161                        | 0.203                              | 0.225                       | <b>1.589</b> |
|             | Right         | 0.041                        | -                                  | 0.225*                      | 0.266        |
|             | Left          | 0.106                        | 0.281                              | -                           | 0.387        |
| Simult Tx   | Configuration | LTE Band 7 SAR (W/kg)        | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.304                        | 0.084                              | 0.027                       | 0.415        |
|             | Front         | 0.081                        | 0.277                              | 0.225*                      | 0.583        |
|             | Bottom        | 1.111                        | 0.203                              | 0.225                       | <b>1.539</b> |
|             | Right         | -                            | -                                  | 0.225*                      | 0.225        |
|             | Left          | 0.162                        | 0.281                              | -                           | 0.443        |
| Simult Tx   | Configuration | LTE Band 41 SAR (W/kg)       | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 2                           | 1+2+3        |
| Hotspot SAR | Back          | 0.488                        | 0.084                              | 0.027                       | 0.599        |
|             | Front         | 0.042                        | 0.277                              | 0.225*                      | 0.544        |
|             | Bottom        | 1.106                        | 0.203                              | 0.225                       | <b>1.534</b> |
|             | Right         | -                            | -                                  | 0.225*                      | 0.225        |
|             | Left          | 0.089                        | 0.281                              | -                           | 0.370        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 301 of 337                        |

| Configuration | Mode              | 5G SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant<br>2 at 13 dBm<br>SAR (W/kg) | 5 GHz WLAN<br>Ant 1 at 14<br>dBm SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|-------------------|------------------|-------------------------------------------------------|------------------------------------------------|---------------------|
|               |                   | 1                | 2                                                     | 3                                              | 1+2+3               |
| Hotspot SAR   | NR Band n71       | 0.679            | 0.112                                                 | 0.062                                          | 0.853               |
|               | NR Band n12       | 0.752            | 0.112                                                 | 0.062                                          | 0.926               |
|               | NR Band n5 (Cell) | 0.994            | 0.112                                                 | 0.062                                          | 1.168               |
|               | NR Band n66 (AWS) | 1.211            | 0.112                                                 | 0.062                                          | <b>1.385</b>        |
|               | NR Band n25 (PCS) | 0.840            | 0.112                                                 | 0.062                                          | 1.014               |
|               | NR Band n30       | 1.201            | 0.112                                                 | 0.062                                          | 1.375               |
|               | NR Band n41       | 1.192            | 0.112                                                 | 0.062                                          | 1.366               |
|               | NR Band n77 DoD   | 0.600            | 0.112                                                 | 0.062                                          | 0.774               |
|               | NR Band n77       | 0.885            | 0.112                                                 | 0.062                                          | 1.059               |

**Table 12-62**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 5GHz MIMO WLAN (Hotspot at 1.0cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR (W/kg) | 5 GHz WLAN<br>MIMO SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------------|----------------------------------|---------------------|
|               |                    | 1                      | 2                                        | 2                                | 1+2+3               |
| Hotspot SAR   | Cell. EVDO         | 1.077                  | 0.288                                    | 0.573                            | See Table Below     |
|               | PCS EVDO           | 1.037                  | 0.288                                    | 0.573                            | See Table Below     |
|               | GPRS 850           | 0.548                  | 0.288                                    | 0.573                            | 1.409               |
|               | GPRS 1900          | 1.132                  | 0.288                                    | 0.573                            | See Table Below     |
|               | UMTS 850           | 1.025                  | 0.288                                    | 0.573                            | See Table Below     |
|               | UMTS 1750          | 1.159                  | 0.288                                    | 0.573                            | See Table Below     |
|               | UMTS 1900          | 1.005                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 71        | 0.654                  | 0.288                                    | 0.573                            | 1.515               |
|               | LTE Band 12        | 0.740                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 13        | 0.733                  | 0.288                                    | 0.573                            | <b>1.594</b>        |
|               | LTE Band 14        | 0.856                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 26 (Cell) | 0.739                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 5 (Cell)  | 0.888                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 66 (AWS)  | 1.161                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 25 (PCS)  | 1.161                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 30        | 0.964                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 7         | 1.111                  | 0.288                                    | 0.573                            | See Table Below     |
|               | LTE Band 48        | 0.496                  | 0.288                                    | 0.573                            | 1.357               |
|               | LTE Band 41        | 1.106                  | 0.288                                    | 0.573                            | See Table Below     |

|                                                    |                                                                                                                                                 |                                      |                                                                                       |                                        |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 302 of 337                                                                       |                                        |

| Simult Tx   | Configuration | Cell. EVDO SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 12 SAR (W/kg)        | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------|------------------------------------|----------------------------|--------------|-------------|---------------|-------------------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                     | 2                                  | 3                          | 1+2+3        |             |               | 1                             | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 1.077                 | 0.068                              | 0.035                      | <b>1.180</b> | Hotspot SAR | Back          | 0.740                         | 0.068                              | 0.035                      | 0.843        |
|             | Front         | 0.177                 | 0.288                              | 0.573                      | 1.038        |             | Front         | 0.195                         | 0.288                              | 0.573                      | <b>1.056</b> |
|             | Bottom        | 0.254                 | 0.123                              | 0.193                      | 0.570        |             | Bottom        | 0.149                         | 0.123                              | 0.193                      | 0.465        |
|             | Right         | 0.106                 | 0.077                              | 0.048                      | 0.231        |             | Right         | 0.130                         | 0.077                              | 0.048                      | 0.255        |
|             | Left          | 0.152                 | -                                  | 0.506                      | 0.658        |             | Left          | 0.249                         | -                                  | 0.506                      | 0.755        |
| Simult Tx   | Configuration | PCS EVDO SAR (W/kg)   | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 14 SAR (W/kg)        | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                          | 1+2+3        |             |               | 1                             | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.554                 | 0.068                              | 0.035                      | 0.657        | Hotspot SAR | Back          | 0.856                         | 0.068                              | 0.035                      | 0.959        |
|             | Front         | 0.158                 | 0.288                              | 0.573                      | 1.019        |             | Front         | 0.106                         | 0.288                              | 0.573                      | <b>0.967</b> |
|             | Bottom        | 1.037                 | 0.123                              | 0.193                      | <b>1.353</b> |             | Bottom        | 0.283                         | 0.123                              | 0.193                      | 0.599        |
|             | Right         | 0.034                 | 0.077                              | 0.048                      | 0.159        |             | Right         | 0.123                         | 0.077                              | 0.048                      | 0.248        |
|             | Left          | 0.094                 | -                                  | 0.506                      | 0.600        |             | Left          | 0.174                         | -                                  | 0.506                      | 0.680        |
| Simult Tx   | Configuration | GPRS 1900 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 26 (Cell) SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                          | 1+2+3        |             |               | 1                             | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.721                 | 0.068                              | 0.035                      | 0.824        | Hotspot SAR | Back          | 0.739                         | 0.068                              | 0.035                      | 0.842        |
|             | Front         | 0.141                 | 0.288                              | 0.573                      | 1.002        |             | Front         | 0.135                         | 0.288                              | 0.573                      | <b>0.996</b> |
|             | Bottom        | 1.132                 | 0.123                              | 0.193                      | <b>1.448</b> |             | Bottom        | 0.176                         | 0.123                              | 0.193                      | 0.492        |
|             | Right         | 0.037                 | 0.077                              | 0.048                      | 0.162        |             | Right         | 0.107                         | 0.077                              | 0.048                      | 0.232        |
|             | Left          | 0.084                 | -                                  | 0.506                      | 0.590        |             | Left          | 0.196                         | -                                  | 0.506                      | 0.702        |
| Simult Tx   | Configuration | UMTS 850 SAR (W/kg)   | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 5 (Cell) SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                          | 1+2+3        |             |               | 1                             | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 1.025                 | 0.068                              | 0.035                      | <b>1.128</b> | Hotspot SAR | Back          | 0.888                         | 0.068                              | 0.035                      | 0.991        |
|             | Front         | 0.251                 | 0.288                              | 0.573                      | 1.112        |             | Front         | 0.150                         | 0.288                              | 0.573                      | <b>1.011</b> |
|             | Bottom        | 0.208                 | 0.123                              | 0.193                      | 0.524        |             | Bottom        | 0.227                         | 0.123                              | 0.193                      | 0.543        |
|             | Right         | 0.128                 | 0.077                              | 0.048                      | 0.253        |             | Right         | 0.117                         | 0.077                              | 0.048                      | 0.242        |
|             | Left          | 0.170                 | -                                  | 0.506                      | 0.676        |             | Left          | 0.119                         | -                                  | 0.506                      | 0.625        |
| Simult Tx   | Configuration | UMTS 1750 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                          | 1+2+3        |             |               | 1                             | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.716                 | 0.068                              | 0.035                      | 0.819        | Hotspot SAR | Back          | 0.728                         | 0.068                              | 0.035                      | 0.831        |
|             | Front         | 0.217                 | 0.288                              | 0.573                      | 1.078        |             | Front         | 0.227                         | 0.288                              | 0.573                      | 1.088        |
|             | Bottom        | 1.159                 | 0.123                              | 0.193                      | <b>1.475</b> |             | Bottom        | 1.161                         | 0.123                              | 0.193                      | <b>1.477</b> |
|             | Right         | 0.047                 | 0.077                              | 0.048                      | 0.172        |             | Right         | 0.033                         | 0.077                              | 0.048                      | 0.158        |
|             | Left          | 0.146                 | -                                  | 0.506                      | 0.652        |             | Left          | 0.193                         | -                                  | 0.506                      | 0.699        |
| Simult Tx   | Configuration | UMTS 1900 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                          | 1+2+3        |             |               | 1                             | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.654                 | 0.068                              | 0.035                      | 0.757        | Hotspot SAR | Back          | 0.664                         | 0.068                              | 0.035                      | 0.767        |
|             | Front         | 0.126                 | 0.288                              | 0.573                      | 0.987        |             | Front         | 0.218                         | 0.288                              | 0.573                      | 1.079        |
|             | Bottom        | 1.005                 | 0.123                              | 0.193                      | <b>1.321</b> |             | Bottom        | 1.161                         | 0.123                              | 0.193                      | <b>1.477</b> |
|             | Right         | 0.049                 | 0.077                              | 0.048                      | 0.174        |             | Right         | 0.041                         | 0.077                              | 0.048                      | 0.166        |
|             | Left          | 0.097                 | -                                  | 0.506                      | 0.603        |             | Left          | 0.106                         | -                                  | 0.506                      | 0.612        |

|                                             |                                                                                                                                                                                                                             |                               |                       |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of</small>  |                               | SAR EVALUATION REPORT |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                       | Page 303 of 337                                                                       |                                 |

| Simult Tx   | Configuration | LTE Band 30 SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 7 SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------|------------------------------------|----------------------------|--------------|-------------|---------------|-----------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                      | 2                                  | 3                          | 1+2+3        |             |               | 1                     | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.640                  | 0.068                              | 0.035                      | 0.743        | Hotspot SAR | Back          | 0.304                 | 0.068                              | 0.035                      | 0.407        |
|             | Front         | 0.043                  | 0.288                              | 0.573                      | 0.904        |             | Front         | 0.081                 | 0.288                              | 0.573                      | 0.942        |
|             | Bottom        | 0.964                  | 0.123                              | 0.193                      | <b>1.280</b> |             | Bottom        | 1.111                 | 0.123                              | 0.193                      | <b>1.427</b> |
|             | Right         | 0.030                  | 0.077                              | 0.048                      | 0.155        |             | Right         | -                     | 0.077                              | 0.048                      | 0.125        |
|             | Left          | 0.054                  | -                                  | 0.506                      | 0.560        |             | Left          | 0.162                 | -                                  | 0.506                      | 0.668        |

| Simult Tx   | Configuration | LTE Band 41 SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                      | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.488                  | 0.068                              | 0.035                      | 0.591        |
|             | Front         | 0.042                  | 0.288                              | 0.573                      | 0.903        |
|             | Bottom        | 1.106                  | 0.123                              | 0.193                      | <b>1.422</b> |
|             | Right         | -                      | 0.077                              | 0.048                      | 0.125        |
|             | Left          | 0.089                  | -                                  | 0.506                      | 0.595        |

| Configuration | Mode              | 5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 at 13 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg)    |
|---------------|-------------------|---------------|----------------------------------------------|--------------------------------------|-----------------|
|               |                   | 1             | 2                                            | 3                                    | 1+2+3           |
| Hotspot SAR   | NR Band n71       | 0.679         | 0.112                                        | 0.273                                | 1.064           |
|               | NR Band n12       | 0.752         | 0.112                                        | 0.273                                | 1.137           |
|               | NR Band n5 (Cell) | 0.994         | 0.112                                        | 0.273                                | 1.379           |
|               | NR Band n25 (PCS) | 0.840         | 0.112                                        | 0.273                                | 1.225           |
|               | NR Band n66 (AWS) | 1.211         | 0.112                                        | 0.273                                | See Table Below |
|               | NR Band n30       | 1.201         | 0.112                                        | 0.273                                | <b>1.586</b>    |
|               | NR Band n41       | 1.192         | 0.112                                        | 0.273                                | 1.577           |
|               | NR Band n77 DoD   | 0.600         | 0.112                                        | 0.273                                | 0.985           |
|               | NR Band n77       | 0.885         | 0.112                                        | 0.273                                | 1.270           |

| Simult Tx      | Configuration | NR Band<br>n66 (AWS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 at 13 dBm<br>SAR (W/kg) | 5 GHz<br>WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR<br>(W/kg) | Simult Tx      | Configuration | NR Band<br>n66 (AWS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 at 13 dBm<br>SAR (W/kg) | 5 GHz<br>WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|----------------|---------------|---------------------------------------------|-------------------------------------------------------|--------------------------------------------------|-----------------|----------------|---------------|---------------------------------------------|-------------------------------------------------------|--------------------------------------------------|-----------------|
|                |               | 1                                           | 2                                                     | 2                                                | 1+2+3           |                |               | 1                                           | 2                                                     | 2                                                | 1+2+3           |
|                |               |                                             |                                                       |                                                  |                 |                |               |                                             |                                                       |                                                  |                 |
| Hotspot<br>SAR | Back          | 0.733                                       | 0.029                                                 | 0.273*                                           | 1.035           | Hotspot<br>SAR | Back          | 0.049                                       | 0.029                                                 | 0.273*                                           | 0.351           |
|                | Front         | 0.234                                       | 0.112                                                 | 0.263                                            | 0.609           |                | Front         | 0.624                                       | 0.112                                                 | 0.263                                            | 0.999           |
|                | Bottom        | 1.198                                       | 0.056                                                 | 0.140                                            | <b>1.394</b>    |                | Top           | 0.022                                       | -                                                     | -                                                | 0.022           |
|                | Right         | 0.062                                       | 0.032                                                 | 0.019                                            | 0.113           |                | Bottom        | 0.034                                       | 0.056                                                 | 0.140                                            | 0.230           |
|                | Left          | 0.119                                       | -                                                     | 0.273                                            | 0.392           |                | Right         | 1.211                                       | 0.032                                                 | 0.019                                            | <b>1.262</b>    |
|                |               |                                             |                                                       |                                                  |                 |                | Left          | -                                           | -                                                     | 0.273                                            | 0.273           |

|                                             |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 304 of 337                 |

**Table 12-63**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 2 and 5GHz MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|---------------------|------------------------------------|----------------------------|-----------------|
|               |                    | 1                   | 2                                  | 3                          | 1+2+3           |
| Hotspot SAR   | Cell. EVDO         | 1.077               | 0.281                              | 0.573                      | See Table Below |
|               | PCS EVDO           | 1.037               | 0.281                              | 0.573                      | See Table Below |
|               | GPRS 850           | 0.548               | 0.281                              | 0.573                      | 1.402           |
|               | GPRS 1900          | 1.132               | 0.281                              | 0.573                      | See Table Below |
|               | UMTS 850           | 1.025               | 0.281                              | 0.573                      | See Table Below |
|               | UMTS 1750          | 1.159               | 0.281                              | 0.573                      | See Table Below |
|               | UMTS 1900          | 1.005               | 0.281                              | 0.573                      | See Table Below |
|               | LTE Band 71        | 0.654               | 0.281                              | 0.573                      | 1.508           |
|               | LTE Band 12        | 0.740               | 0.281                              | 0.573                      | <b>1.594</b>    |
|               | LTE Band 13        | 0.733               | 0.281                              | 0.573                      | 1.587           |
|               | LTE Band 14        | 0.856               | 0.281                              | 0.573                      | See Table Below |
|               | LTE Band 26 (Cell) | 0.739               | 0.281                              | 0.573                      | 1.593           |
|               | LTE Band 5 (Cell)  | 0.888               | 0.281                              | 0.573                      | See Table Below |
|               | LTE Band 66 (AWS)  | 1.161               | 0.281                              | 0.573                      | See Table Below |
|               | LTE Band 25 (PCS)  | 1.161               | 0.281                              | 0.573                      | See Table Below |
|               | LTE Band 30        | 0.964               | 0.281                              | 0.573                      | See Table Below |
|               | LTE Band 7         | 1.111               | 0.281                              | 0.573                      | See Table Below |
|               | LTE Band 48        | 0.496               | 0.281                              | 0.573                      | 1.350           |
|               | LTE Band 41        | 1.106               | 0.281                              | 0.573                      | See Table Below |

| Simult Tx   | Configuration | Cell. EVDO SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                     | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 1.077                 | 0.084                              | 0.035                      | <b>1.196</b> |
|             | Front         | 0.177                 | 0.277                              | 0.573                      | 1.027        |
|             | Bottom        | 0.254                 | 0.203                              | 0.193                      | 0.650        |
|             | Right         | 0.106                 | -                                  | 0.048                      | 0.154        |
|             | Left          | 0.152                 | 0.281                              | 0.506                      | 0.939        |

| Simult Tx   | Configuration | PCS EVDO SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|---------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                   | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.554               | 0.084                              | 0.035                      | 0.673        |
|             | Front         | 0.158               | 0.277                              | 0.573                      | 1.008        |
|             | Bottom        | 1.037               | 0.203                              | 0.193                      | <b>1.433</b> |
|             | Right         | 0.034               | -                                  | 0.048                      | 0.082        |
|             | Left          | 0.094               | 0.281                              | 0.506                      | 0.881        |

| Simult Tx   | Configuration | GPRS 1900 SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|----------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                    | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.721                | 0.084                              | 0.035                      | 0.840        |
|             | Front         | 0.141                | 0.277                              | 0.573                      | 0.991        |
|             | Bottom        | 1.132                | 0.203                              | 0.193                      | <b>1.528</b> |
|             | Right         | 0.037                | -                                  | 0.048                      | 0.085        |
|             | Left          | 0.084                | 0.281                              | 0.506                      | 0.871        |

| Simult Tx   | Configuration | UMTS 850 SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|---------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                   | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 1.025               | 0.084                              | 0.035                      | <b>1.144</b> |
|             | Front         | 0.251               | 0.277                              | 0.573                      | 1.101        |
|             | Bottom        | 0.208               | 0.203                              | 0.193                      | 0.604        |
|             | Right         | 0.128               | -                                  | 0.048                      | 0.176        |
|             | Left          | 0.170               | 0.281                              | 0.506                      | 0.957        |

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
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| Simult Tx   | Configuration | UMTS 1750 SAR (W/kg)         | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------------|------------------------------------|----------------------------|--------------|-------------|---------------|------------------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                            | 2                                  | 3                          | 1+2+3        |             |               | 1                            | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.716                        | 0.084                              | 0.035                      | 0.835        | Hotspot SAR | Back          | 0.728                        | 0.084                              | 0.035                      | 0.847        |
|             | Front         | 0.217                        | 0.277                              | 0.573                      | 1.067        |             | Front         | 0.227                        | 0.277                              | 0.573                      | 1.077        |
|             | Bottom        | 1.159                        | 0.203                              | 0.193                      | <b>1.555</b> |             | Bottom        | 1.161                        | 0.203                              | 0.193                      | <b>1.557</b> |
|             | Right         | 0.047                        | -                                  | 0.048                      | 0.095        |             | Right         | 0.033                        | -                                  | 0.048                      | 0.081        |
|             | Left          | 0.146                        | 0.281                              | 0.506                      | 0.933        |             | Left          | 0.193                        | 0.281                              | 0.506                      | 0.980        |
| Simult Tx   | Configuration | UMTS 1900 SAR (W/kg)         | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 3                          | 1+2+3        |             |               | 1                            | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.654                        | 0.084                              | 0.035                      | 0.773        | Hotspot SAR | Back          | 0.664                        | 0.084                              | 0.035                      | 0.783        |
|             | Front         | 0.126                        | 0.277                              | 0.573                      | 0.976        |             | Front         | 0.218                        | 0.277                              | 0.573                      | 1.068        |
|             | Bottom        | 1.005                        | 0.203                              | 0.193                      | <b>1.401</b> |             | Bottom        | 1.161                        | 0.203                              | 0.193                      | <b>1.557</b> |
|             | Right         | 0.049                        | -                                  | 0.048                      | 0.097        |             | Right         | 0.041                        | -                                  | 0.048                      | 0.089        |
|             | Left          | 0.097                        | 0.281                              | 0.506                      | 0.884        |             | Left          | 0.106                        | 0.281                              | 0.506                      | 0.893        |
| Simult Tx   | Configuration | LTE Band 14 SAR (W/kg)       | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 30 SAR (W/kg)       | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 3                          | 1+2+3        |             |               | 1                            | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.856                        | 0.084                              | 0.035                      | <b>0.975</b> | Hotspot SAR | Back          | 0.640                        | 0.084                              | 0.035                      | 0.759        |
|             | Front         | 0.106                        | 0.277                              | 0.573                      | 0.956        |             | Front         | 0.043                        | 0.277                              | 0.573                      | 0.893        |
|             | Bottom        | 0.283                        | 0.203                              | 0.193                      | 0.679        |             | Bottom        | 0.964                        | 0.203                              | 0.193                      | <b>1.360</b> |
|             | Right         | 0.123                        | -                                  | 0.048                      | 0.171        |             | Right         | 0.030                        | -                                  | 0.048                      | 0.078        |
|             | Left          | 0.174                        | 0.281                              | 0.506                      | 0.961        |             | Left          | 0.054                        | 0.281                              | 0.506                      | 0.841        |
| Simult Tx   | Configuration | LTE Band 5 (Cell) SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 7 SAR (W/kg)        | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 3                          | 1+2+3        |             |               | 1                            | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.888                        | 0.084                              | 0.035                      | <b>1.007</b> | Hotspot SAR | Back          | 0.304                        | 0.084                              | 0.035                      | 0.423        |
|             | Front         | 0.150                        | 0.277                              | 0.573                      | 1.000        |             | Front         | 0.081                        | 0.277                              | 0.573                      | 0.931        |
|             | Bottom        | 0.227                        | 0.203                              | 0.193                      | 0.623        |             | Bottom        | 1.111                        | 0.203                              | 0.193                      | <b>1.507</b> |
|             | Right         | 0.117                        | -                                  | 0.048                      | 0.165        |             | Right         | -                            | -                                  | 0.048                      | 0.048        |
|             | Left          | 0.119                        | 0.281                              | 0.506                      | 0.906        |             | Left          | 0.162                        | 0.281                              | 0.506                      | 0.949        |

| Simult Tx   | Configuration | LTE Band 41 SAR (W/kg) | 2.4 GHz Bluetooth Ant 2 SAR (W/kg) | 5 GHz WLAN MIMO SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------|------------------------------------|----------------------------|--------------|
|             |               | 1                      | 2                                  | 3                          | 1+2+3        |
| Hotspot SAR | Back          | 0.488                  | 0.084                              | 0.035                      | 0.607        |
|             | Front         | 0.042                  | 0.277                              | 0.573                      | 0.892        |
|             | Bottom        | 1.106                  | 0.203                              | 0.193                      | <b>1.502</b> |
|             | Right         | -                      | -                                  | 0.048                      | 0.048        |
|             | Left          | 0.089                  | 0.281                              | 0.506                      | 0.876        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 306 of 337                        |



| Configuration | Mode              | 5G SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant<br>2 at 13 dBm<br>SAR (W/kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|-------------------|------------------|-------------------------------------------------------|-----------------------------------------------|-----------------|
|               |                   | 1                | 2                                                     | 3                                             | 1+2+3           |
| Hotspot SAR   | NR Band n71       | 0.679            | 0.112                                                 | 0.273                                         | 1.064           |
|               | NR Band n12       | 0.752            | 0.112                                                 | 0.273                                         | 1.137           |
|               | NR Band n5 (Cell) | 0.994            | 0.112                                                 | 0.273                                         | 1.379           |
|               | NR Band n66 (AWS) | 1.211            | 0.112                                                 | 0.273                                         | See Table Below |
|               | NR Band n25 (PCS) | 0.840            | 0.112                                                 | 0.273                                         | 1.225           |
|               | NR Band n30       | 1.201            | 0.112                                                 | 0.273                                         | <b>1.586</b>    |
|               | NR Band n41       | 1.192            | 0.112                                                 | 0.273                                         | 1.577           |
|               | NR Band n77 DoD   | 0.600            | 0.112                                                 | 0.273                                         | 0.985           |
|               | NR Band n77       | 0.885            | 0.112                                                 | 0.273                                         | 1.270           |

| Simult Tx      | Configuration | NR Band<br>n66 (AWS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant 2<br>at 13 dBm SAR<br>(W/kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|----------------|---------------|---------------------------------------------|-------------------------------------------------------|-----------------------------------------------|-----------------|
|                |               | 1                                           | 2                                                     | 3                                             | 1+2+3           |
| Hotspot<br>SAR | Back          | 0.733                                       | 0.035                                                 | 0.273*                                        | 1.041           |
|                | Front         | 0.234                                       | 0.112                                                 | 0.263                                         | 0.609           |
|                | Bottom        | 1.198                                       | 0.089                                                 | 0.140                                         | <b>1.427</b>    |
|                | Right         | 0.062                                       | -                                                     | 0.019                                         | 0.081           |
|                | Left          | 0.119                                       | 0.110                                                 | 0.273                                         | 0.502           |
| Simult Tx      | Configuration | NR Band<br>n66 (AWS)<br>Ant I SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant 2<br>at 13 dBm SAR<br>(W/kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|                |               | 1                                           | 2                                                     | 3                                             | 1+2+3           |
| Hotspot<br>SAR | Back          | 0.049                                       | 0.035                                                 | 0.273*                                        | 0.357           |
|                | Front         | 0.624                                       | 0.112                                                 | 0.263                                         | 0.999           |
|                | Top           | 0.022                                       | -                                                     | -                                             | 0.022           |
|                | Bottom        | 0.034                                       | 0.089                                                 | 0.140                                         | 0.263           |
|                | Right         | 1.211                                       | -                                                     | 0.019                                         | <b>1.230</b>    |
|                | Left          | -                                           | 0.110                                                 | 0.273                                         | 0.383           |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  |                               | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset | Page 307 of 337                 |

**Table 12-64**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1 and 2.4 GHz WLAN Antenna 2**  
**(Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|--------------------|------------------------|------------------------------------------|-------------------------------------|---------------------|
|               |                    | 1                      | 2                                        | 2                                   | 1+2+3               |
| Hotspot SAR   | Cell. EVDO         | 1.077                  | 0.288                                    | 0.311                               | See Table Below     |
|               | PCS EVDO           | 1.037                  | 0.288                                    | 0.311                               | See Table Below     |
|               | GPRS 850           | 0.548                  | 0.288                                    | 0.311                               | 1.147               |
|               | GPRS 1900          | 1.132                  | 0.288                                    | 0.311                               | See Table Below     |
|               | UMTS 850           | 1.025                  | 0.288                                    | 0.311                               | See Table Below     |
|               | UMTS 1750          | 1.159                  | 0.288                                    | 0.311                               | See Table Below     |
|               | UMTS 1900          | 1.005                  | 0.288                                    | 0.311                               | See Table Below     |
|               | LTE Band 71        | 0.654                  | 0.288                                    | 0.311                               | 1.253               |
|               | LTE Band 12        | 0.740                  | 0.288                                    | 0.311                               | 1.339               |
|               | LTE Band 13        | 0.733                  | 0.288                                    | 0.311                               | 1.332               |
|               | LTE Band 14        | 0.856                  | 0.288                                    | 0.311                               | 1.455               |
|               | LTE Band 26 (Cell) | 0.739                  | 0.288                                    | 0.311                               | 1.338               |
|               | LTE Band 5 (Cell)  | 0.888                  | 0.288                                    | 0.311                               | 1.487               |
|               | LTE Band 66 (AWS)  | 1.161                  | 0.288                                    | 0.311                               | See Table Below     |
|               | LTE Band 25 (PCS)  | 1.161                  | 0.288                                    | 0.311                               | See Table Below     |
|               | LTE Band 30        | 0.964                  | 0.288                                    | 0.311                               | <b>1.563</b>        |
|               | LTE Band 7         | 1.111                  | 0.288                                    | 0.311                               | See Table Below     |
|               | LTE Band 48        | 0.496                  | 0.288                                    | 0.311                               | 1.095               |
|               | LTE Band 41        | 1.106                  | 0.288                                    | 0.311                               | See Table Below     |

|                                             |                                                                                     |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 308 of 337                 |



| Simult Tx   | Configuration | Cell. EVDO SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------|------------------------------------|-------------------------------|--------------|
|             |               | 1                     | 2                                  | 3                             | 1+2+3        |
| Hotspot SAR | Back          | 1.077                 | 0.068                              | 0.311*                        | 1.456        |
|             | Front         | 0.177                 | 0.288                              | 0.200                         | 0.665        |
|             | Bottom        | 0.254                 | 0.123                              | 0.157                         | 0.534        |
|             | Right         | 0.106                 | 0.077                              | -                             | 0.183        |
|             | Left          | 0.152                 | -                                  | 0.311                         | 0.463        |
| Simult Tx   | Configuration | PCS EVDO SAR (W/kg)   | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                             | 1+2+3        |
| Hotspot SAR | Back          | 0.554                 | 0.068                              | 0.311*                        | 0.933        |
|             | Front         | 0.158                 | 0.288                              | 0.200                         | 0.646        |
|             | Bottom        | 1.037                 | 0.123                              | 0.157                         | 1.317        |
|             | Right         | 0.034                 | 0.077                              | -                             | 0.111        |
|             | Left          | 0.094                 | -                                  | 0.311                         | 0.405        |
| Simult Tx   | Configuration | GPRS 1900 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                             | 1+2+3        |
| Hotspot SAR | Back          | 0.721                 | 0.068                              | 0.311*                        | 1.100        |
|             | Front         | 0.141                 | 0.288                              | 0.200                         | 0.629        |
|             | Bottom        | 1.132                 | 0.123                              | 0.157                         | 1.412        |
|             | Right         | 0.037                 | 0.077                              | -                             | 0.114        |
|             | Left          | 0.084                 | -                                  | 0.311                         | 0.395        |
| Simult Tx   | Configuration | UMTS 850 SAR (W/kg)   | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                             | 1+2+3        |
| Hotspot SAR | Back          | 1.025                 | 0.068                              | 0.311*                        | 1.404        |
|             | Front         | 0.251                 | 0.288                              | 0.200                         | 0.739        |
|             | Bottom        | 0.208                 | 0.123                              | 0.157                         | 0.488        |
|             | Right         | 0.128                 | 0.077                              | -                             | 0.205        |
|             | Left          | 0.170                 | -                                  | 0.311                         | 0.481        |
| Simult Tx   | Configuration | UMTS 1750 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                             | 1+2+3        |
| Hotspot SAR | Back          | 0.716                 | 0.068                              | 0.311*                        | 1.095        |
|             | Front         | 0.217                 | 0.288                              | 0.200                         | 0.705        |
|             | Bottom        | 1.159                 | 0.123                              | 0.157                         | 1.439        |
|             | Right         | 0.047                 | 0.077                              | -                             | 0.124        |
|             | Left          | 0.146                 | -                                  | 0.311                         | 0.457        |

| Configuration | Mode              | 5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 at 13 dBm SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|---------------|----------------------------------------------|-----------------------------------------|--------------|
|               |                   | 1             | 2                                            | 3                                       | 1+2+3        |
| Hotspot SAR   | NR Band n71       | 0.679         | 0.112                                        | 0.149                                   | 0.940        |
|               | NR Band n12       | 0.752         | 0.112                                        | 0.149                                   | 1.013        |
|               | NR Band n5 (Cell) | 0.994         | 0.112                                        | 0.149                                   | 1.255        |
|               | NR Band n66 (AWS) | 1.211         | 0.112                                        | 0.149                                   | 1.472        |
|               | NR Band n25 (PCS) | 0.840         | 0.112                                        | 0.149                                   | 1.101        |
|               | NR Band n30       | 1.201         | 0.112                                        | 0.149                                   | 1.462        |
|               | NR Band n41       | 1.192         | 0.112                                        | 0.149                                   | 1.453        |
|               | NR Band n77 DoD   | 0.600         | 0.112                                        | 0.149                                   | 0.861        |
|               | NR Band n77       | 0.885         | 0.112                                        | 0.149                                   | 1.146        |

|                                             |                                                                                                                                                                                                       |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  PCTEST<br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                    | DUT Type:<br>Portable Handset |                                                                                       | Page 309 of 337                 |

**Table 12-65**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN,**  
**and 5 GHz Antenna 1 WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/kg) | 5 GHz WLAN<br>Ant 1 at 14<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|------------------------|------------------------------------------|--------------------------------------------------|------------------------------------------------|-----------------|
|               |                    | 1                      | 2                                        | 3                                                | 4                                              | 1+2+3+4         |
| Hotspot SAR   | Cell. EVDO         | 1.077                  | 0.288                                    | 0.149                                            | 0.062                                          | <b>1.576</b>    |
|               | PCS EVDO           | 1.037                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.536           |
|               | GPRS 850           | 0.548                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.047           |
|               | GPRS 1900          | 1.132                  | 0.288                                    | 0.149                                            | 0.062                                          | See Table Below |
|               | UMTS 850           | 1.025                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.524           |
|               | UMTS 1750          | 1.159                  | 0.288                                    | 0.149                                            | 0.062                                          | See Table Below |
|               | UMTS 1900          | 1.005                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.504           |
|               | LTE Band 71        | 0.654                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.153           |
|               | LTE Band 12        | 0.740                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.239           |
|               | LTE Band 13        | 0.733                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.232           |
|               | LTE Band 14        | 0.856                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.355           |
|               | LTE Band 26 (Cell) | 0.739                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.238           |
|               | LTE Band 5 (Cell)  | 0.888                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.387           |
|               | LTE Band 66 (AWS)  | 1.161                  | 0.288                                    | 0.149                                            | 0.062                                          | See Table Below |
|               | LTE Band 25 (PCS)  | 1.161                  | 0.288                                    | 0.149                                            | 0.062                                          | See Table Below |
|               | LTE Band 30        | 0.964                  | 0.288                                    | 0.149                                            | 0.062                                          | 1.463           |
|               | LTE Band 7         | 1.111                  | 0.288                                    | 0.149                                            | 0.062                                          | See Table Below |
|               | LTE Band 48        | 0.496                  | 0.288                                    | 0.149                                            | 0.062                                          | 0.995           |
|               | LTE Band 41        | 1.106                  | 0.288                                    | 0.149                                            | 0.062                                          | See Table Below |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 310 of 337                 |

| Simult Tx   | Configuration | GPRS 1900 SAR (W/kg)         | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|------------------------------|------------------------------------|-----------------------------------------|---------------------------------------|--------------|-------------|---------------|------------------------------|------------------------------------|-----------------------------------------|---------------------------------------|--------------|
|             |               | 1                            | 2                                  | 3                                       | 4                                     | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                     | 1+2+3+4      |
| Hotspot SAR | Back          | 0.721                        | 0.068                              | 0.149*                                  | 0.062*                                | 1.000        | Hotspot SAR | Back          | 0.664                        | 0.068                              | 0.149*                                  | 0.062*                                | 0.943        |
|             | Front         | 0.141                        | 0.288                              | 0.087                                   | 0.054                                 | 0.570        |             | Front         | 0.218                        | 0.288                              | 0.087                                   | 0.054                                 | 0.647        |
|             | Bottom        | 1.132                        | 0.123                              | 0.149*                                  | 0.062                                 | <b>1.466</b> |             | Bottom        | 1.161                        | 0.123                              | 0.149*                                  | 0.062                                 | <b>1.495</b> |
|             | Right         | 0.037                        | 0.077                              | -                                       | 0.062*                                | 0.176        |             | Right         | 0.041                        | 0.077                              | -                                       | 0.062*                                | 0.180        |
|             | Left          | 0.084                        | -                                  | 0.149                                   | -                                     | 0.233        |             | Left          | 0.106                        | -                                  | 0.149                                   | -                                     | 0.255        |
| Simult Tx   | Configuration | UMTS 1750 SAR (W/kg)         | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 7 SAR (W/kg)        | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 3                                       | 4                                     | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                     | 1+2+3+4      |
| Hotspot SAR | Back          | 0.716                        | 0.068                              | 0.149*                                  | 0.062*                                | 0.995        | Hotspot SAR | Back          | 0.304                        | 0.068                              | 0.149*                                  | 0.062*                                | 0.583        |
|             | Front         | 0.217                        | 0.288                              | 0.087                                   | 0.054                                 | 0.646        |             | Front         | 0.081                        | 0.288                              | 0.087                                   | 0.054                                 | 0.510        |
|             | Bottom        | 1.159                        | 0.123                              | 0.149*                                  | 0.062                                 | <b>1.493</b> |             | Bottom        | 1.111                        | 0.123                              | 0.149*                                  | 0.062                                 | <b>1.445</b> |
|             | Right         | 0.047                        | 0.077                              | -                                       | 0.062*                                | 0.186        |             | Right         | -                            | 0.077                              | -                                       | 0.062*                                | 0.139        |
|             | Left          | 0.146                        | -                                  | 0.149                                   | -                                     | 0.295        |             | Left          | 0.162                        | -                                  | 0.149                                   | -                                     | 0.311        |
| Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 41 SAR (W/kg)       | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                            | 2                                  | 3                                       | 4                                     | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                     | 1+2+3+4      |
| Hotspot SAR | Back          | 0.728                        | 0.068                              | 0.149*                                  | 0.062*                                | 1.007        | Hotspot SAR | Back          | 0.488                        | 0.068                              | 0.149*                                  | 0.062*                                | 0.767        |
|             | Front         | 0.227                        | 0.288                              | 0.087                                   | 0.054                                 | 0.656        |             | Front         | 0.042                        | 0.288                              | 0.087                                   | 0.054                                 | 0.471        |
|             | Bottom        | 1.161                        | 0.123                              | 0.149*                                  | 0.062                                 | <b>1.495</b> |             | Bottom        | 1.106                        | 0.123                              | 0.149*                                  | 0.062                                 | <b>1.440</b> |
|             | Right         | 0.033                        | 0.077                              | -                                       | 0.062*                                | 0.172        |             | Right         | -                            | 0.077                              | -                                       | 0.062*                                | 0.139        |
|             | Left          | 0.193                        | -                                  | 0.149                                   | -                                     | 0.342        |             | Left          | 0.089                        | -                                  | 0.149                                   | -                                     | 0.238        |

| Configuration | Mode              | 5G SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 at 13 dBm SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN Ant 1 at 14 dBm SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|---------------|----------------------------------------------|-----------------------------------------|---------------------------------------|--------------|
|               |                   | 1             | 2                                            | 3                                       | 4                                     | 1+2+3+4      |
| Hotspot SAR   | NR Band n71       | 0.679         | 0.112                                        | 0.149                                   | 0.062                                 | 1.002        |
|               | NR Band n12       | 0.752         | 0.112                                        | 0.149                                   | 0.062                                 | 1.075        |
|               | NR Band n5 (Cell) | 0.994         | 0.112                                        | 0.149                                   | 0.062                                 | 1.317        |
|               | NR Band n66 (AWS) | 1.211         | 0.112                                        | 0.149                                   | 0.062                                 | <b>1.534</b> |
|               | NR Band n25 (PCS) | 0.840         | 0.112                                        | 0.149                                   | 0.062                                 | 1.163        |
|               | NR Band n30       | 1.201         | 0.112                                        | 0.149                                   | 0.062                                 | 1.524        |
|               | NR Band n41       | 1.192         | 0.112                                        | 0.149                                   | 0.062                                 | 1.515        |
|               | NR Band n77 DoD   | 0.600         | 0.112                                        | 0.149                                   | 0.062                                 | 0.923        |
|               | NR Band n77       | 0.885         | 0.112                                        | 0.149                                   | 0.062                                 | 1.208        |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 311 of 337                        |

**Table 12-66**  
**Simultaneous Transmission Scenario with Bluetooth Antenna 1, 2.4 GHz Antenna 2 WLAN, and 5 GHz**  
**MIMO WLAN (Hotspot at 1.0 cm)**

| Configuration | Mode               | 2G/3G/4G<br>SAR (W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|------------------------|------------------------------------------|--------------------------------------------------|-----------------------------------------------|-----------------|
|               |                    | 1                      | 2                                        | 3                                                | 4                                             | 1+2+3+4         |
| Hotspot SAR   | Cell. EVDO         | 1.077                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | PCS EVDO           | 1.037                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | GPRS 850           | 0.548                  | 0.288                                    | 0.149                                            | 0.273                                         | 1.258           |
|               | GPRS 1900          | 1.132                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | UMTS 850           | 1.025                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | UMTS 1750          | 1.159                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | UMTS 1900          | 1.005                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | LTE Band 71        | 0.654                  | 0.288                                    | 0.149                                            | 0.273                                         | 1.364           |
|               | LTE Band 12        | 0.740                  | 0.288                                    | 0.149                                            | 0.273                                         | 1.450           |
|               | LTE Band 13        | 0.733                  | 0.288                                    | 0.149                                            | 0.273                                         | 1.443           |
|               | LTE Band 14        | 0.856                  | 0.288                                    | 0.149                                            | 0.273                                         | <b>1.566</b>    |
|               | LTE Band 26 (Cell) | 0.739                  | 0.288                                    | 0.149                                            | 0.273                                         | 1.449           |
|               | LTE Band 5 (Cell)  | 0.888                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | LTE Band 66 (AWS)  | 1.161                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | LTE Band 25 (PCS)  | 1.161                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | LTE Band 30        | 0.964                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | LTE Band 7         | 1.111                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |
|               | LTE Band 48        | 0.496                  | 0.288                                    | 0.149                                            | 0.273                                         | 1.206           |
|               | LTE Band 41        | 1.106                  | 0.288                                    | 0.149                                            | 0.273                                         | See Table Below |

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 312 of 337                 |

| Simult Tx   | Configuration | Cell. EVDO SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 5 (Cell) SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|-----------------------|------------------------------------|-----------------------------------------|--------------------------------------|--------------|-------------|---------------|------------------------------|------------------------------------|-----------------------------------------|--------------------------------------|--------------|
|             |               | 1                     | 2                                  | 3                                       | 4                                    | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                    | 1+2+3+4      |
| Hotspot SAR | Back          | 1.077                 | 0.068                              | 0.149*                                  | 0.273*                               | 1.567        | Hotspot SAR | Back          | 0.888                        | 0.068                              | 0.149*                                  | 0.273*                               | 1.378        |
|             | Front         | 0.177                 | 0.288                              | 0.087                                   | 0.263                                | 0.815        |             | Front         | 0.150                        | 0.288                              | 0.087                                   | 0.263                                | 0.788        |
|             | Bottom        | 0.254                 | 0.123                              | 0.149*                                  | 0.140                                | 0.666        |             | Bottom        | 0.227                        | 0.123                              | 0.149*                                  | 0.140                                | 0.639        |
|             | Right         | 0.106                 | 0.077                              | -                                       | 0.019                                | 0.202        |             | Right         | 0.117                        | 0.077                              | -                                       | 0.019                                | 0.213        |
|             | Left          | 0.152                 | -                                  | 0.149                                   | 0.273                                | 0.574        |             | Left          | 0.119                        | -                                  | 0.149                                   | 0.273                                | 0.541        |
| Simult Tx   | Configuration | PCS EVDO SAR (W/kg)   | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                                       | 4                                    | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                    | 1+2+3+4      |
| Hotspot SAR | Back          | 0.554                 | 0.068                              | 0.149*                                  | 0.273*                               | 1.044        | Hotspot SAR | Back          | 0.728                        | 0.068                              | 0.149*                                  | 0.273*                               | 1.218        |
|             | Front         | 0.158                 | 0.288                              | 0.087                                   | 0.263                                | 0.796        |             | Front         | 0.227                        | 0.288                              | 0.087                                   | 0.263                                | 0.865        |
|             | Bottom        | 1.037                 | 0.123                              | 0.149*                                  | 0.140                                | 1.449        |             | Bottom        | 1.161                        | 0.123                              | 0.149*                                  | 0.140                                | 1.573        |
|             | Right         | 0.034                 | 0.077                              | -                                       | 0.019                                | 0.130        |             | Right         | 0.033                        | 0.077                              | -                                       | 0.019                                | 0.129        |
|             | Left          | 0.094                 | -                                  | 0.149                                   | 0.273                                | 0.516        |             | Left          | 0.193                        | -                                  | 0.149                                   | 0.273                                | 0.615        |
| Simult Tx   | Configuration | GPRS 1900 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg) | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                                       | 4                                    | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                    | 1+2+3+4      |
| Hotspot SAR | Back          | 0.721                 | 0.068                              | 0.149*                                  | 0.273*                               | 1.211        | Hotspot SAR | Back          | 0.664                        | 0.068                              | 0.149*                                  | 0.273*                               | 1.154        |
|             | Front         | 0.141                 | 0.288                              | 0.087                                   | 0.263                                | 0.779        |             | Front         | 0.218                        | 0.288                              | 0.087                                   | 0.263                                | 0.856        |
|             | Bottom        | 1.132                 | 0.123                              | 0.149*                                  | 0.140                                | 1.544        |             | Bottom        | 1.161                        | 0.123                              | 0.149*                                  | 0.140                                | 1.573        |
|             | Right         | 0.037                 | 0.077                              | -                                       | 0.019                                | 0.133        |             | Right         | 0.041                        | 0.077                              | -                                       | 0.019                                | 0.137        |
|             | Left          | 0.084                 | -                                  | 0.149                                   | 0.273                                | 0.506        |             | Left          | 0.106                        | -                                  | 0.149                                   | 0.273                                | 0.528        |
| Simult Tx   | Configuration | UMTS 850 SAR (W/kg)   | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 30 SAR (W/kg)       | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                                       | 4                                    | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                    | 1+2+3+4      |
| Hotspot SAR | Back          | 1.025                 | 0.068                              | 0.149*                                  | 0.273*                               | 1.515        | Hotspot SAR | Back          | 0.640                        | 0.068                              | 0.149*                                  | 0.273*                               | 1.130        |
|             | Front         | 0.251                 | 0.288                              | 0.087                                   | 0.263                                | 0.889        |             | Front         | 0.043                        | 0.288                              | 0.087                                   | 0.263                                | 0.681        |
|             | Bottom        | 0.208                 | 0.123                              | 0.149*                                  | 0.140                                | 0.620        |             | Bottom        | 0.964                        | 0.123                              | 0.149*                                  | 0.140                                | 1.376        |
|             | Right         | 0.128                 | 0.077                              | -                                       | 0.019                                | 0.224        |             | Right         | 0.030                        | 0.077                              | -                                       | 0.019                                | 0.126        |
|             | Left          | 0.170                 | -                                  | 0.149                                   | 0.273                                | 0.592        |             | Left          | 0.054                        | -                                  | 0.149                                   | 0.273                                | 0.476        |
| Simult Tx   | Configuration | UMTS 1750 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 7 SAR (W/kg)        | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                                       | 4                                    | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                    | 1+2+3+4      |
| Hotspot SAR | Back          | 0.716                 | 0.068                              | 0.149*                                  | 0.273*                               | 1.206        | Hotspot SAR | Back          | 0.304                        | 0.068                              | 0.149*                                  | 0.273*                               | 0.794        |
|             | Front         | 0.217                 | 0.288                              | 0.087                                   | 0.263                                | 0.855        |             | Front         | 0.081                        | 0.288                              | 0.087                                   | 0.263                                | 0.719        |
|             | Bottom        | 1.159                 | 0.123                              | 0.149*                                  | 0.140                                | 1.571        |             | Bottom        | 1.111                        | 0.123                              | 0.149*                                  | 0.140                                | 1.523        |
|             | Right         | 0.047                 | 0.077                              | -                                       | 0.019                                | 0.143        |             | Right         | -                            | 0.077                              | -                                       | 0.019                                | 0.096        |
|             | Left          | 0.146                 | -                                  | 0.149                                   | 0.273                                | 0.568        |             | Left          | 0.162                        | -                                  | 0.149                                   | 0.273                                | 0.584        |
| Simult Tx   | Configuration | UMTS 1900 SAR (W/kg)  | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) | Simult Tx   | Configuration | LTE Band 41 SAR (W/kg)       | 2.4 GHz Bluetooth Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 at 14 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                     | 2                                  | 3                                       | 4                                    | 1+2+3+4      |             |               | 1                            | 2                                  | 3                                       | 4                                    | 1+2+3+4      |
| Hotspot SAR | Back          | 0.654                 | 0.068                              | 0.149*                                  | 0.273*                               | 1.144        | Hotspot SAR | Back          | 0.488                        | 0.068                              | 0.149*                                  | 0.273*                               | 0.978        |
|             | Front         | 0.126                 | 0.288                              | 0.087                                   | 0.263                                | 0.764        |             | Front         | 0.042                        | 0.288                              | 0.087                                   | 0.263                                | 0.680        |
|             | Bottom        | 1.005                 | 0.123                              | 0.149*                                  | 0.140                                | 1.417        |             | Bottom        | 1.106                        | 0.123                              | 0.149*                                  | 0.140                                | 1.518        |
|             | Right         | 0.049                 | 0.077                              | -                                       | 0.019                                | 0.145        |             | Right         | -                            | 0.077                              | -                                       | 0.019                                | 0.096        |
|             | Left          | 0.097                 | -                                  | 0.149                                   | 0.273                                | 0.519        |             | Left          | 0.089                        | -                                  | 0.149                                   | 0.273                                | 0.511        |

|                                                    |                                                                                                                                  |                                      |                                                                                       |                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                        | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 313 of 337                        |

| Configuration | Mode              | 5G SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 at 13 dBm<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR (W/kg)    |
|---------------|-------------------|------------------|-------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|-----------------|
|               |                   | 1                | 2                                                     | 3                                                | 4                                             | 1+2+3+4         |
| Hotspot SAR   | NR Band n71       | 0.679            | 0.112                                                 | 0.149                                            | 0.273                                         | 1.213           |
|               | NR Band n12       | 0.752            | 0.112                                                 | 0.149                                            | 0.273                                         | 1.286           |
|               | NR Band n5 (Cell) | 0.994            | 0.112                                                 | 0.149                                            | 0.273                                         | <b>1.528</b>    |
|               | NR Band n66 (AWS) | 1.211            | 0.112                                                 | 0.149                                            | 0.273                                         | See Table Below |
|               | NR Band n25 (PCS) | 0.840            | 0.112                                                 | 0.149                                            | 0.273                                         | 1.374           |
|               | NR Band n30       | 1.201            | 0.112                                                 | 0.149                                            | 0.273                                         | See Table Below |
|               | NR Band n41       | 1.192            | 0.112                                                 | 0.149                                            | 0.273                                         | See Table Below |
|               | NR Band n77 DoD   | 0.600            | 0.112                                                 | 0.149                                            | 0.273                                         | 1.134           |
|               | NR Band n77       | 0.885            | 0.112                                                 | 0.149                                            | 0.273                                         | 1.419           |

| Simult Tx      | Configuration | NR Band<br>n66 (AWS)<br>Ant A SAR<br>(W/kg) | 2.4 GHz<br>Bluetooth Ant<br>1 at 13 dBm<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|----------------|---------------|---------------------------------------------|-------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|-----------------|
|                |               | 1                                           | 2                                                     | 2                                                | 4                                             | 1+2+3+4         |
| Hotspot<br>SAR | Back          | 0.733                                       | 0.029                                                 | 0.149*                                           | 0.273*                                        | 1.184           |
|                | Front         | 0.234                                       | 0.112                                                 | 0.087                                            | 0.263                                         | 0.696           |
|                | Bottom        | 1.198                                       | 0.056                                                 | 0.149*                                           | 0.140                                         | <b>1.543</b>    |
|                | Right         | 0.062                                       | 0.032                                                 | -                                                | 0.019                                         | 0.113           |
|                | Left          | 0.119                                       | -                                                     | 0.149                                            | 0.273                                         | 0.541           |
| Simult Tx      | Configuration | NR Band<br>n30 SAR<br>(W/kg)                | 2.4 GHz<br>Bluetooth Ant<br>1 at 13 dBm<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|                |               | 1                                           | 2                                                     | 2                                                | 4                                             | 1+2+3+4         |
| Hotspot<br>SAR | Back          | 0.633                                       | 0.029                                                 | 0.149*                                           | 0.273*                                        | 1.084           |
|                | Front         | 0.085                                       | 0.112                                                 | 0.087                                            | 0.263                                         | 0.547           |
|                | Bottom        | 1.201                                       | 0.056                                                 | 0.149*                                           | 0.140                                         | <b>1.546</b>    |
|                | Right         | 0.037                                       | 0.032                                                 | -                                                | 0.019                                         | 0.088           |
|                | Left          | 0.068                                       | -                                                     | 0.149                                            | 0.273                                         | 0.490           |
| Simult Tx      | Configuration | NR Band<br>n41 SAR<br>(W/kg)                | 2.4 GHz<br>Bluetooth Ant<br>1 at 13 dBm<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>at 14 dBm<br>SAR (W/kg) | 5 GHz WLAN<br>MIMO at 17<br>dBm SAR<br>(W/kg) | Σ SAR<br>(W/kg) |
|                |               | 1                                           | 2                                                     | 2                                                | 4                                             | 1+2+3+4         |
| Hotspot<br>SAR | Back          | 0.272                                       | 0.029                                                 | 0.149*                                           | 0.273*                                        | 0.723           |
|                | Front         | 0.733                                       | 0.112                                                 | 0.087                                            | 0.263                                         | 1.195           |
|                | Top           | 0.059                                       | -                                                     | -                                                | -                                             | 0.059           |
|                | Bottom        | 0.195                                       | 0.056                                                 | 0.149*                                           | 0.140                                         | 0.540           |
|                | Right         | 1.192                                       | 0.032                                                 | -                                                | 0.019                                         | <b>1.243</b>    |
|                | Left          | -                                           | -                                                     | 0.149                                            | 0.273                                         | 0.422           |

|                                             |                                                                                                                                                                                                        |                               |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
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**Table 12-67**  
**Simultaneous Transmission Scenario with 2.4 GHz MIMO WLAN and 5 GHz MIMO WLAN (Hotspot at 1.0cm)**

| Configuration | Mode               | 2G/3G/4G/5 G SAR (W/kg) | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg)    |
|---------------|--------------------|-------------------------|----------------------------------------|--------------------------------------|-----------------|
|               |                    | 1                       | 2                                      | 3                                    | 1+2+3           |
| Hotspot SAR   | Cell. EVDO         | 1.077                   | 0.182                                  | 0.273                                | 1.532           |
|               | PCS EVDO           | 1.037                   | 0.182                                  | 0.273                                | 1.492           |
|               | GPRS 850           | 0.548                   | 0.182                                  | 0.273                                | 1.003           |
|               | GPRS 1900          | 1.132                   | 0.182                                  | 0.273                                | <b>1.587</b>    |
|               | UMTS 850           | 1.025                   | 0.182                                  | 0.273                                | 1.480           |
|               | UMTS 1750          | 1.159                   | 0.182                                  | 0.273                                | See Table Below |
|               | UMTS 1900          | 1.005                   | 0.182                                  | 0.273                                | 1.460           |
|               | LTE Band 71        | 0.654                   | 0.182                                  | 0.273                                | 1.109           |
|               | LTE Band 12        | 0.740                   | 0.182                                  | 0.273                                | 1.195           |
|               | LTE Band 13        | 0.733                   | 0.182                                  | 0.273                                | 1.188           |
|               | LTE Band 14        | 0.856                   | 0.182                                  | 0.273                                | 1.311           |
|               | LTE Band 26 (Cell) | 0.739                   | 0.182                                  | 0.273                                | 1.194           |
|               | LTE Band 5 (Cell)  | 0.888                   | 0.182                                  | 0.273                                | 1.343           |
|               | LTE Band 66 (AWS)  | 1.161                   | 0.182                                  | 0.273                                | See Table Below |
|               | LTE Band 25 (PCS)  | 1.161                   | 0.182                                  | 0.273                                | See Table Below |
|               | LTE Band 30        | 0.964                   | 0.182                                  | 0.273                                | 1.419           |
|               | LTE Band 7         | 1.111                   | 0.182                                  | 0.273                                | 1.566           |
|               | LTE Band 48        | 0.496                   | 0.182                                  | 0.273                                | 0.951           |
|               | LTE Band 41        | 1.106                   | 0.182                                  | 0.273                                | 1.561           |
|               | NR Band n71        | 0.679                   | 0.182                                  | 0.273                                | 1.134           |
|               | NR Band n12        | 0.752                   | 0.182                                  | 0.273                                | 1.207           |
|               | NR Band n5 (Cell)  | 0.994                   | 0.182                                  | 0.273                                | 1.449           |
|               | NR Band n66 (AWS)  | 1.211                   | 0.182                                  | 0.273                                | See Table Below |
|               | NR Band n25 (PCS)  | 0.840                   | 0.182                                  | 0.273                                | 1.295           |
|               | NR Band n30        | 1.201                   | 0.182                                  | 0.273                                | See Table Below |
|               | NR Band n41        | 1.192                   | 0.182                                  | 0.273                                | See Table Below |
|               | NR Band n77 DoD    | 0.600                   | 0.182                                  | 0.273                                | 1.055           |
|               | NR Band n77        | 0.885                   | 0.182                                  | 0.273                                | 1.340           |

| Simult Tx   | Configuration | UMTS 1750 SAR (W/kg) | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|----------------------|----------------------------------------|--------------------------------------|--------------|
|             |               | 1                    | 2                                      | 3                                    | 1+2+3        |
| Hotspot SAR | Back          | 0.716                | 0.182*                                 | 0.273*                               | 1.171        |
|             | Front         | 0.217                | 0.132                                  | 0.263                                | 0.612        |
|             | Bottom        | 1.159                | 0.182*                                 | 0.140                                | <b>1.481</b> |
|             | Right         | 0.047                | 0.182*                                 | 0.019                                | 0.248        |
|             | Left          | 0.146                | 0.182                                  | 0.273                                | 0.601        |

|                                             |                                                                                                                                                                                                        |                                 |
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| Simult Tx   | Configuration | LTE Band 66 (AWS) SAR (W/kg)   | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|--------------------------------|----------------------------------------|--------------------------------------|--------------|
|             |               | 1                              | 2                                      | 3                                    | 1+2+3        |
| Hotspot SAR | Back          | 0.728                          | 0.182*                                 | 0.273*                               | 1.183        |
|             | Front         | 0.227                          | 0.132                                  | 0.263                                | 0.622        |
|             | Bottom        | 1.161                          | 0.182*                                 | 0.140                                | <b>1.483</b> |
|             | Right         | 0.033                          | 0.182*                                 | 0.019                                | 0.234        |
|             | Left          | 0.193                          | 0.182                                  | 0.273                                | 0.648        |
| Simult Tx   | Configuration | LTE Band 25 (PCS) SAR (W/kg)   | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                              | 2                                      | 3                                    | 1+2+3        |
| Hotspot SAR | Back          | 0.664                          | 0.182*                                 | 0.273*                               | 1.119        |
|             | Front         | 0.218                          | 0.132                                  | 0.263                                | 0.613        |
|             | Bottom        | 1.161                          | 0.182*                                 | 0.140                                | <b>1.483</b> |
|             | Right         | 0.041                          | 0.182*                                 | 0.019                                | 0.242        |
|             | Left          | 0.106                          | 0.182                                  | 0.273                                | 0.561        |
| Simult Tx   | Configuration | NR Band n66 (AWS) A SAR (W/kg) | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                              | 2                                      | 3                                    | 1+2+3        |
| Hotspot SAR | Back          | 0.733                          | 0.182*                                 | 0.273*                               | 1.188        |
|             | Front         | 0.234                          | 0.132                                  | 0.263                                | 0.629        |
|             | Bottom        | 1.198                          | 0.182*                                 | 0.140                                | <b>1.520</b> |
|             | Right         | 0.062                          | 0.182*                                 | 0.019                                | 0.263        |
|             | Left          | 0.119                          | 0.182                                  | 0.273                                | 0.574        |

| Simult Tx   | Configuration | NR Band n66 (AWS) I SAR (W/kg) | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|-------------|---------------|--------------------------------|----------------------------------------|--------------------------------------|--------------|
|             |               | 1                              | 2                                      | 2                                    | 1+2+3        |
| Hotspot SAR | Back          | 0.049                          | 0.182*                                 | 0.273*                               | 0.504        |
|             | Front         | 0.624                          | 0.132                                  | 0.263                                | 1.019        |
|             | Bottom        | 0.034                          | 0.182*                                 | 0.140                                | 0.356        |
|             | Right         | 1.211                          | 0.182*                                 | 0.019                                | <b>1.412</b> |
|             | Left          | -                              | 0.182                                  | 0.273                                | 0.455        |
| Simult Tx   | Configuration | NR Band n30 SAR (W/kg)         | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                              | 2                                      | 2                                    | 1+2+3        |
| Hotspot SAR | Back          | 0.633                          | 0.182*                                 | 0.273*                               | 1.088        |
|             | Front         | 0.085                          | 0.132                                  | 0.263                                | 0.480        |
|             | Bottom        | 1.201                          | 0.182*                                 | 0.140                                | <b>1.523</b> |
|             | Right         | 0.037                          | 0.182*                                 | 0.019                                | 0.238        |
|             | Left          | 0.068                          | 0.182                                  | 0.273                                | 0.523        |
| Simult Tx   | Configuration | NR Band n41 SAR (W/kg)         | 2.4 GHz WLAN MIMO at 17 dBm SAR (W/kg) | 5 GHz WLAN MIMO at 17 dBm SAR (W/kg) | Σ SAR (W/kg) |
|             |               | 1                              | 2                                      | 3                                    | 1+2+3        |
| Hotspot SAR | Back          | 0.272                          | 0.182*                                 | 0.273*                               | 0.727        |
|             | Front         | 0.733                          | 0.132                                  | 0.263                                | 1.128        |
|             | Top           | 0.059                          | -                                      | -                                    | 0.059        |
|             | Bottom        | 0.195                          | 0.182*                                 | 0.140                                | 0.517        |
|             | Right         | 1.192                          | 0.182*                                 | 0.019                                | <b>1.393</b> |
|             | Left          | -                              | 0.182                                  | 0.273                                | 0.455        |

## 12.9 SPLSR Evaluation and Analysis

Per FCC KDB Publication 447498 D01v06, when the sum of the standalone transmitters is more than 1.6 W/kg for 1g and 4 W/kg for 10g, the SAR sum to peak locations can be analyzed to determine SAR distribution overlaps. When the SAR peak to location ratio (shown below) for each pair of antennas is  $\leq 0.04$  for 1g and  $\leq 0.10$  for 10g, simultaneous SAR evaluation is not required. The distance between the transmitters was calculated using the following formula.

$$\text{Distance}_{\text{Tx1} - \text{Tx2}} = R_i = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2} \text{ (Phablet)}$$

$$\text{SPLS Ratio} = \frac{(SAR_1 + SAR_2)^{1.5}}{R_i}$$

### 12.9.1 Phablet Back Side SPLSR Evaluation and Analysis

**Table 12-68**  
**Peak SAR Locations for Phablet Back Side**

| Mode/Band         | x (mm) | y (mm) |
|-------------------|--------|--------|
| 5 GHz WLAN MIMO   | -52.31 | 75.79  |
| LTE Band 66 (AWS) | -32.50 | -81.00 |

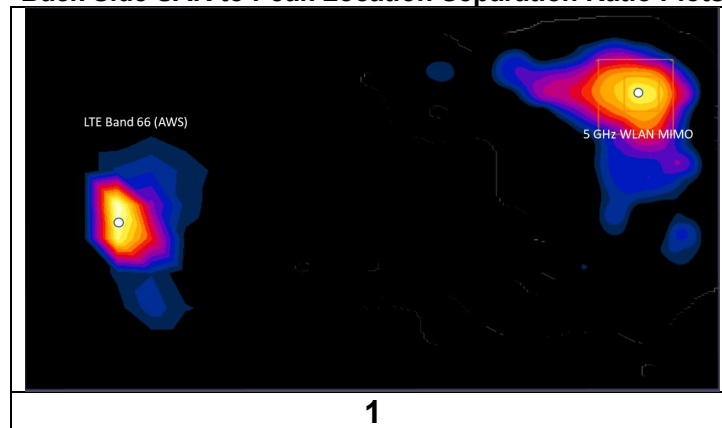
|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 316 of 337                        |



**Table 12-69**  
**Phablet Back Side SAR to Peak Location Separation Ratio Calculations**

| Antenna Pair    |                   | Standalone SAR (W/kg) |       | Standalone SAR Sum (W/kg) | Peak SAR Separation Distance (mm) | SPLS Ratio            | Plot Number |
|-----------------|-------------------|-----------------------|-------|---------------------------|-----------------------------------|-----------------------|-------------|
| Ant "a"         | Ant "b"           | a                     | b     | a+b                       | $D_{a-b}$                         | $(a+b)^{1.5}/D_{a-b}$ |             |
| 5 GHz WLAN MIMO | LTE Band 66 (AWS) | 0.989                 | 3.174 | 4.163                     | 158.04                            | 0.05                  | 1           |

**Table 12-70**  
**Back Side SAR to Peak Location Separation Ratio Plots**



## 12.10 Simultaneous Transmission Conclusion

The above numerical summed SAR results and SPLSR analysis are sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528- 2013 Section 6.3.4.1.

|                                             |                                                                                                                                                                                                                             |                               |                                                                                       |                                 |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                                          | DUT Type:<br>Portable Handset |                                                                                       | Page 317 of 337                 |

## 13 SAR MEASUREMENT VARIABILITY

### 13.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1) When the original highest measured SAR is  $\geq 0.80$  W/kg, the measurement was repeated once.
- 2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was  $> 1.20$  or when the original or repeated measurement was  $\geq 1.45$  W/kg (~ 10% from the 1g SAR limit).
- 3) A third repeated measurement was performed only if the original, first or second repeated measurement was  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .
- 4) Repeated measurements are not required when the original highest measured SAR is  $< 0.80$  W/kg
- 5) When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

**Table 13-1**  
**Body SAR Measurement Variability Results**

| BODY VARIABILITY RESULTS                 |           |        |                                     |                                       |              |        |                      |                   |                       |       |                       |       |                       |       |
|------------------------------------------|-----------|--------|-------------------------------------|---------------------------------------|--------------|--------|----------------------|-------------------|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| Band                                     | FREQUENCY |        | Mode                                | Service                               | Antenna Cong | Side   | Spacing              | Measured SAR (1g) | 1st Repeated SAR (1g) | Ratio | 2nd Repeated SAR (1g) | Ratio | 3rd Repeated SAR (1g) | Ratio |
|                                          | MHz       | Ch.    |                                     |                                       |              |        |                      | (W/kg)            | (W/kg)                |       | (W/kg)                |       | (W/kg)                |       |
| 835                                      | 836.52    | 384    | Cell. CDMA                          | EVDO Rev. 0                           | A            | back   | 5mm                  | 0.847             | 0.800                 | 1.06  | N/A                   | N/A   | N/A                   | N/A   |
| 1750                                     | 1745.00   | 349000 | NR Band n66 (AWS), 40 MHz Bandwidth | DFT-S-OFDM, QPSK, 1 RB, 1 RB Offset   | I            | right  | 5 mm                 | 1.110             | 1.100                 | 1.00  | N/A                   | N/A   | N/A                   | N/A   |
| 1900                                     | 1882.50   | 26365  | LTE Band 25 (PCS), 20 MHz Bandwidth | QPSK, 50 RB, 25 RB Offset             | A            | bottom | 5 mm                 | 1.030             | 0.988                 | 1.04  | N/A                   | N/A   | N/A                   | N/A   |
| 2300                                     | 2310.00   | 462000 | NR Band n30, 10 MHz Bandwidth       | DFT-S-OFDM, QPSK, 25 RB, 27 RB Offset | A            | bottom | 5 mm                 | 1.070             | 0.923                 | 1.16  | N/A                   | N/A   | N/A                   | N/A   |
| 2450                                     | 2510.00   | 20850  | LTE Band 7, 20 MHz Bandwidth        | QPSK, 50 RB, 25 RB Offset             | B            | bottom | 5 mm                 | 1.070             | 1.070                 | 1.00  | N/A                   | N/A   | N/A                   | N/A   |
| 2600                                     | 2592.99   | 518598 | NR Band n41, 100 MHz Bandwidth      | CP-OFDM, QPSK, 1 RB, 1 RB Offset      | I            | right  | 5 mm                 | 1.080             | 1.030                 | 1.05  | N/A                   | N/A   | N/A                   | N/A   |
| 3700                                     | 3750.00   | 650000 | NR Band n77, 100 MHz Bandwidth      | DFT-S-OFDM, QPSK, 1 RB, 137 RB Offset | F            | left   | 5 mm                 | 0.824             | 0.824                 | 1.00  | N/A                   | N/A   | N/A                   | N/A   |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |           |        |                                     |                                       |              |        | Body                 |                   |                       |       |                       |       |                       |       |
| Spatial Peak                             |           |        |                                     |                                       |              |        | 1.6 W/kg (mW/g)      |                   |                       |       |                       |       |                       |       |
| Uncontrolled Exposure/General Population |           |        |                                     |                                       |              |        | averaged over 1 gram |                   |                       |       |                       |       |                       |       |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 318 of 337                        |

**Table 13-2**  
**Phablet SAR Measurement Variability Results**

| PHABLET VARIABILITY RESULTS              |           |        |                                                 |                                       |              |      |                        |                    |                        |       |                        |       |                        |       |
|------------------------------------------|-----------|--------|-------------------------------------------------|---------------------------------------|--------------|------|------------------------|--------------------|------------------------|-------|------------------------|-------|------------------------|-------|
| Band                                     | FREQUENCY |        | Mode                                            | Service                               | Antenna Cong | Side | Spacing                | Measured SAR (10g) | 1st Repeated SAR (10g) | Ratio | 2nd Repeated SAR (10g) | Ratio | 3rd Repeated SAR (10g) | Ratio |
|                                          | MHz       | Ch.    |                                                 |                                       |              |      |                        | (W/kg)             | (W/kg)                 |       | (W/kg)                 |       | (W/kg)                 |       |
| 1750                                     | 1745.00   | 132322 | LTE Band 66 (AWS) ULCA CA_66B, 10 MHz Bandwidth | QPSK, 1 RB, 49 RB Offset              | A            | back | 0 mm                   | 2.920              | 2.870                  | 1.02  | N/A                    | N/A   | N/A                    | N/A   |
|                                          | 1754.90   | 132421 |                                                 | QPSK, 1 RB, 0 RB Offset               |              |      |                        |                    |                        |       |                        |       |                        |       |
| 1900                                     | 1882.50   | 26365  | LTE Band 25 (PCS), 20 MHz Bandwidth             | QPSK, 50 RB, 25 RB Offset             | A            | back | 0 mm                   | 2.650              | 2.460                  | 1.08  | N/A                    | N/A   | N/A                    | N/A   |
| 2600                                     | 2680.00   | 41490  | LTE Band 41 ULCA PC2, 20 MHz Bandwidth          | QPSK, 50 RB, 0 RB Offset              | B            | back | 0 mm                   | 2.250              | 2.230                  | 1.00  | N/A                    | N/A   | N/A                    | N/A   |
|                                          | 2660.20   | 41292  |                                                 | QPSK, 50 RB, 50 RB Offset             |              |      |                        |                    |                        |       |                        |       |                        |       |
| 3500                                     | 3500.01   | 633334 | NR Band n77 DoD, 100 MHz Bandwidth              | CP-OFDM, QPSK, 1 RB, 1 RB Offset      | F            | left | 0 mm                   | 2.270              | 2.220                  | 1.02  | N/A                    | N/A   | N/A                    | N/A   |
| 3700                                     | 3750.00   | 650000 | NR Band n77, 100 MHz Bandwidth                  | DFT-S-OFDM, QPSK, 1 RB, 137 RB Offset | F            | Left | 0 mm                   | 2.250              | 2.190                  | 1.03  | N/A                    | N/A   | N/A                    | N/A   |
| 3900                                     | 3930.00   | 662000 | NR Band n77, 100 MHz Bandwidth                  | CP-OFDM, QPSK, 1 RB, 1 RB Offset      | F            | left | 0 mm                   | 2.540              | 2.520                  | 1.01  | N/A                    | N/A   | N/A                    | N/A   |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |           |        |                                                 |                                       |              |      | Phablet                |                    |                        |       |                        |       |                        |       |
| Spatial Peak                             |           |        |                                                 |                                       |              |      | 4.0 W/kg (mW/g)        |                    |                        |       |                        |       |                        |       |
| Uncontrolled Exposure/General Population |           |        |                                                 |                                       |              |      | averaged over 10 grams |                    |                        |       |                        |       |                        |       |

## 13.2 Measurement Uncertainty

The measured SAR was <1.5 W/kg for 1g and <3.75 W/kg for 10g for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE 1528-2013 was not required.

|                                             |                                                                                                                                                 |                               |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>PCTEST</b><br><small>Proud to be part of Samsung</small> | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                              | DUT Type:<br>Portable Handset |                                                                                       | Page 319 of 337                 |

## 14 ADDITIONAL TESTING PER FCC GUIDANCE

### 14.1 Tuner Testing

Per April 2019 TCB Workshop Notes, the following test procedures were followed to demonstrate that the SAR results in Section 11 represented the appropriate SAR test conditions. Per FCC Guidance, during NR testing the device was configured with the tuner state selected by the device in LTE mode with auto-tune active at the same frequency.

For bands with dynamic tuning implemented, SAR was measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements were evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence on the antenna characteristics, other than impedance matching.

To evaluate all the tuner states, the 120 tuner states were divided among the aggregate band, mode and exposure combinations. Single point time-sweep measurements were performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state was able to be established remotely so that the device was not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe remained stationary at the same position throughout the entire series of single point measurements for each combination. When the single point SAR or 1g SAR was > 1.2 W/kg for a particular band/mode/exposure condition, point SAR measurements were made for all 120 states.

The operational description contains more information about the design and implementation of the dynamic antenna tuning.

**Table 14-1**  
**UMTS/CDMA Supplemental Head SAR Data**

| Supplemental Head SAR Data         |             |                                    |             |                                    |             |                                    |             |                                    |            |
|------------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|------------------------------------|------------|
| UMTS B5                            |             | UMTS B4                            |             | UMTS B2                            |             | CDMA BC0                           |             | CDMA BC1                           |            |
| RMC                                |             | RMC                                |             | RMC                                |             | EVDO Rev.A                         |             | EVDO                               |            |
| Test Position                      | Right Cheek | Test Position                      | Right Cheek | Test Position                      | Right Cheek | Test Position                      | Right Cheek | Test Position                      | Left Cheek |
| Frequency (MHz)                    | 836.60      | Frequency (MHz)                    | 1732.40     | Frequency (MHz)                    | 1880.00     | Frequency (MHz)                    | 848.31      | Frequency (MHz)                    | 1880.00    |
| Channel                            | 4183        | Channel                            | 1412        | Channel                            | 9400        | Channel                            | 777         | Channel                            | 600        |
| Measured 1g SAR (W/kg)             | 0.184       | Measured 1g SAR (W/kg)             | 0.087       | Measured 1g SAR (W/kg)             | 0.090       | Measured 1g SAR (W/kg)             | 0.170       | Measured 1g SAR (W/kg)             | 0.083      |
| Average Value of Time Sweep (W/kg) |             | Average Value of Time Sweep (W/kg) |             | Average Value of Time Sweep (W/kg) |             | Average Value of Time Sweep (W/kg) |             | Average Value of Time Sweep (W/kg) |            |
| Auto-tune (State 0)                | 0.265       | Auto-tune (State 0)                | 0.156       | Auto-tune (State 15)               | 0.097       | Auto-tune (State 0)                | 0.226       | Auto-tune (State 15)               | 0.120      |
| Default (State 0)                  | 0.264       | Default (State 0)                  | 0.159       | Default (State 13)                 | 0.101       | Default (State 0)                  | 0.226       | Default (State 13)                 | 0.109      |
| State 0                            | 0.264       | State 0                            | 0.159       | State 15                           | 0.100       | State 0                            | 0.226       | State 14                           | 0.107      |
| State 43                           | 0.210       | State 42                           | 0.058       | State 41                           | 0.020       | State 39                           | 0.178       | State 15                           | 0.120      |
| State 81                           | 0.138       | State 60                           | 0.112       | State 79                           | 0.012       | State 77                           | 0.004       | State 38                           | 0.000      |
| State 100                          | 0.047       | State 80                           | 0.047       | State 106                          | 0.096       | State 92                           | 0.117       | State 76                           | 0.075      |
| State 119                          | 0.072       | State 118                          | 0.088       | State 117                          | 0.020       | State 115                          | 0.073       | State 114                          | 0.096      |

**Table 14-2**  
**LTE Supplemental Head SAR Data**

| Supplemental Head SAR Data                 |            |                                            |            |                                            |             |                                           |             |                                            |             |                                            |             |
|--------------------------------------------|------------|--------------------------------------------|------------|--------------------------------------------|-------------|-------------------------------------------|-------------|--------------------------------------------|-------------|--------------------------------------------|-------------|
| LTE B71                                    |            | LTE B12                                    |            | LTE B13                                    |             | LTE B14                                   |             | LTE B5                                     |             | LTE B20                                    |             |
| GPSK, 20 MHz Bandwidth, 1 RB, 50 RB Offset |            | GPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset |            | GPSK, 10 MHz Bandwidth, 1 RB, 49 RB Offset |             | GPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset |             | GPSK, 10 MHz Bandwidth, 1 RB, 49 RB Offset |             | GPSK, 15 MHz Bandwidth, 1 RB, 74 RB Offset |             |
| Test Position                              | Left Cheek | Test Position                              | Left Cheek | Test Position                              | Right Cheek | Test Position                             | Right Cheek | Test Position                              | Right Cheek | Test Position                              | Right Cheek |
| Frequency (MHz)                            | 880.50     | Frequency (MHz)                            | 707.50     | Frequency (MHz)                            | 782.00      | Frequency (MHz)                           | 793.00      | Frequency (MHz)                            | 836.50      | Frequency (MHz)                            | 831.50      |
| Channel                                    | 133297     | Channel                                    | 23095      | Channel                                    | 23230       | Channel                                   | 23330       | Channel                                    | 20525       | Channel                                    | 26865       |
| Measured 1g SAR (W/kg)                     | 0.163      | Measured 1g SAR (W/kg)                     | 0.195      | Measured 1g SAR (W/kg)                     | 0.216       | Measured 1g SAR (W/kg)                    | 0.207       | Measured 1g SAR (W/kg)                     | 0.187       | Measured 1g SAR (W/kg)                     | 0.229       |
| Average Value of Time Sweep (W/kg)         |            | Average Value of Time Sweep (W/kg)         |            | Average Value of Time Sweep (W/kg)         |             | Average Value of Time Sweep (W/kg)        |             | Average Value of Time Sweep (W/kg)         |             | Average Value of Time Sweep (W/kg)         |             |
| Auto-tune (State 0)                        | 0.191      | Auto-tune (State 0)                        | 0.252      | Auto-tune (State 0)                        | 0.304       | Auto-tune (State 0)                       | 0.264       | Auto-tune (State 0)                        | 0.245       | Auto-tune (State 0)                        | 0.301       |
| Default (State 0)                          | 0.197      | Default (State 0)                          | 0.257      | Default (State 0)                          | 0.305       | Default (State 0)                         | 0.288       | Default (State 0)                          | 0.233       | Default (State 0)                          | 0.251       |
| State 0                                    | 0.197      | State 0                                    | 0.257      | State 0                                    | 0.305       | State 0                                   | 0.288       | State 0                                    | 0.233       | State 3                                    | 0.266       |
| State 22                                   | 0.023      | State 6                                    | 0.253      | State 25                                   | 0.015       | State 34                                  | 0.058       | State 33                                   | 0.111       | State 32                                   | 0.139       |
| State 37                                   | 0.026      | State 36                                   | 0.062      | State 35                                   | 0.043       | State 72                                  | 0.132       | State 36                                   | 0.015       | State 70                                   | 0.198       |
| State 75                                   | 0.000      | State 74                                   | 0.004      | State 73                                   | 0.061       | State 78                                  | 0.205       | State 71                                   | 0.163       | State 108                                  | 0.255       |
| State 113                                  | 0.002      | State 112                                  | 0.006      | State 111                                  | 0.162       | State 110                                 | 0.157       | State 109                                  | 0.220       | State 118                                  | 0.048       |

|                                             |                                                                                     |                               |  |                                                                                       |                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  | SAR EVALUATION REPORT         |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                  | DUT Type:<br>Portable Handset |  | Page 320 of 337                                                                       |                                 |

**Table 14-3**  
**NR Supplemental Head SAR Data**

| NR Band n71                                            |            | NR Band n12                                            |            | NR Band n5                                            |             | NR Band n66                                             |             | NR Band n25                                             |            |
|--------------------------------------------------------|------------|--------------------------------------------------------|------------|-------------------------------------------------------|-------------|---------------------------------------------------------|-------------|---------------------------------------------------------|------------|
| DFT-s-OFDM QPSK, 20 MHz Bandwidth, 50 RB, 28 RB Offset |            | DFT-s-OFDM QPSK, 15 MHz Bandwidth, 36 RB, 22 RB Offset |            | DFT-s-OFDM QPSK, 20 MHz Bandwidth, 1 RB, 53 RB Offset |             | DFT-s-OFDM QPSK, 40 MHz Bandwidth, 108 RB, 54 RB Offset |             | DFT-s-OFDM QPSK, 40 MHz Bandwidth, 108 RB, 54 RB Offset |            |
| Test Position                                          | Left Cheek | Test Position                                          | Left Cheek | Test Position                                         | Right Cheek | Test Position                                           | Right Cheek | Test Position                                           | Left Cheek |
| Frequency (MHz)                                        | 680.50     | Frequency (MHz)                                        | 707.50     | Frequency (MHz)                                       | 836.50      | Frequency (MHz)                                         | 1745.00     | Frequency (MHz)                                         | 1882.50    |
| Channel                                                | 136100     | Channel                                                | 141500     | Channel                                               | 167300      | Channel                                                 | 349000      | Channel                                                 | 376500     |
| Measured 1g SAR (W/kg)                                 | 0.208      | Measured 1g SAR (W/kg)                                 | 0.242      | Measured 1g SAR (W/kg)                                | 0.228       | Measured 1g SAR (W/kg)                                  | 0.121       | Measured 1g SAR (W/kg)                                  | 0.079      |
| Average Value of Time Sweep (W/kg)                     |            | Average Value of Time Sweep (W/kg)                     |            | Average Value of Time Sweep (W/kg)                    |             | Average Value of Time Sweep (W/kg)                      |             | Average Value of Time Sweep (W/kg)                      |            |
| Auto-tune (State 0)                                    | 0.268      | Auto-tune (State 0)                                    | 0.302      | Auto-tune (State 0)                                   | 0.299       | Auto-tune (State 13)                                    | 0.175       | Auto-tune (State 2)                                     | 0.108      |
| Default (State 0)                                      | 0.268      | Default (State 0)                                      | 0.302      | Default (State 0)                                     | 0.299       | Default (State 0)                                       | 0.178       | Default (State 13)                                      | 0.124      |
| State 0                                                | 0.268      | State 0                                                | 0.302      | State 0                                               | 0.299       | State 1                                                 | 0.186       | State 2                                                 | 0.108      |
| State 29                                               | 0.203      | State 28                                               | 0.228      | State 27                                              | 0.255       | State 13                                                | 0.175       | State 13                                                | 0.124      |
| State 67                                               | 0.107      | State 66                                               | 0.116      | State 65                                              | 0.054       | State 26                                                | 0.028       | State 21                                                | 0.088      |
| State 86                                               | 0.028      | State 76                                               | 0.035      | State 84                                              | 0.091       | State 64                                                | 0.062       | State 25                                                | 0.037      |
| State 105                                              | 0.259      | State 104                                              | 0.278      | State 103                                             | 0.001       | State 102                                               | 0.026       | State 101                                               | 0.032      |

**Table 14-4**  
**UMTS/CDMA Supplemental Body SAR Data**

| Supplemental Body SAR Data         |        |                                    |        |                                    |        |                                    |        |                                    |        |
|------------------------------------|--------|------------------------------------|--------|------------------------------------|--------|------------------------------------|--------|------------------------------------|--------|
| UMTS B5                            |        | UMTS B4                            |        | UMTS B2                            |        | CDMA B20                           |        | CDMA B21                           |        |
| Test Position                      | Back   | Test Position                      | Back   | Test Position                      | Back   | Test Position                      | Back   | Test Position                      | Back   |
| Frequency (MHz)                    | 850.00 | Frequency (MHz)                    | 850.00 | Frequency (MHz)                    | 850.00 | Frequency (MHz)                    | 850.00 | Frequency (MHz)                    | 850.00 |
| Channel                            | 4183   | Channel                            | 1512   | Channel                            | 9538   | Channel                            | 354    | Channel                            | 850    |
| Measured 1g SAR (W/kg)             | 0.812  | Measured 1g SAR (W/kg)             | 1.010  | Measured 1g SAR (W/kg)             | 0.798  | Measured 1g SAR (W/kg)             | 0.847  | Measured 1g SAR (W/kg)             | 0.880  |
| Average Value of Time Sweep (W/kg) |        | Average Value of Time Sweep (W/kg) |        | Average Value of Time Sweep (W/kg) |        | Average Value of Time Sweep (W/kg) |        | Average Value of Time Sweep (W/kg) |        |
| Auto-tune (State 13)               | 1.241  | Auto-tune (State 13)               | 1.771  | Auto-tune (State 13)               | 1.311  | Auto-tune (State 13)               | 1.302  | Auto-tune (State 13)               | 1.031  |
| Default (State 0)                  | 1.241  | Default (State 0)                  | 1.678  | Default (State 0)                  | 1.311  | Default (State 0)                  | 1.302  | Default (State 0)                  | 1.031  |
| State 1                            | 1.150  | State 1                            | 1.486  | State 1                            | 1.441  | State 1                            | 1.354  | State 1                            | 1.439  |
| State 2                            | 1.126  | State 2                            | 1.433  | State 2                            | 1.471  | State 2                            | 1.272  | State 2                            | 1.412  |
| State 3                            | 1.097  | State 3                            | 1.050  | State 3                            | 1.448  | State 3                            | 1.204  | State 3                            | 1.043  |
| State 4                            | 1.039  | State 4                            | 1.431  | State 4                            | 1.433  | State 4                            | 1.106  | State 4                            | 1.078  |
| State 5                            | 0.984  | State 5                            | 1.071  | State 5                            | 1.454  | State 5                            | 1.059  | State 5                            | 1.077  |
| State 6                            | 0.934  | State 6                            | 0.952  | State 6                            | 1.352  | State 6                            | 0.932  | State 6                            | 0.929  |
| State 7                            | 0.835  | State 7                            | 1.030  | State 7                            | 1.385  | State 7                            | 0.711  | State 7                            | 1.422  |
| State 8                            | 0.756  | State 8                            | 1.000  | State 8                            | 1.376  | State 8                            | 0.692  | State 8                            | 1.449  |
| State 9                            | 0.690  | State 9                            | 1.458  | State 9                            | 1.213  | State 9                            | 0.688  | State 9                            | 1.468  |
| State 10                           | 0.653  | State 10                           | 1.190  | State 10                           | 1.081  | State 10                           | 0.295  | State 10                           | 1.250  |
| State 11                           | 0.633  | State 11                           | 0.915  | State 11                           | 0.955  | State 11                           | 0.293  | State 11                           | 1.058  |
| State 12                           | 0.612  | State 12                           | 0.915  | State 12                           | 0.655  | State 12                           | 0.135  | State 12                           | 0.788  |
| State 13                           | 0.582  | State 13                           | 1.301  | State 13                           | 1.311  | State 13                           | 0.388  | State 13                           | 1.285  |
| State 14                           | 1.008  | State 14                           | 1.350  | State 14                           | 1.357  | State 14                           | 1.044  | State 14                           | 1.282  |
| State 15                           | 0.984  | State 15                           | 1.410  | State 15                           | 1.375  | State 15                           | 1.055  | State 15                           | 1.295  |
| State 16                           | 0.969  | State 16                           | 1.458  | State 16                           | 1.385  | State 16                           | 1.019  | State 16                           | 1.303  |
| State 17                           | 0.933  | State 17                           | 1.483  | State 17                           | 1.297  | State 17                           | 0.973  | State 17                           | 1.328  |
| State 18                           | 0.873  | State 18                           | 1.487  | State 18                           | 1.400  | State 18                           | 0.955  | State 18                           | 1.315  |
| State 19                           | 0.804  | State 19                           | 1.444  | State 19                           | 1.423  | State 19                           | 0.913  | State 19                           | 1.329  |
| State 20                           | 0.692  | State 20                           | 1.093  | State 20                           | 1.432  | State 20                           | 0.739  | State 20                           | 1.338  |
| State 21                           | 0.627  | State 21                           | 1.011  | State 21                           | 1.335  | State 21                           | 0.620  | State 21                           | 1.326  |
| State 22                           | 0.592  | State 22                           | 1.012  | State 22                           | 1.305  | State 22                           | 0.501  | State 22                           | 1.279  |
| State 23                           | 0.611  | State 23                           | 1.435  | State 23                           | 1.143  | State 23                           | 0.725  | State 23                           | 1.187  |
| State 24                           | 0.548  | State 24                           | 1.134  | State 24                           | 0.935  | State 24                           | 0.539  | State 24                           | 1.097  |
| State 25                           | 0.590  | State 25                           | 0.937  | State 25                           | 0.650  | State 25                           | 0.259  | State 25                           | 0.719  |
| State 26                           | 0.722  | State 26                           | 2.017  | State 26                           | 1.171  | State 26                           | 0.711  | State 26                           | 1.324  |
| State 27                           | 0.559  | State 27                           | 0.994  | State 27                           | 0.185  | State 27                           | 0.685  | State 27                           | 0.138  |
| State 28                           | 0.500  | State 28                           | 0.971  | State 28                           | 0.175  | State 28                           | 0.648  | State 28                           | 0.132  |
| State 29                           | 0.884  | State 29                           | 0.981  | State 29                           | 0.197  | State 29                           | 0.736  | State 29                           | 0.129  |
| State 30                           | 0.811  | State 30                           | 0.944  | State 30                           | 0.154  | State 30                           | 0.650  | State 30                           | 0.121  |
| State 31                           | 0.750  | State 31                           | 0.949  | State 31                           | 0.164  | State 31                           | 0.659  | State 31                           | 0.129  |
| State 32                           | 0.684  | State 32                           | 0.944  | State 32                           | 0.154  | State 32                           | 0.650  | State 32                           | 0.121  |
| State 33                           | 0.565  | State 33                           | 0.180  | State 33                           | 0.113  | State 33                           | 0.534  | State 33                           | 0.101  |
| State 34                           | 0.559  | State 34                           | 0.153  | State 34                           | 0.099  | State 34                           | 0.458  | State 34                           | 0.095  |
| State 35                           | 0.542  | State 35                           | 0.151  | State 35                           | 0.057  | State 35                           | 0.378  | State 35                           | 0.090  |
| State 36                           | 0.183  | State 36                           | 0.070  | State 36                           | 0.008  | State 36                           | 0.093  | State 36                           | 0.015  |
| State 37                           | 0.126  | State 37                           | 0.062  | State 37                           | 0.002  | State 37                           | 0.100  | State 37                           | 0.005  |
| State 38                           | 0.078  | State 38                           | 0.025  | State 38                           | 0.000  | State 38                           | 0.004  | State 38                           | 0.000  |
| State 39                           | 1.041  | State 39                           | 0.140  | State 39                           | 0.002  | State 39                           | 1.002  | State 39                           | 0.139  |
| State 40                           | 1.092  | State 40                           | 0.730  | State 40                           | 0.478  | State 40                           | 0.620  | State 40                           | 0.382  |
| State 41                           | 1.070  | State 41                           | 0.682  | State 41                           | 0.461  | State 41                           | 0.675  | State 41                           | 0.372  |
| State 42                           | 1.051  | State 42                           | 0.676  | State 42                           | 0.444  | State 42                           | 0.674  | State 42                           | 0.353  |
| State 43                           | 0.996  | State 43                           | 0.627  | State 43                           | 0.411  | State 43                           | 0.608  | State 43                           | 0.338  |
| State 44                           | 0.844  | State 44                           | 0.641  | State 44                           | 0.423  | State 44                           | 0.606  | State 44                           | 0.318  |
| State 45                           | 0.777  | State 45                           | 0.564  | State 45                           | 0.400  | State 45                           | 0.583  | State 45                           | 0.301  |
| State 46                           | 0.628  | State 46                           | 0.511  | State 46                           | 0.319  | State 46                           | 0.493  | State 46                           | 0.203  |
| State 47                           | 0.486  | State 47                           | 0.432  | State 47                           | 0.363  | State 47                           | 0.341  | State 47                           | 0.265  |
| State 48                           | 0.328  | State 48                           | 0.344  | State 48                           | 0.359  | State 48                           | 0.357  | State 48                           | 0.300  |
| State 49                           | 0.448  | State 49                           | 0.281  | State 49                           | 0.154  | State 49                           | 0.275  | State 49                           | 0.150  |
| State 50                           | 0.123  | State 50                           | 0.010  | State 50                           | 0.005  | State 50                           | 0.182  | State 50                           | 0.118  |
| State 51                           | 0.107  | State 51                           | 0.135  | State 51                           | 0.082  | State 51                           | 0.118  | State 51                           | 0.073  |
| State 52                           | 0.747  | State 52                           | 1.483  | State 52                           | 1.072  | State 52                           | 0.725  | State 52                           | 1.108  |
| State 53                           | 0.683  | State 53                           | 1.299  | State 53                           | 1.411  | State 53                           | 0.683  | State 53                           | 1.177  |
| State 54                           | 0.584  | State 54                           | 1.112  | State 54                           | 1.427  | State 54                           | 0.584  | State 54                           | 1.094  |
| State 55                           | 0.980  | State 55                           | 1.118  | State 55                           | 1.441  | State 55                           | 0.788  | State 55                           | 1.401  |
| State 56                           | 0.917  | State 56                           | 1.030  | State 56                           | 1.407  | State 56                           | 0.844  | State 56                           | 1.293  |
| State 57                           | 0.862  | State 57                           | 1.035  | State 57                           | 1.483  | State 57                           | 0.890  | State 57                           | 1.213  |
| State 58                           | 0.805  | State 58                           | 1.054  | State 58                           | 1.415  | State 58                           | 0.805  | State 58                           | 1.201  |
| State 59                           | 0.744  | State 59                           | 1.039  | State 59                           | 1.339  | State 59                           | 0.744  | State 59                           | 1.185  |
| State 60                           | 0.695  | State 60                           | 1.417  | State 60                           | 1.425  | State 60                           | 0.695  | State 60                           | 1.395  |
| State 61                           | 0.692  | State 61                           | 1.447  | State 61                           | 1.383  | State 61                           | 0.692  | State 61                           | 1.382  |
| State 62                           | 0.564  | State 62                           | 1.423  | State 62                           | 1.425  | State 62                           | 0.564  | State 62                           | 1.344  |
| State 63                           | 0.114  | State 63                           | 1.348  | State 63                           | 1.438  | State 63                           | 0.132  | State 63                           | 1.268  |
| State 64                           | 0.072  | State 64                           | 1.192  | State 64                           | 1.409  | State 64                           | 0.087  | State 64                           | 1.074  |
| State 65                           | 0.060  | State 65                           | 0.792  | State 65                           | 1.022  | State 65                           | 0.464  | State 65                           | 0.761  |
| State 66                           | 0.031  | State 66                           | 0.673  | State 66                           | 1.099  | State 66                           | 0.039  | State 66                           | 0.619  |
| State 67                           | 0.089  | State 67                           | 0.584  | State 67                           | 1.111  | State 67                           | 0.037  | State 67                           | 0.538  |
| State 68                           | 0.077  | State 68                           | 0.178  | State 68                           | 1.132  | State 68                           | 0.037  | State 68                           | 0.034  |
| State 69                           | 0.060  | State 69                           | 0.050  | State 69                           | 1.175  | State 69                           | 0.071  | State 69                           | 0.030  |
| State 70                           | 0.065  | State 70                           | 0.069  | State 70                           | 1.189  | State 70                           | 0.762  | State 70                           | 0.038  |
| State 71                           | 0.159  | State 71                           | 1.167  | State 71                           | 1.253  | State 71                           | 0.155  | State 71                           | 0.045  |
| State 72                           | 0.102  | State 72                           | 1.032  | State 72                           | 1.257  | State 72                           | 0.102  | State 72                           | 1.015  |
| State 73                           | 0.326  | State 73                           | 1.382  | State 73                           | 1.284  | State 73                           | 0.327  | State 73                           | 1.142  |
| State 74                           | 0.127  | State 74                           | 1.371  | State 74                           | 1.006  | State 74                           | 0.125  | State 74                           | 1.275  |
| State 75                           | 0.103  | State 75                           | 1.465  | State 75                           | 1.418  | State 75                           | 0.142  | State 75                           | 1.345  |
| State 76                           | 0.103  | State 76                           | 1.579  | State 76                           | 1.439  | State 76                           | 1.068  | State 76                           | 1.349  |
| State 77                           | 0.031  | State 77                           | 1.172  | State 77                           | 1.147  | State 77                           | 0.028  | State 77                           | 1.101  |
| State 78                           | 0.016  | State 78                           | 0.041  | State 78                           | 0.013  | State 78                           | 0.005  | State 78                           | 0.001  |
| State 79                           | 0.053  | State 79                           | 0.056  | State 79                           | 0.300  | State 79                           | 0.009  | State 79                           | 0.224  |
| State 80                           | 0.039  | State 80                           | 0.039  | State 80                           | 0.301  | State 80                           | 0.027  | State 80                           | 0.208  |
| State 81                           | 0.080  | State 81                           | 0.108  | State 81                           | 0.259  | State 81                           | 0.058  | State 81                           | 0.210  |
| State 82                           | 0.054  | State 82                           | 0.096  | State 82                           | 0.260  | State 82                           | 0.054  | State 82                           | 0.211  |
| State 83                           | 0.115  | State 83                           | 0.011  | State 83                           | 0.103  | State 83                           | 0.203  | State 83                           | 0.071  |
| State 84                           | 0.113  | State 84                           | 0.010  | State 84                           | 0.100  | State 84                           | 0.118  | State 84                           | 0.200  |
| State 85                           | 0.174  | State 85                           | 0.111  | State 85                           | 0.100  | State 85                           | 0.101  | State 85                           | 0.107  |
| State 86                           | 0.471  | State 86                           | 0.425  | State 86                           | 0.380  | State 86                           | 0.478  | State 86                           | 0.295  |
| State 87                           | 0.716  | State 87                           | 0.714  | State 87                           | 0.717  | State 87                           | 0.717  | State 87                           | 0.697  |
| State 88                           | 0.134  | State 88                           | 0.146  | State 88                           | 0.175  | State 88                           | 0.143  | State 88                           | 0.209  |
| State 89                           | 0.068  | State 89                           | 0.179  | State 89                           | 0.106  | State 89                           | 0.106  | State 89                           | 0.106  |
| State 90                           | 0.005  | State 90                           | 0.178  | State 90                           | 0.115  | State 90                           | 0.073  | State 90                           | 0.004  |
| State 91                           | 0.544  | State 91                           | 1.180  | State 91                           | 0.681  | State 91                           | 0.514  | State 91                           | 0.511  |
| State 92                           | 0.887  | State 92                           | 1.113  | State 92                           | 0.190  | State 92                           | 0.785  | State 92                           | 0.838  |
| State 93                           | 0.955  | State 93                           | 1.080  | State 93                           | 0.142  | State 93                           | 0.885  | State 93                           | 0.928  |
| State 94                           | 0.863  | State 94                           | 1.087  | State 94                           | 0.116  | State 94                           | 0.872  | State 94                           | 0.868  |
| State 95                           | 0.758  | State 95                           | 1.071  | State 95                           | 0.105  | State 95                           | 0.800  | State 95                           | 0.805  |
| State 96                           | 0.644  | State 96                           | 1.050  | State 96                           | 0.719  | State 96                           | 0.678  | State 96                           | 0.696  |
| State 97                           | 0.521  | State 97                           | 0.987  | State 97                           | 0.646  | State 97                           | 0.544  | State 97                           | 0.565  |
| State 98                           | 0.307  | State 98                           | 0.791  | State 98                           | 0.654  | State 98                           | 0.349  | State 98                           | 0.614  |
| State 99                           | 0.260  | State 99                           | 0.509  | State 99                           | 0.451  | State 99                           | 0.241  | State 99                           | 0.503  |
| State 100                          | 0.131  | State 100                          | 0.259  | State 100                          | 0.317  | State 100                          | 0.147  | State 100                          | 0.437  |
| State 101                          | 0.099  | State 101                          | 0.192  | State 101                          | 0.262  | State 101                          | 0.099  | State 101                          | 0.367  |
| State 102                          | 0.250  | State 102                          | 0.444  | State 102                          | 0.443  | State 102                          | 0.254  | State 102                          | 0.444  |
| State 103                          | 0.584  | State 103                          | 0.828  | State 103                          | 0.288  | State 103                          | 0.589  | State 103                          | 0.629  |
| State 104                          | 0.584  | State 104                          | 0.828  | State 104                          | 0.288  | State 104                          | 0.589  | State 104                          | 0.629  |
| State 105                          | 0.584  | State 105                          | 0.828  | State 105                          | 0.288  | State 105                          | 0.589  | State 105                          | 0.629  |
| State 106                          | 0.584  | State 106                          | 0.828  | State 106                          | 0.288  | State 106                          | 0.589  | State 106                          | 0.629  |
| State 107                          | 0.584  | State 107                          | 0.828  | State 107                          | 0.288  | State 107                          | 0.589  | State 107                          | 0.629  |
| State 108                          | 0.584  | State 108                          | 0.828  | State 108                          | 0.288  | State 108                          | 0.589  | State 108                          | 0.629  |
| State 109                          | 0.584  | State 109                          | 0.828  | State 109                          | 0.288  | State 109                          | 0.589  | State 109                          | 0.629  |
| State 110                          | 0.584  | State 110                          | 0.828  | State 110                          | 0.288  | State 110                          | 0.589  | State 110                          | 0.629  |
| State 111                          | 0.584  | State 111                          | 0.828  | State 111                          | 0.288  | State 111                          | 0.589  | State 111                          | 0.629  |
| State 112                          | 0.584  | State 112                          | 0.828  | State 112                          | 0.288  | State 112                          | 0.589  | State 112                          | 0.629  |
| State 113                          | 0.584  | State 113                          | 0.828  | State 113                          | 0.288  | State 113                          | 0.589  | State 113                          | 0.629  |
| State 114                          | 0.584  | State 114                          | 0.828  | State 114                          | 0.288  | State 114                          | 0.589  | State 114                          | 0.629  |
| State 115                          | 0.584  | State 115                          | 0.828  | State 115                          | 0.288  | State 115                          | 0.589  | State 115                          | 0.629  |
| State 116                          | 0.584  | State 116                          | 0.828  | State 116                          | 0.288  | State 116                          | 0.589  | State 116                          | 0.629  |
| State 117                          | 0.584  | State 117                          | 0.828  | State 117                          | 0.288  | State 117                          | 0.589  | State 117                          | 0.629  |

**Table 14-5**  
**LTE Supplemental Body SAR Data**

| LTE B71                                     |        | LTE B12                                     |        | LTE B13                                    |        | LTE B14                                     |        | LTE B5                                     |        | LTE B26                                    |        | LTE B25                                     |        |
|---------------------------------------------|--------|---------------------------------------------|--------|--------------------------------------------|--------|---------------------------------------------|--------|--------------------------------------------|--------|--------------------------------------------|--------|---------------------------------------------|--------|
| QPSK, 20 MHz Bandwidth, 50 RB, 25 RB Offset |        | QPSK, 10 MHz Bandwidth, 25 RB, 12 RB Offset |        | QPSK, 10 MHz Bandwidth, 1 RB, 49 RB Offset |        | QPSK, 10 MHz Bandwidth, 25 RB, 12 RB Offset |        | QPSK, 10 MHz Bandwidth, 1 RB, 49 RB Offset |        | QPSK, 15 MHz Bandwidth, 1 RB, 74 RB Offset |        | QPSK, 20 MHz Bandwidth, 50 RB, 50 RB Offset |        |
| Test Position                               | Back   | Test Position                               | Back   | Test Position                              | Back   | Test Position                               | Back   | Test Position                              | Back   | Test Position                              | Back   | Test Position                               | Bottom |
| Spacing                                     | 5 mm   | Spacing                                     | 5 mm   | Spacing                                    | 5 mm   | Spacing                                     | 5 mm   | Spacing                                    | 5 mm   | Spacing                                    | 5 mm   | Spacing                                     | 5 mm   |
| Frequency (MHz)                             | 682.50 | Frequency (MHz)                             | 707.50 | Frequency (MHz)                            | 728.20 | Frequency (MHz)                             | 733.30 | Frequency (MHz)                            | 836.50 | Frequency (MHz)                            | 817.50 | Frequency (MHz)                             | 862.50 |
| Channel                                     | 133297 | Channel                                     | 23095  | Channel                                    | 23220  | Channel                                     | 23330  | Channel                                    | 20525  | Channel                                    | 26885  | Channel                                     | 26935  |
| Measured 1g SAR (W/kg)                      | 0.494  | Measured 1g SAR (W/kg)                      | 0.568  | Measured 1g SAR (W/kg)                     | 0.561  | Measured 1g SAR (W/kg)                      | 0.663  | Measured 1g SAR (W/kg)                     | 0.677  | Measured 1g SAR (W/kg)                     | 0.595  | Measured 1g SAR (W/kg)                      | 1.030  |
| Average Value of Time Sweeps (W/kg)         | 0.799  | Average Value of Time Sweeps (W/kg)         | 0.965  | Average Value of Time Sweeps (W/kg)        | 0.938  | Average Value of Time Sweeps (W/kg)         | 1.136  | Average Value of Time Sweeps (W/kg)        | 1.070  | Average Value of Time Sweeps (W/kg)        | 0.950  | Average Value of Time Sweeps (W/kg)         | 1.752  |
| Auto-tune (State 0)                         | 0.799  | Auto-tune (State 0)                         | 0.930  | Auto-tune (State 0)                        | 0.954  | Auto-tune (State 0)                         | 1.133  | Auto-tune (State 0)                        | 1.093  | Auto-tune (State 0)                        | 0.963  | Auto-tune (State 0)                         | 1.695  |
| State 0                                     | 0.799  | State 0                                     | 0.930  | State 0                                    | 0.954  | State 0                                     | 1.133  | State 0                                    | 1.093  | State 0                                    | 0.963  | State 0                                     | 1.621  |
| State 16                                    | 0.527  | State 6                                     | 0.640  | State 16                                   | 0.640  | State 16                                    | 0.862  | State 1                                    | 1.051  | State 13                                   | 0.921  | State 1                                     | 1.420  |
| State 55                                    | 0.333  | State 17                                    | 0.318  | State 54                                   | 0.353  | State 53                                    | 0.351  | State 14                                   | 0.840  | State 51                                   | 0.989  | State 2                                     | 1.699  |
| State 69                                    | 0.488  | State 55                                    | 0.835  | State 63                                   | 0.405  | State 64                                    | 0.065  | State 52                                   | 0.571  | State 89                                   | 0.079  | State 3                                     | 1.468  |
| State 93                                    | 0.481  | State 53                                    | 0.839  | State 62                                   | 0.476  | State 61                                    | 0.458  | State 50                                   | 0.547  | State 108                                  | 0.955  | State 4                                     | 1.680  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 5                                     | 1.404  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 6                                     | 1.377  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 7                                     | 1.352  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 8                                     | 1.836  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 9                                     | 1.875  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 10                                    | 1.542  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 11                                    | 1.347  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 12                                    | 0.728  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 13                                    | 1.605  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 14                                    | 1.264  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 15                                    | 1.216  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 16                                    | 1.222  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 17                                    | 1.241  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 18                                    | 1.238  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 19                                    | 1.270  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 20                                    | 1.481  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 21                                    | 1.291  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 22                                    | 1.249  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 23                                    | 1.185  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 24                                    | 1.051  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 25                                    | 0.862  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 26                                    | 0.115  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 27                                    | 0.134  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 28                                    | 0.149  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 29                                    | 0.134  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 30                                    | 0.117  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 31                                    | 0.127  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 32                                    | 0.111  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 33                                    | 0.101  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 34                                    | 0.108  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 35                                    | 0.061  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 36                                    | 0.046  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 37                                    | 0.009  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 38                                    | 0.013  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 39                                    | 0.014  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 40                                    | 0.350  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 41                                    | 0.380  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 42                                    | 0.372  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 43                                    | 0.368  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 44                                    | 0.372  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 45                                    | 0.333  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 46                                    | 0.311  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 47                                    | 0.271  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 48                                    | 0.220  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 49                                    | 0.250  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 50                                    | 0.198  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 51                                    | 0.077  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 52                                    | 1.018  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 53                                    | 1.096  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 54                                    | 1.079  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 55                                    | 1.115  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 56                                    | 1.115  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 57                                    | 1.110  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 58                                    | 1.103  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 59                                    | 1.107  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 60                                    | 1.231  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 61                                    | 1.241  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 62                                    | 1.213  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 63                                    | 1.115  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 64                                    | 0.915  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 65                                    | 0.886  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 66                                    | 1.001  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 67                                    | 0.749  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 68                                    | 0.784  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 69                                    | 0.818  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 70                                    | 0.817  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 71                                    | 0.807  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 72                                    | 0.977  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 73                                    | 1.085  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 74                                    | 1.220  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 75                                    | 1.280  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 76                                    | 1.271  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 77                                    | 1.009  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 78                                    | 0.141  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 79                                    | 0.225  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 80                                    | 0.242  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 81                                    | 0.246  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 82                                    | 0.285  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 83                                    | 0.297  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 84                                    | 0.329  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 85                                    | 0.363  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 86                                    | 0.337  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 87                                    | 0.361  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 88                                    | 0.276  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 89                                    | 0.181  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 90                                    | 0.104  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 91                                    | 0.501  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 92                                    | 0.639  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 93                                    | 0.644  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 94                                    | 0.640  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 95                                    | 0.663  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 96                                    | 0.663  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 97                                    | 0.696  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 98                                    | 0.687  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 99                                    | 0.652  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 100                                   | 0.521  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 101                                   | 0.429  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 102                                   | 0.325  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 103                                   | 0.217  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 104                                   | 1.403  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 105                                   | 0.107  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 106                                   | 1.008  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 107                                   | 0.132  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 108                                   | 1.404  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 109                                   | 1.008  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 110                                   | 1.008  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 111                                   | 0.136  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 112                                   | 1.409  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 113                                   | 0.354  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 114                                   | 0.885  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 115                                   | 0.453  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 116                                   | 1.138  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 117                                   | 0.384  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 118                                   | 0.697  |
|                                             |        |                                             |        |                                            |        |                                             |        |                                            |        |                                            |        | State 119                                   | 0.482  |

|                                             |  |                                                                                                                              |                               |                                                                                       |                                            |
|---------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------|
| FCC ID: A3LSMF711U                          |  | <br>PCTEST<br>Proud to be part of Samsung | <b>SAR EVALUATION REPORT</b>  |  | <b>Approved by:</b><br><br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) |  | Test Dates:<br>04/08/21 – 06/03/21                                                                                           | DUT Type:<br>Portable Handset | Page 322 of 337                                                                       |                                            |

Table 14-6  
NR Supplemental Body SAR Data

| Supplemental Body SAR Data                           |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    |                                                       |  |                                                                                                                           |                                                          |  |                                                                  |                                                        |  |         |
|------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--|------------------------------------------------------------------|--------------------------------------------------------|--|---------|
| NR Band n01                                          |  |                                                                                                                                                                                                                                             | NR Band n12                                           |  |                                                                                                                                                                                    | NR Band n5                                            |  |                                                                                                                           | NR Band n66                                              |  |                                                                  | NR Band n25                                            |  |         |
| DFT-s-OFDM QPSK, 20 MHz Bandwidth, 1 RB, 1 RB Offset |  |                                                                                                                                                                                                                                             | DFT-s-OFDM QPSK, 15 MHz Bandwidth, 36 RB, 0 RB Offset |  |                                                                                                                                                                                    | DFT-s-OFDM QPSK, 20 MHz Bandwidth, 1 RB, 53 RB Offset |  |                                                                                                                           | DFT-s-OFDM QPSK, 40 MHz Bandwidth, 108 RB, 108 RB Offset |  |                                                                  | DFT-s-OFDM QPSK, 40 MHz Bandwidth, 216 RB, 0 RB Offset |  |         |
| Test Position                                        |  | Back                                                                                                                                                                                                                                        | Test Position                                         |  | Back                                                                                                                                                                               | Test Position                                         |  | Back                                                                                                                      | Test Position                                            |  | Bottom                                                           | Test Position                                          |  | Bottom  |
| Spacing                                              |  | 5 mm <th colspan="2">Spacing</th> <td>5 mm<th colspan="2">Spacing</th><td>5mm<th colspan="2">Spacing</th><td>5mm<th colspan="2">Spacing</th><td>5 mm</td></td></td></td>                                                                    | Spacing                                               |  | 5 mm <th colspan="2">Spacing</th> <td>5mm<th colspan="2">Spacing</th><td>5mm<th colspan="2">Spacing</th><td>5 mm</td></td></td>                                                    | Spacing                                               |  | 5mm <th colspan="2">Spacing</th> <td>5mm<th colspan="2">Spacing</th><td>5 mm</td></td>                                    | Spacing                                                  |  | 5mm <th colspan="2">Spacing</th> <td>5 mm</td>                   | Spacing                                                |  | 5 mm    |
| Frequency (MHz)                                      |  | 680.50 <th colspan="2">Frequency (MHz)</th> <td>707.50<th colspan="2">Frequency (MHz)</th><td>838.50<th colspan="2">Frequency (MHz)</th><td>1745.00<th colspan="2">Frequency (MHz)</th><td>1882.50</td></td></td></td>                      | Frequency (MHz)                                       |  | 707.50 <th colspan="2">Frequency (MHz)</th> <td>838.50<th colspan="2">Frequency (MHz)</th><td>1745.00<th colspan="2">Frequency (MHz)</th><td>1882.50</td></td></td>                | Frequency (MHz)                                       |  | 838.50 <th colspan="2">Frequency (MHz)</th> <td>1745.00<th colspan="2">Frequency (MHz)</th><td>1882.50</td></td>          | Frequency (MHz)                                          |  | 1745.00 <th colspan="2">Frequency (MHz)</th> <td>1882.50</td>    | Frequency (MHz)                                        |  | 1882.50 |
| Channel                                              |  | 135100 <th colspan="2">Channel</th> <td>141500<th colspan="2">Channel</th><td>167300<th colspan="2">Channel</th><td>348000<th colspan="2">Channel</th><td>376500</td></td></td></td>                                                        | Channel                                               |  | 141500 <th colspan="2">Channel</th> <td>167300<th colspan="2">Channel</th><td>348000<th colspan="2">Channel</th><td>376500</td></td></td>                                          | Channel                                               |  | 167300 <th colspan="2">Channel</th> <td>348000<th colspan="2">Channel</th><td>376500</td></td>                            | Channel                                                  |  | 348000 <th colspan="2">Channel</th> <td>376500</td>              | Channel                                                |  | 376500  |
| Measured 1g SAR (W/kg)                               |  | 0.509 <th colspan="2">Measured 1g SAR (W/kg)</th> <td>0.542<th colspan="2">Measured 1g SAR (W/kg)</th><td>0.758<th colspan="2">Measured 1g SAR (W/kg)</th><td>1.080<th colspan="2">Measured 1g SAR (W/kg)</th><td>0.666</td></td></td></td> | Measured 1g SAR (W/kg)                                |  | 0.542 <th colspan="2">Measured 1g SAR (W/kg)</th> <td>0.758<th colspan="2">Measured 1g SAR (W/kg)</th><td>1.080<th colspan="2">Measured 1g SAR (W/kg)</th><td>0.666</td></td></td> | Measured 1g SAR (W/kg)                                |  | 0.758 <th colspan="2">Measured 1g SAR (W/kg)</th> <td>1.080<th colspan="2">Measured 1g SAR (W/kg)</th><td>0.666</td></td> | Measured 1g SAR (W/kg)                                   |  | 1.080 <th colspan="2">Measured 1g SAR (W/kg)</th> <td>0.666</td> | Measured 1g SAR (W/kg)                                 |  | 0.666   |
| Average Value of Time Sweep (W/kg)                   |  |                                                                                                                                                                                                                                             | Average Value of Time Sweep (W/kg)                    |  |                                                                                                                                                                                    | Average Value of Time Sweep (W/kg)                    |  |                                                                                                                           | Average Value of Time Sweep (W/kg)                       |  |                                                                  | Average Value of Time Sweep (W/kg)                     |  |         |
| Auto-tune (State 0)                                  |  | 1.017 <th colspan="2">Auto-tune (State 0)</th> <td>0.872<th colspan="2">Auto-tune (State 0)</th><td>1.253<th colspan="2">Auto-tune (State 0)</th><td>1.738<th colspan="2">Auto-tune (State 0)</th><td>1.042</td></td></td></td>             | Auto-tune (State 0)                                   |  | 0.872 <th colspan="2">Auto-tune (State 0)</th> <td>1.253<th colspan="2">Auto-tune (State 0)</th><td>1.738<th colspan="2">Auto-tune (State 0)</th><td>1.042</td></td></td>          | Auto-tune (State 0)                                   |  | 1.253 <th colspan="2">Auto-tune (State 0)</th> <td>1.738<th colspan="2">Auto-tune (State 0)</th><td>1.042</td></td>       | Auto-tune (State 0)                                      |  | 1.738 <th colspan="2">Auto-tune (State 0)</th> <td>1.042</td>    | Auto-tune (State 0)                                    |  | 1.042   |
| Default (State 0)                                    |  | 1.017 <th colspan="2">Default (State 0)</th> <td>0.872<th colspan="2">Default (State 0)</th><td>1.253<th colspan="2">Default (State 0)</th><td>1.738<th colspan="2">Default (State 0)</th><td>1.000</td></td></td></td>                     | Default (State 0)                                     |  | 0.872 <th colspan="2">Default (State 0)</th> <td>1.253<th colspan="2">Default (State 0)</th><td>1.738<th colspan="2">Default (State 0)</th><td>1.000</td></td></td>                | Default (State 0)                                     |  | 1.253 <th colspan="2">Default (State 0)</th> <td>1.738<th colspan="2">Default (State 0)</th><td>1.000</td></td>           | Default (State 0)                                        |  | 1.738 <th colspan="2">Default (State 0)</th> <td>1.000</td>      | Default (State 0)                                      |  | 1.000   |
| State 0                                              |  | 1.017 <th colspan="2">State 0</th> <td>0.872<th colspan="2">State 0</th><td>1.253<th colspan="2">State 0</th><td>1.735<th colspan="2">State 6</th><td>1.093</td></td></td></td>                                                             | State 0                                               |  | 0.872 <th colspan="2">State 0</th> <td>1.253<th colspan="2">State 0</th><td>1.735<th colspan="2">State 6</th><td>1.093</td></td></td>                                              | State 0                                               |  | 1.253 <th colspan="2">State 0</th> <td>1.735<th colspan="2">State 6</th><td>1.093</td></td>                               | State 0                                                  |  | 1.735 <th colspan="2">State 6</th> <td>1.093</td>                | State 6                                                |  | 1.093   |
| State 10                                             |  | 0.186 <th colspan="2">State 9</th> <td>0.363<th colspan="2">State 1</th><td>1.244<th colspan="2">State 1</th><td>1.735<th colspan="2">State 6</th><td>1.042</td></td></td></td>                                                             | State 9                                               |  | 0.363 <th colspan="2">State 1</th> <td>1.244<th colspan="2">State 1</th><td>1.735<th colspan="2">State 6</th><td>1.042</td></td></td>                                              | State 1                                               |  | 1.244 <th colspan="2">State 1</th> <td>1.735<th colspan="2">State 6</th><td>1.042</td></td>                               | State 1                                                  |  | 1.735 <th colspan="2">State 6</th> <td>1.042</td>                | State 6                                                |  | 1.042   |
| State 48                                             |  | 0.235 <th colspan="2">State 47</th> <td>0.287<th colspan="2">State 2</th><td>1.223<th colspan="2">State 2</th><td>1.730<th colspan="2">State 44</th><td>0.309</td></td></td></td>                                                           | State 47                                              |  | 0.287 <th colspan="2">State 2</th> <td>1.223<th colspan="2">State 2</th><td>1.730<th colspan="2">State 44</th><td>0.309</td></td></td>                                             | State 2                                               |  | 1.223 <th colspan="2">State 2</th> <td>1.730<th colspan="2">State 44</th><td>0.309</td></td>                              | State 2                                                  |  | 1.730 <th colspan="2">State 44</th> <td>0.309</td>               | State 44                                               |  | 0.309   |
| State 55                                             |  | 0.478 <th colspan="2">State 55</th> <td>0.182<th colspan="2">State 3</th><td>1.208<th colspan="2">State 3</th><td>1.725<th colspan="2">State 82</th><td>0.238</td></td></td></td>                                                           | State 55                                              |  | 0.182 <th colspan="2">State 3</th> <td>1.208<th colspan="2">State 3</th><td>1.725<th colspan="2">State 82</th><td>0.238</td></td></td>                                             | State 3                                               |  | 1.208 <th colspan="2">State 3</th> <td>1.725<th colspan="2">State 82</th><td>0.238</td></td>                              | State 3                                                  |  | 1.725 <th colspan="2">State 82</th> <td>0.238</td>               | State 82                                               |  | 0.238   |
| State 95                                             |  | 0.078 <th colspan="2">State 105</th> <td>0.824<th colspan="2">State 4</th><td>1.152<th colspan="2">State 4</th><td>1.713<th colspan="2">State 116</th><td>1.092</td></td></td></td>                                                         | State 105                                             |  | 0.824 <th colspan="2">State 4</th> <td>1.152<th colspan="2">State 4</th><td>1.713<th colspan="2">State 116</th><td>1.092</td></td></td>                                            | State 4                                               |  | 1.152 <th colspan="2">State 4</th> <td>1.713<th colspan="2">State 116</th><td>1.092</td></td>                             | State 4                                                  |  | 1.713 <th colspan="2">State 116</th> <td>1.092</td>              | State 116                                              |  | 1.092   |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 5                                               |  | 1.102 <th colspan="2">State 5</th> <td>1.710<th colspan="2"></th><td></td></td>                                           | State 5                                                  |  | 1.710 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 6                                               |  | 0.927 <th colspan="2">State 6</th> <td>1.677<th colspan="2"></th><td></td></td>                                           | State 6                                                  |  | 1.677 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 7                                               |  | 0.770 <th colspan="2">State 7</th> <td>1.624<th colspan="2"></th><td></td></td>                                           | State 7                                                  |  | 1.624 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 8                                               |  | 0.608 <th colspan="2">State 8</th> <td>1.568<th colspan="2"></th><td></td></td>                                           | State 8                                                  |  | 1.568 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 9                                               |  | 0.417 <th colspan="2">State 9</th> <td>1.444<th colspan="2"></th><td></td></td>                                           | State 9                                                  |  | 1.444 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 10                                              |  | 0.314 <th colspan="2">State 10</th> <td>1.305<th colspan="2"></th><td></td></td>                                          | State 10                                                 |  | 1.305 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 11                                              |  | 0.216 <th colspan="2">State 11</th> <td>1.126<th colspan="2"></th><td></td></td>                                          | State 11                                                 |  | 1.126 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 12                                              |  | 0.128 <th colspan="2">State 12</th> <td>0.835<th colspan="2"></th><td></td></td>                                          | State 12                                                 |  | 0.835 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 13                                              |  | 0.886 <th colspan="2">State 13</th> <td>1.420<th colspan="2"></th><td></td></td>                                          | State 13                                                 |  | 1.420 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 14                                              |  | 0.989 <th colspan="2">State 14</th> <td>1.465<th colspan="2"></th><td></td></td>                                          | State 14                                                 |  | 1.465 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 15                                              |  | 0.992 <th colspan="2">State 15</th> <td>1.478<th colspan="2"></th><td></td></td>                                          | State 15                                                 |  | 1.478 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 16                                              |  | 0.986 <th colspan="2">State 16</th> <td>1.487<th colspan="2"></th><td></td></td>                                          | State 16                                                 |  | 1.487 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 17                                              |  | 0.967 <th colspan="2">State 17</th> <td>1.504<th colspan="2"></th><td></td></td>                                          | State 17                                                 |  | 1.504 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 18                                              |  | 0.935 <th colspan="2">State 18</th> <td>1.507<th colspan="2"></th><td></td></td>                                          | State 18                                                 |  | 1.507 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 19                                              |  | 0.894 <th colspan="2">State 19</th> <td>1.559<th colspan="2"></th><td></td></td>                                          | State 19                                                 |  | 1.559 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 20                                              |  | 0.656 <th colspan="2">State 20</th> <td>1.568<th colspan="2"></th><td></td></td>                                          | State 20                                                 |  | 1.568 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 21                                              |  | 0.500 <th colspan="2">State 21</th> <td>1.552<th colspan="2"></th><td></td></td>                                          | State 21                                                 |  | 1.552 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 22                                              |  | 0.326 <th colspan="2">State 22</th> <td>1.468<th colspan="2"></th><td></td></td>                                          | State 22                                                 |  | 1.468 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 23                                              |  | 0.239 <th colspan="2">State 23</th> <td>1.356<th colspan="2"></th><td></td></td>                                          | State 23                                                 |  | 1.356 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 24                                              |  | 0.161 <th colspan="2">State 24</th> <td>1.159<th colspan="2"></th><td></td></td>                                          | State 24                                                 |  | 1.159 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 25                                              |  | 0.093 <th colspan="2">State 25</th> <td>0.830<th colspan="2"></th><td></td></td>                                          | State 25                                                 |  | 0.830 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 26                                              |  | 1.077 <th colspan="2">State 26</th> <td>0.274<th colspan="2"></th><td></td></td>                                          | State 26                                                 |  | 0.274 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 27                                              |  | 0.966 <th colspan="2">State 27</th> <td>0.290<th colspan="2"></th><td></td></td>                                          | State 27                                                 |  | 0.290 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 28                                              |  | 0.943 <th colspan="2">State 28</th> <td>0.281<th colspan="2"></th><td></td></td>                                          | State 28                                                 |  | 0.281 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 29                                              |  | 0.915 <th colspan="2">State 29</th> <td>0.273<th colspan="2"></th><td></td></td>                                          | State 29                                                 |  | 0.273 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 30                                              |  | 0.855 <th colspan="2">State 30</th> <td>0.259<th colspan="2"></th><td></td></td>                                          | State 30                                                 |  | 0.259 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 31                                              |  | 0.805 <th colspan="2">State 31</th> <td>0.268<th colspan="2"></th><td></td></td>                                          | State 31                                                 |  | 0.268 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 32                                              |  | 0.653 <th colspan="2">State 32</th> <td>0.233<th colspan="2"></th><td></td></td>                                          | State 32                                                 |  | 0.233 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 33                                              |  | 0.531 <th colspan="2">State 33</th> <td>0.212<th colspan="2"></th><td></td></td>                                          | State 33                                                 |  | 0.212 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 34                                              |  | 0.415 <th colspan="2">State 34</th> <td>0.176<th colspan="2"></th><td></td></td>                                          | State 34                                                 |  | 0.176 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 35                                              |  | 0.283 <th colspan="2">State 35</th> <td>0.131<th colspan="2"></th><td></td></td>                                          | State 35                                                 |  | 0.131 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 36                                              |  | 0.214 <th colspan="2">State 36</th> <td>0.101<th colspan="2"></th><td></td></td>                                          | State 36                                                 |  | 0.101 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 37                                              |  | 0.148 <th colspan="2">State 37</th> <td>0.099<th colspan="2"></th><td></td></td>                                          | State 37                                                 |  | 0.099 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 38                                              |  | 0.089 <th colspan="2">State 38</th> <td>0.037<th colspan="2"></th><td></td></td>                                          | State 38                                                 |  | 0.037 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 39                                              |  | 0.994 <th colspan="2">State 39</th> <td>0.722<th colspan="2"></th><td></td></td>                                          | State 39                                                 |  | 0.722 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 40                                              |  | 1.065 <th colspan="2">State 40</th> <td>0.715<th colspan="2"></th><td></td></td>                                          | State 40                                                 |  | 0.715 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 41                                              |  | 1.092 <th colspan="2">State 41</th> <td>0.702<th colspan="2"></th><td></td></td>                                          | State 41                                                 |  | 0.702 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 42                                              |  | 1.105 <th colspan="2">State 42</th> <td>0.686<th colspan="2"></th><td></td></td>                                          | State 42                                                 |  | 0.686 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 43                                              |  | 1.069 <th colspan="2">State 43</th> <td>0.664<th colspan="2"></th><td></td></td>                                          | State 43                                                 |  | 0.664 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 44                                              |  | 1.038 <th colspan="2">State 44</th> <td>0.671<th colspan="2"></th><td></td></td>                                          | State 44                                                 |  | 0.671 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 45                                              |  | 0.803 <th colspan="2">State 45</th> <td>0.596<th colspan="2"></th><td></td></td>                                          | State 45                                                 |  | 0.596 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 46                                              |  | 0.735 <th colspan="2">State 46</th> <td>0.568<th colspan="2"></th><td></td></td>                                          | State 46                                                 |  | 0.568 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 47                                              |  | 0.585 <th colspan="2">State 47</th> <td>0.484<th colspan="2"></th><td></td></td>                                          | State 47                                                 |  | 0.484 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 48                                              |  | 0.391 <th colspan="2">State 48</th> <td>0.387<th colspan="2"></th><td></td></td>                                          | State 48                                                 |  | 0.387 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 49                                              |  | 0.291 <th colspan="2">State 49</th> <td>0.323<th colspan="2"></th><td></td></td>                                          | State 49                                                 |  | 0.323 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 50                                              |  | 0.196 <th colspan="2">State 50</th> <td>0.240<th colspan="2"></th><td></td></td>                                          | State 50                                                 |  | 0.240 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 51                                              |  | 0.115 <th colspan="2">State 51</th> <td>0.154<th colspan="2"></th><td></td></td>                                          | State 51                                                 |  | 0.154 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 52                                              |  | 0.614 <th colspan="2">State 52</th> <td>1.239<th colspan="2"></th><td></td></td>                                          | State 52                                                 |  | 1.239 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 53                                              |  | 0.799 <th colspan="2">State 53</th> <td>1.302<th colspan="2"></th><td></td></td>                                          | State 53                                                 |  | 1.302 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 54                                              |  | 0.802 <th colspan="2">State 54</th> <td>1.319<th colspan="2"></th><td></td></td>                                          | State 54                                                 |  | 1.319 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 55                                              |  | 0.825 <th colspan="2">State 55</th> <td>1.333<th colspan="2"></th><td></td></td>                                          | State 55                                                 |  | 1.333 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 56                                              |  | 0.786 <th colspan="2">State 56</th> <td>1.358<th colspan="2"></th><td></td></td>                                          | State 56                                                 |  | 1.358 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 57                                              |  | 0.741 <th colspan="2">State 57</th> <td>1.358<th colspan="2"></th><td></td></td>                                          | State 57                                                 |  | 1.358 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 58                                              |  | 0.574 <th colspan="2">State 58</th> <td>1.409<th colspan="2"></th><td></td></td>                                          | State 58                                                 |  | 1.409 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 59                                              |  | 0.421 <th colspan="2">State 59</th> <td>1.455<th colspan="2"></th><td></td></td>                                          | State 59                                                 |  | 1.455 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 60                                              |  | 0.298 <th colspan="2">State 60</th> <td>1.474<th colspan="2"></th><td></td></td>                                          | State 60                                                 |  | 1.474 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 61                                              |  | 0.180 <th colspan="2">State 61</th> <td>1.488<th colspan="2"></th><td></td></td>                                          | State 61                                                 |  | 1.488 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 62                                              |  | 0.130 <th colspan="2">State 62</th> <td>1.441<th colspan="2"></th><td></td></td>                                          | State 62                                                 |  | 1.441 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 63                                              |  | 0.088 <th colspan="2">State 63</th> <td>1.287<th colspan="2"></th><td></td></td>                                          | State 63                                                 |  | 1.287 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 64                                              |  | 0.050 <th colspan="2">State 64</th> <td>1.014<th colspan="2"></th><td></td></td>                                          | State 64                                                 |  | 1.014 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 65                                              |  | 0.360 <th colspan="2">State 65</th> <td>0.820<th colspan="2"></th><td></td></td>                                          | State 65                                                 |  | 0.820 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 66                                              |  | 0.678 <th colspan="2">State 66</th> <td>0.892<th colspan="2"></th><td></td></td>                                          | State 66                                                 |  | 0.892 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 67                                              |  | 0.726 <th colspan="2">State 67</th> <td>0.913<th colspan="2"></th><td></td></td>                                          | State 67                                                 |  | 0.913 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 68                                              |  | 0.776 <th colspan="2">State 68</th> <td>0.933<th colspan="2"></th><td></td></td>                                          | State 68                                                 |  | 0.933 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 69                                              |  | 0.855 <th colspan="2">State 69</th> <td>0.977<th colspan="2"></th><td></td></td>                                          | State 69                                                 |  | 0.977 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 70                                              |  | 0.883 <th colspan="2">State 70</th> <td>0.985<th colspan="2"></th><td></td></td>                                          | State 70                                                 |  | 0.985 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 71                                              |  | 0.874 <th colspan="2">State 71</th> <td>1.110<th colspan="2"></th><td></td></td>                                          | State 71                                                 |  | 1.110 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 72                                              |  | 0.413 <th colspan="2">State 72</th> <td>1.212<th colspan="2"></th><td></td></td>                                          | State 72                                                 |  | 1.212 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 73                                              |  | 0.232 <th colspan="2">State 73</th> <td>1.357<th colspan="2"></th><td></td></td>                                          | State 73                                                 |  | 1.357 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 74                                              |  | 0.109 <th colspan="2">State 74</th> <td>1.543<th colspan="2"></th><td></td></td>                                          | State 74                                                 |  | 1.543 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 75                                              |  | 0.088 <th colspan="2">State 75</th> <td>1.610<th colspan="2"></th><td></td></td>                                          | State 75                                                 |  | 1.610 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 76                                              |  | 0.039 <th colspan="2">State 76</th> <td>1.522<th colspan="2"></th><td></td></td>                                          | State 76                                                 |  | 1.522 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 77                                              |  | 0.019 <th colspan="2">State 77</th> <td>1.063<th colspan="2"></th><td></td></td>                                          | State 77                                                 |  | 1.063 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 78                                              |  | 0.756 <th colspan="2">State 78</th> <td>0.351<th colspan="2"></th><td></td></td>                                          | State 78                                                 |  | 0.351 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 79                                              |  | 0.809 <th colspan="2">State 79</th> <td>0.486<th colspan="2"></th><td></td></td>                                          | State 79                                                 |  | 0.486 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 80                                              |  | 0.778 <th colspan="2">State 80</th> <td>0.502<th colspan="2"></th><td></td></td>                                          | State 80                                                 |  | 0.502 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 81                                              |  | 0.738 <th colspan="2">State 81</th> <td>0.506<th colspan="2"></th><td></td></td>                                          | State 81                                                 |  | 0.506 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 82                                              |  | 0.669 <th colspan="2">State 82</th> <td>0.516<th colspan="2"></th><td></td></td>                                          | State 82                                                 |  | 0.516 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 83                                              |  | 0.597 <th colspan="2">State 83</th> <td>0.565<th colspan="2"></th><td></td></td>                                          | State 83                                                 |  | 0.565 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 84                                              |  | 0.423 <th colspan="2">State 84</th> <td>0.571<th colspan="2"></th><td></td></td>                                          | State 84                                                 |  | 0.571 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 85                                              |  | 0.306 <th colspan="2">State 85</th> <td>0.571<th colspan="2"></th><td></td></td>                                          | State 85                                                 |  | 0.571 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 86                                              |  | 0.221 <th colspan="2">State 86</th> <td>0.508<th colspan="2"></th><td></td></td>                                          | State 86                                                 |  | 0.508 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 87                                              |  | 0.140 <th colspan="2">State 87</th> <td>0.407<th colspan="2"></th><td></td></td>                                          | State 87                                                 |  | 0.407 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 88                                              |  | 0.106 <th colspan="2">State 88</th> <td>0.328<th colspan="2"></th><td></td></td>                                          | State 88                                                 |  | 0.328 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 89                                              |  | 0.074 <th colspan="2">State 89</th> <td>0.239<th colspan="2"></th><td></td></td>                                          | State 89                                                 |  | 0.239 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 90                                              |  | 0.049 <th colspan="2">State 90</th> <td>0.154<th colspan="2"></th><td></td></td>                                          | State 90                                                 |  | 0.154 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 91                                              |  | 0.434 <th colspan="2">State 91</th> <td>1.002<th colspan="2"></th><td></td></td>                                          | State 91                                                 |  | 1.002 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 92                                              |  | 0.710 <th colspan="2">State 92</th> <td>1.125<th colspan="2"></th><td></td></td>                                          | State 92                                                 |  | 1.125 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 93                                              |  | 0.748 <th colspan="2">State 93</th> <td>1.126<th colspan="2"></th><td></td></td>                                          | State 93                                                 |  | 1.126 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 94                                              |  | 0.777 <th colspan="2">State 94</th> <td>1.125<th colspan="2"></th><td></td></td>                                          | State 94                                                 |  | 1.125 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 95                                              |  | 0.820 <th colspan="2">State 95</th> <td>1.118<th colspan="2"></th><td></td></td>                                          | State 95                                                 |  | 1.118 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 96                                              |  | 0.817 <th colspan="2">State 96</th> <td>1.142<th colspan="2"></th><td></td></td>                                          | State 96                                                 |  | 1.142 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 97                                              |  | 0.861 <th colspan="2">State 97</th> <td>1.103<th colspan="2"></th><td></td></td>                                          | State 97                                                 |  | 1.103 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 98                                              |  | 0.456 <th colspan="2">State 98</th> <td>1.070<th colspan="2"></th><td></td></td>                                          | State 98                                                 |  | 1.070 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 99                                              |  | 0.289 <th colspan="2">State 99</th> <td>0.963<th colspan="2"></th><td></td></td>                                          | State 99                                                 |  | 0.963 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 100                                             |  | 0.152 <th colspan="2">State 100</th> <td>0.803<th colspan="2"></th><td></td></td>                                         | State 100                                                |  | 0.803 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 101                                             |  | 0.099 <th colspan="2">State 101</th> <td>0.668<th colspan="2"></th><td></td></td>                                         | State 101                                                |  | 0.668 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 102                                             |  | 0.061 <th colspan="2">State 102</th> <td>0.514<th colspan="2"></th><td></td></td>                                         | State 102                                                |  | 0.514 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 103                                             |  | 0.033 <th colspan="2">State 103</th> <td>0.348<th colspan="2"></th><td></td></td>                                         | State 103                                                |  | 0.348 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 104                                             |  | 1.262 <th colspan="2">State 104</th> <td>1.868<th colspan="2"></th><td></td></td>                                         | State 104                                                |  | 1.868 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 105                                             |  | 1.189 <th colspan="2">State 105</th> <td>0.287<th colspan="2"></th><td></td></td>                                         | State 105                                                |  | 0.287 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 106                                             |  | 0.615 <th colspan="2">State 106</th> <td>1.422<th colspan="2"></th><td></td></td>                                         | State 106                                                |  | 1.422 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 107                                             |  | 0.735 <th colspan="2">State 107</th> <td>0.363<th colspan="2"></th><td></td></td>                                         | State 107                                                |  | 0.363 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 108                                             |  | 1.267 <th colspan="2">State 108</th> <td>1.872<th colspan="2"></th><td></td></td>                                         | State 108                                                |  | 1.872 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 109                                             |  | 1.193 <th colspan="2">State 109</th> <td>0.285<th colspan="2"></th><td></td></td>                                         | State 109                                                |  | 0.285 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 110                                             |  | 0.612 <th colspan="2">State 110</th> <td>1.422<th colspan="2"></th><td></td></td>                                         | State 110                                                |  | 1.422 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 111                                             |  | 0.756 <th colspan="2">State 111</th> <td>0.364<th colspan="2"></th><td></td></td>                                         | State 111                                                |  | 0.364 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 112                                             |  | 0.887 <th colspan="2">State 112</th> <td>1.595<th colspan="2"></th><td></td></td>                                         | State 112                                                |  | 1.595 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 113                                             |  | 1.041 <th colspan="2">State 113</th> <td>0.760<th colspan="2"></th><td></td></td>                                         | State 113                                                |  | 0.760 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 114                                             |  | 0.361 <th colspan="2">State 114</th> <td>0.951<th colspan="2"></th><td></td></td>                                         | State 114                                                |  | 0.951 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 115                                             |  | 0.434 <th colspan="2">State 115</th> <td>0.990<th colspan="2"></th><td></td></td>                                         | State 115                                                |  | 0.990 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 116                                             |  | 0.890 <th colspan="2">State 116</th> <td>1.587<th colspan="2"></th><td></td></td>                                         | State 116                                                |  | 1.587 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 117                                             |  | 1.037 <th colspan="2">State 117</th> <td>0.763<th colspan="2"></th><td></td></td>                                         | State 117                                                |  | 0.763 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 118                                             |  | 0.361 <th colspan="2">State 118</th> <td>0.947<th colspan="2"></th><td></td></td>                                         | State 118                                                |  | 0.947 <th colspan="2"></th> <td></td>                            |                                                        |  |         |
|                                                      |  |                                                                                                                                                                                                                                             |                                                       |  |                                                                                                                                                                                    | State 119                                             |  | 0.435 <th colspan="2">State 119</th> <td>0.999<th colspan="2"></th><td></td></td>                                         | State 119                                                |  | 0.999 <th colspan="2"></th> <td></td>                            |                                                        |  |         |

## 14.2 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per May 2017 TCB Workshop Notes based on the device behavior, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the highest power and available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR for each exposure condition. The linearity between the Power Class 2 and Power Class 3 SAR results and the respective frame averaged powers was calculated to determine that the results were linear. When ULCA is active, the linearity between the Power Class 2 with ULCA active and Power Class 3 with ULCA active SAR results and the respective frame averaged powers was calculated to determine that the results were linear. Per May 2017 TCB Workshop, no additional SAR measurements were required since the linearity between power classes was < 10% and all reported SAR values were < 1.4 W/kg for 1g and < 3.5 W/kg for 10g.

**Table 14-7**  
**LTE Band 41 Head Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 25.50           | 28.00           |
| Measured Output Power (dBm)         | 24.12           | 26.51           |
| Measured SAR (W/kg)                 | 0.072           | 0.084           |
| Measured Power (mW)                 | 258.23          | 447.71          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 163.46          | 193.86          |
| % deviation from expected linearity |                 | -0.84%          |

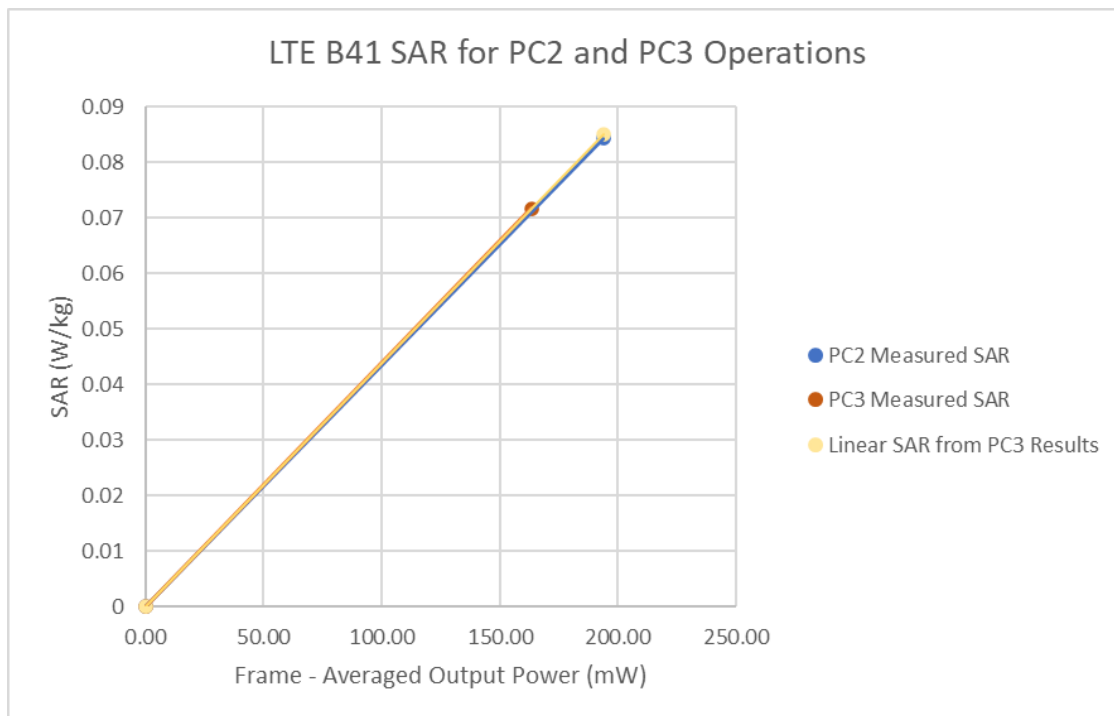


**Figure 14-1**  
**LTE Band 41 Head Linearity**

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 324 of 337                        |



**Table 14-8**  
**LTE Band 41 ULCA Head Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 25.50           | 28.00           |
| Measured Output Power (dBm)         | 24.85           | 26.67           |
| Measured SAR (W/kg)                 | 0.081           | 0.080           |
| Measured Power (mW)                 | 305.49          | 464.52          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 193.38          | 201.14          |
| % deviation from expected linearity |                 | -5.04%          |

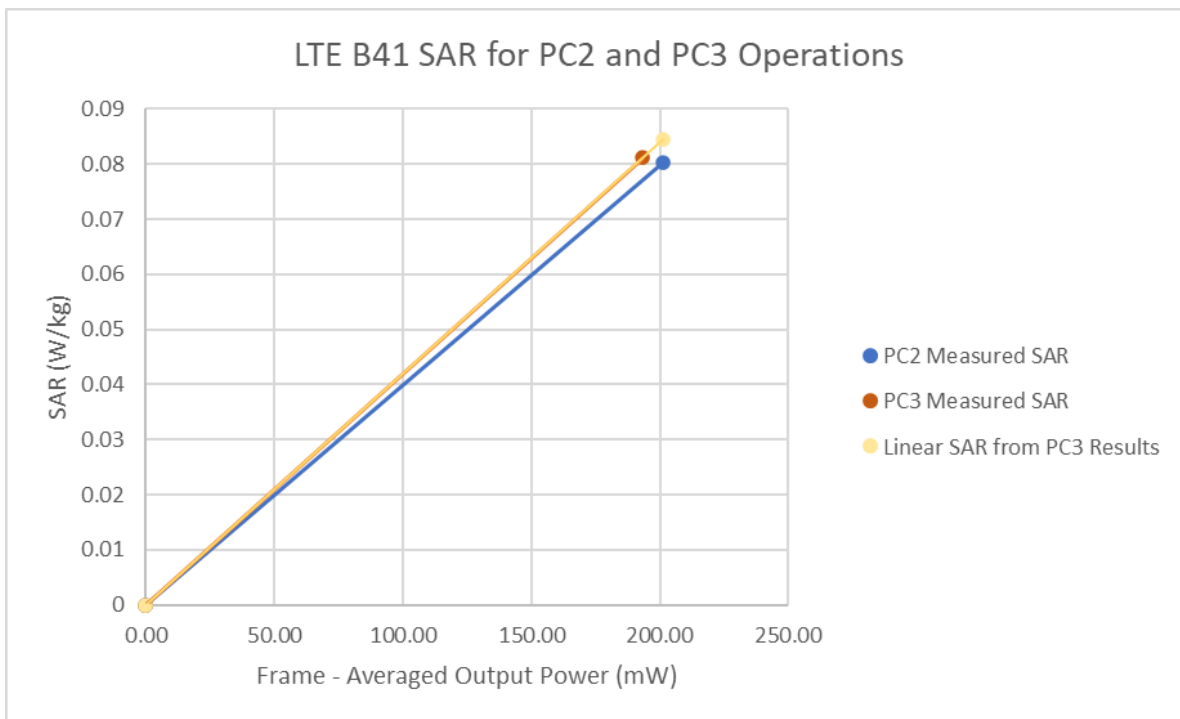


**Figure 14-2**  
**LTE Band 41 ULCA Head Linearity**

|                                                    |                                                                                                                                                                                                        |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                              | <b>DUT Type:</b><br>Portable Handset   |
| © 2021 PCTEST                                      |                                                                                                                                                                                                        | REV 21.4 M<br>09/11/2019               |

**Table 14-9**  
**LTE Band 41 Body-Worn Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 25.50           | 28.00           |
| Measured Output Power (dBm)         | 24.54           | 26.99           |
| Measured SAR (W/kg)                 | 0.284           | 0.319           |
| Measured Power (mW)                 | 284.45          | 500.03          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 180.05          | 216.51          |
| % deviation from expected linearity |                 | -6.59%          |

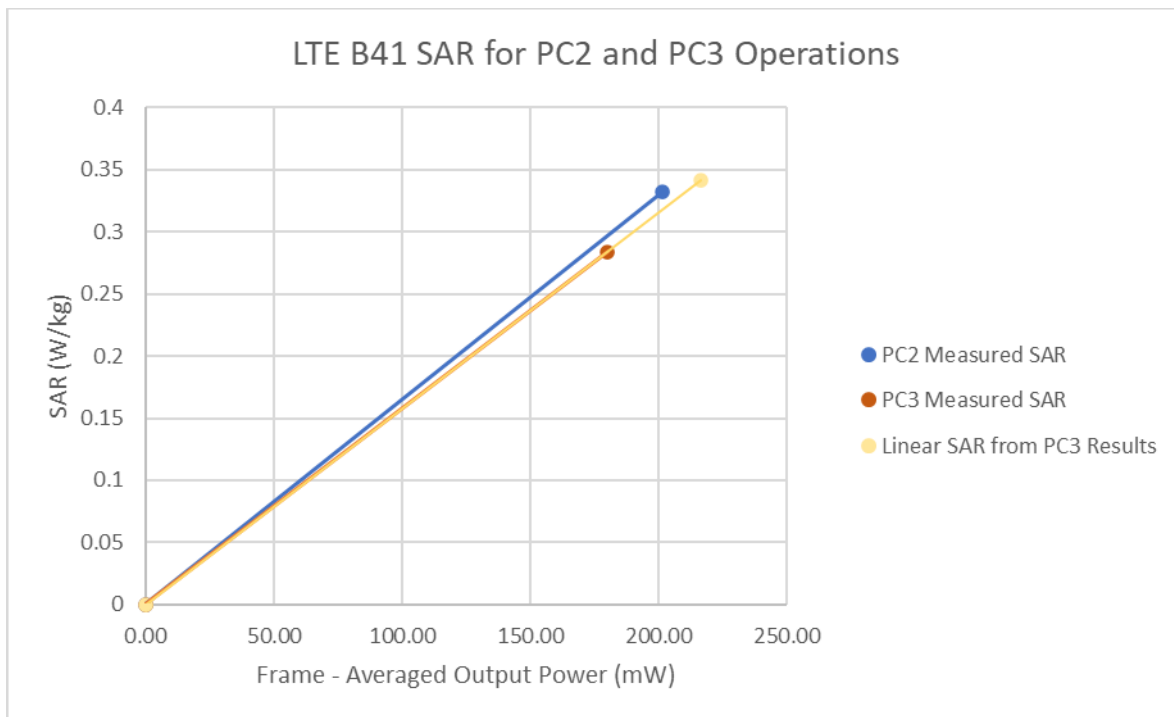


**Figure 14-3**  
**LTE Band 41 Body-Worn Linearity**

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
| © 2021 PCTEST                               |                                                                                                                                                                                                        | REV 21.4 M<br>09/11/2019        |

**Table 14-10**  
**LTE Band 41 ULCA Body-Worn Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 25.50           | 28.00           |
| Measured Output Power (dBm)         | 24.85           | 26.67           |
| Measured SAR (W/kg)                 | 0.324           | 0.332           |
| Measured Power (mW)                 | 305.49          | 464.52          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 193.38          | 201.14          |
| % deviation from expected linearity |                 | -1.48%          |

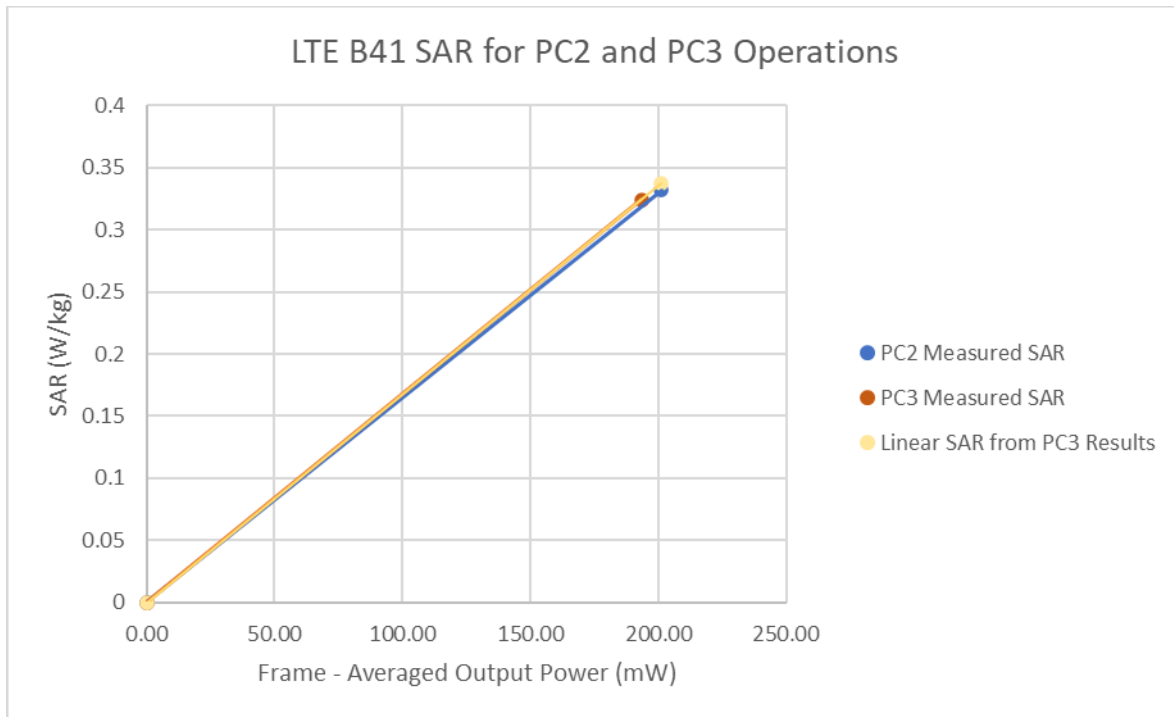


**Figure 14-4**  
**LTE Band 41 ULCA Body-Worn Linearity**

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
| © 2021 PCTEST                               |                                                                                                                                                                                                        | REV 21.4 M<br>09/11/2019        |

**Table 14-11**  
**LTE Band 41 Hotspot Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 20.50           | 22.10           |
| Measured Output Power (dBm)         | 20.15           | 22.01           |
| Measured SAR (W/kg)                 | 1.020           | 0.992           |
| Measured Power (mW)                 | 103.51          | 158.85          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 65.52           | 68.78           |
| % deviation from expected linearity |                 | -7.35%          |

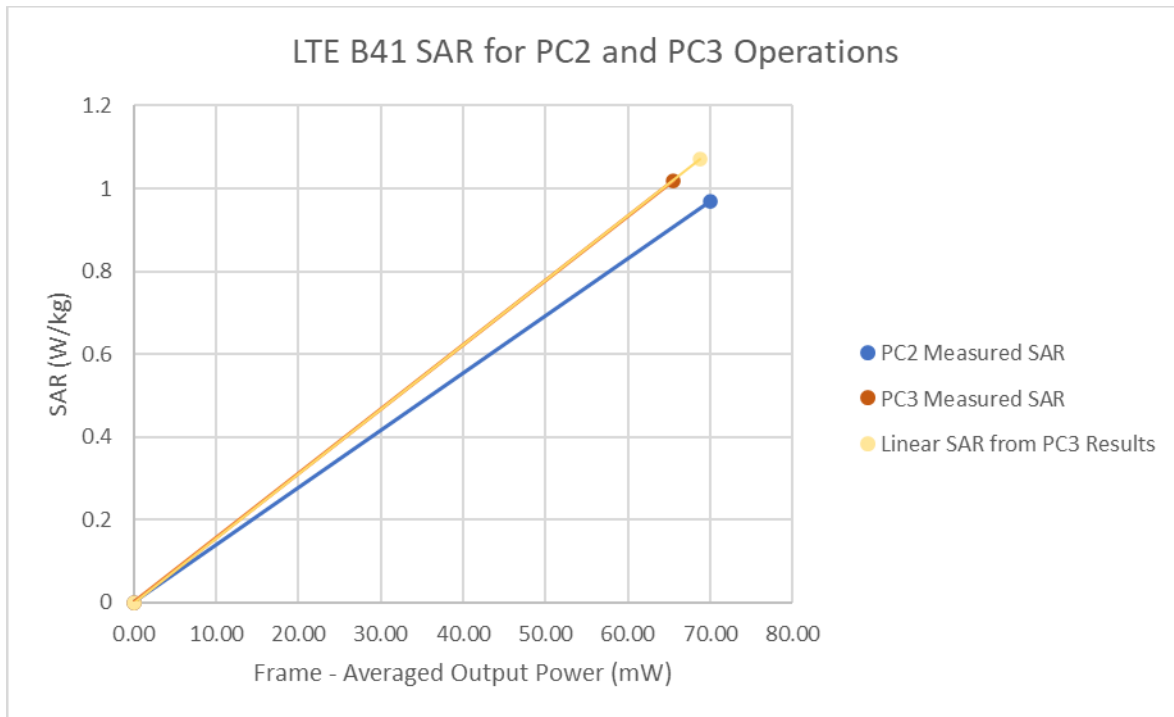


**Figure 14-5**  
**LTE Band 41 Hotspot Linearity**

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
| Page 328 of 337                             |                                                                                                                                                                                                        |                                 |

**Table 14-12**  
**LTE Band 41 ULCA Hotspot Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 20.50           | 22.10           |
| Measured Output Power (dBm)         | 20.20           | 22.09           |
| Measured SAR (W/kg)                 | 0.982           | 0.970           |
| Measured Power (mW)                 | 104.71          | 161.81          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 66.28           | 70.06           |
| % deviation from expected linearity |                 | -6.55%          |

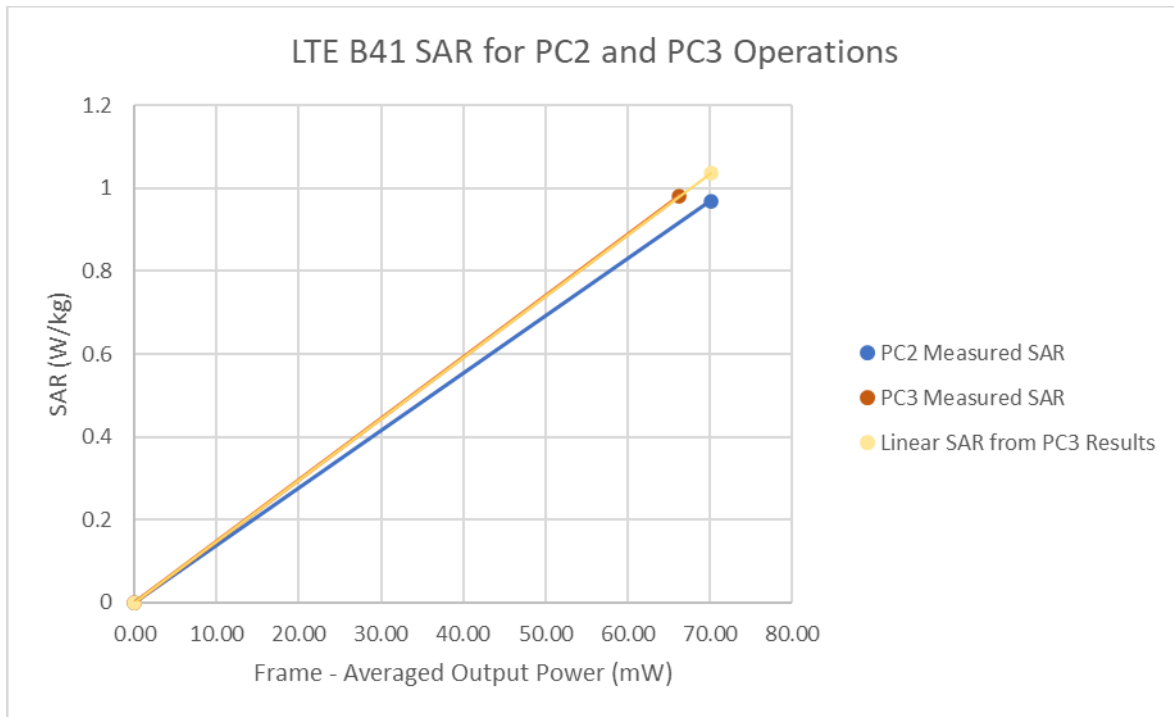


**Figure 14-6**  
**LTE Band 41 ULCA Hotspot Linearity**

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
| © 2021 PCTEST                               |                                                                                                                                                                                                        | REV 21.4 M<br>09/11/2019        |

**Table 14-13**  
**LTE Band 41 Phablet Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 24.00           | 25.60           |
| Measured Output Power (dBm)         | 23.34           | 25.10           |
| Measured SAR (W/kg)                 | 2.090           | 2.220           |
| Measured Power (mW)                 | 215.77          | 323.59          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 136.59          | 140.12          |
| % deviation from expected linearity |                 | 3.54%           |

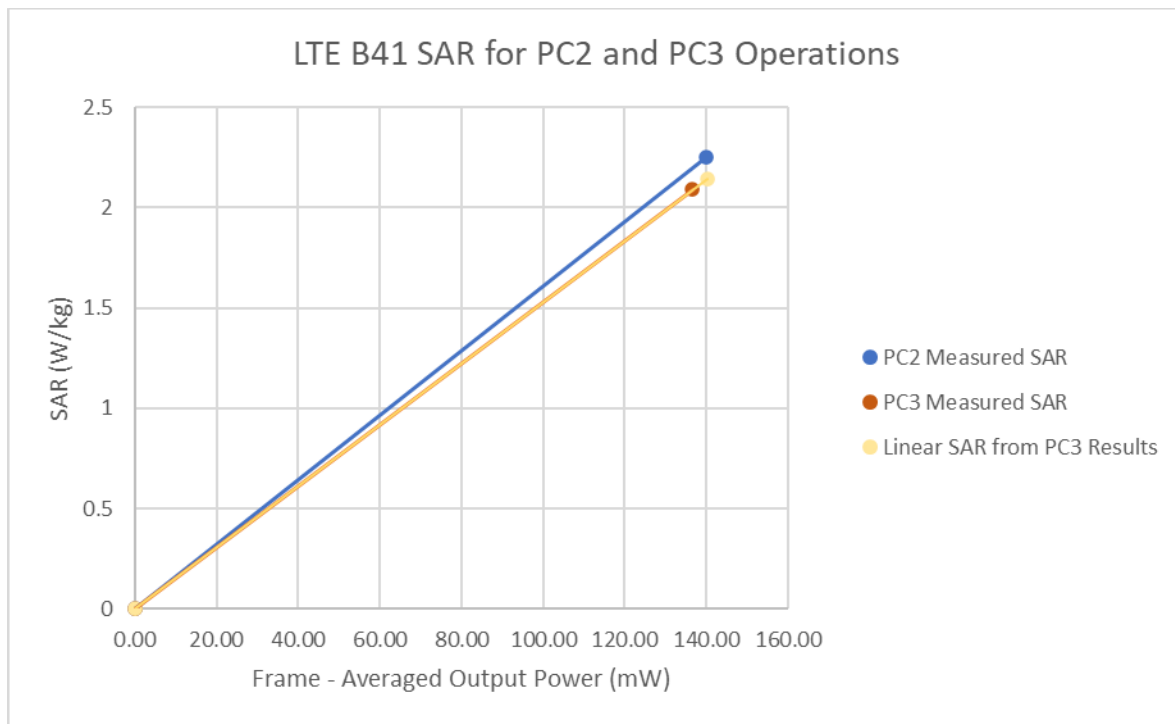


**Figure 14-7**  
**LTE Band 41 Phablet Linearity**

|                                                    |                                                                                                                                                                                                        |                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMF711U                                 |  <b>SAR EVALUATION REPORT</b>  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2104070032-01.A3L (Rev1) | <b>Test Dates:</b><br>04/08/21 – 06/03/21                                                                                                                                                              | <b>DUT Type:</b><br>Portable Handset   |
| © 2021 PCTEST                                      |                                                                                                                                                                                                        | REV 21.4 M<br>09/11/2019               |

**Table 14-14**  
**LTE Band 41 ULCA Phablet Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 24.00           | 25.60           |
| Measured Output Power (dBm)         | 23.21           | 25.09           |
| Measured SAR (W/kg)                 | 2.170           | 2.250           |
| Measured Power (mW)                 | 209.41          | 322.85          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 132.56          | 139.79          |
| % deviation from expected linearity |                 | -1.68%          |

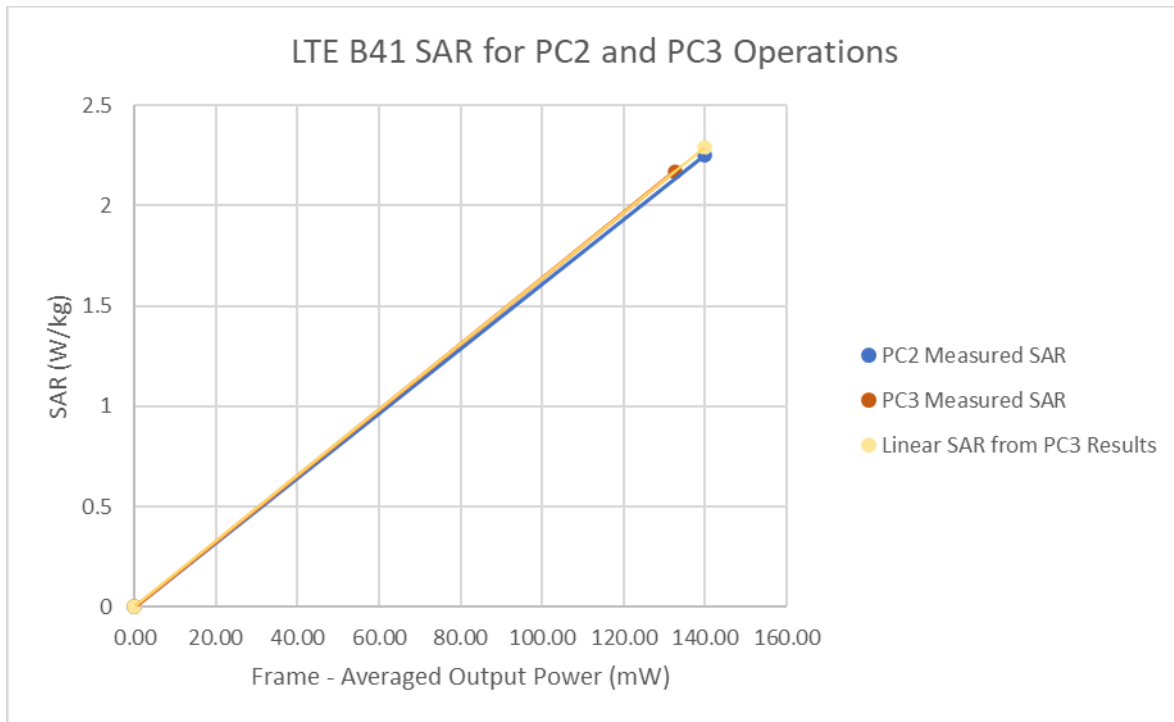


**Figure 14-8**  
**LTE Band 41 ULCA Phablet Linearity**

|                                             |                                                                                                                                                                                                        |                                 |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMF711U                          |  <b>SAR EVALUATION REPORT</b>  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2104070032-01.A3L (Rev1) | Test Dates:<br>04/08/21 – 06/03/21                                                                                                                                                                     | DUT Type:<br>Portable Handset   |
| Page 331 of 337                             |                                                                                                                                                                                                        |                                 |

# 15 EQUIPMENT LIST

| Manufacturer          | Model           | Description                                             | Cal Date   | Cal Interval | Cal Due    | Serial Number |
|-----------------------|-----------------|---------------------------------------------------------|------------|--------------|------------|---------------|
| Agilent               | 8594A           | (9kHz-2.9GHz) Spectrum Analyzer                         | CBT        | N/A          | CBT        | 3051A00187    |
| Agilent               | E4438C          | ESG Vector Signal Generator                             | 12/14/2020 | Biennial     | 12/14/2022 | MY42082385    |
| Agilent               | E4438C          | ESG Vector Signal Generator                             | 8/10/2020  | Annual       | 8/10/2021  | MY47270002    |
| Agilent               | E4432B          | ESG-D Series Signal Generator                           | 2/24/2021  | Annual       | 2/24/2022  | US40053896    |
| Agilent               | N5182A          | MXG Vector Signal Generator                             | 12/1/2020  | Annual       | 12/1/2021  | MY47420837    |
| Agilent               | 8753ES          | S-Parameter Network Analyzer                            | 2/2/2021   | Annual       | 2/2/2022   | US39170122    |
| Agilent               | 8753ES          | S-Parameter Vector Network Analyzer                     | 12/15/2020 | Annual       | 12/15/2021 | MY40003841    |
| Agilent               | E5515C          | Wireless Communications Test Set                        | 2/4/2021   | Annual       | 2/4/2022   | GB43193563    |
| Agilent               | E5515C          | Wireless Communications Test Set                        | CBT        | N/A          | CBT        | US41140256    |
| Agilent               | N4010A          | Wireless Connectivity Test Set                          | N/A        | N/A          | N/A        | GB44450273    |
| Agilent               | N4010A          | Wireless Connectivity Test Set                          | N/A        | N/A          | N/A        | GB46170464    |
| Insize                | 1108-150        | Digital Caliper                                         | 1/17/2020  | Biennial     | 1/17/2022  | 409193536     |
| Amplifier Research    | 1551G6          | Amplifier                                               | CBT        | N/A          | CBT        | 353317        |
| Amplifier Research    | 1551G6          | Amplifier                                               | CBT        | N/A          | CBT        | 433978        |
| Anritsu               | MN8110B         | I/O Adaptor                                             | CBT        | N/A          | CBT        | 6261747881    |
| Anritsu               | ML2495A         | Power Meter                                             | 1/18/2021  | Annual       | 1/18/2022  | 941001        |
| Anritsu               | ML2496A         | Power Meter                                             | 3/3/2021   | Annual       | 3/3/2022   | 1306009       |
| Anritsu               | MA2411B         | Pulse Power Sensor                                      | 12/18/2020 | Annual       | 12/18/2021 | 1126066       |
| Anritsu               | MA2411B         | Pulse Power Sensor                                      | 7/28/2020  | Annual       | 7/28/2021  | 1339018       |
| Anritsu               | MT8821C         | Radio Communication Analyzer                            | 4/16/2021  | Annual       | 4/16/2022  | 6200901190    |
| Anritsu               | MT8821C         | Radio Communication Analyzer                            | 7/3/2020   | Annual       | 7/3/2021   | 6262150047    |
| Anritsu               | MT8821C         | Radio Communication Analyzer                            | 3/2/2021   | Annual       | 3/2/2022   | 6262044715    |
| Anritsu               | MT8821C         | Radio Communication Analyzer                            | 9/11/2020  | Annual       | 9/11/2021  | 6201524637    |
| Anritsu               | MA24106A        | USB Power Sensor                                        | 7/24/2020  | Annual       | 7/24/2021  | 1231535       |
| Anritsu               | MA24106A        | USB Power Sensor                                        | 10/19/2020 | Annual       | 10/19/2021 | 1344545       |
| Anritsu               | MA24106A        | USB Power Sensor                                        | 9/15/2020  | Annual       | 9/15/2021  | 1520505       |
| Anritsu               | MT8862A         | Wireless Connectivity Test Set                          | 10/29/2020 | Annual       | 10/29/2021 | 6261782395    |
| COMTECH               | AR85729-5       | Solid State Amplifier                                   | CBT        | N/A          | CBT        | M155A00-009   |
| COMTECH               | AR85729-5/5759B | Solid State Amplifier                                   | CBT        | N/A          | CBT        | M3W1A00-1002  |
| Control Company       | 4352            | Long Stem Thermometer                                   | 6/26/2019  | Biennial     | 6/26/2021  | 192282739     |
| Control Company       | 4352            | Long Stem Thermometer                                   | 5/16/2020  | Biennial     | 5/16/2022  | 200294567     |
| Control Company       | 4040            | Therm./ Clock/ Humidity Monitor                         | 2/17/2020  | Biennial     | 2/17/2022  | 200113269     |
| Control Company       | 4040            | Therm./Clock/Humidity Monitor                           | 6/29/2019  | Biennial     | 6/29/2021  | 192291470     |
| Keysight              | 772D            | Dual Directional Coupler                                | CBT        | N/A          | CBT        | MY52180215    |
| Keysight Technologies | N9020A          | MXA Signal Analyzer                                     | 2/24/2021  | Annual       | 2/24/2022  | MY48010233    |
| Keysight Technologies | N9020A          | MXA Signal Analyzer                                     | 8/14/2020  | Annual       | 8/14/2021  | US46470561    |
| Keysight Technologies | 85033E          | Standard Mechanical Calibration Kit (DC to 9GHz, 3.5mm) | 9/1/2020   | Annual       | 9/1/2021   | MY53401181    |
| MCL                   | BW-N6W5+        | 6dB Attenuator                                          | CBT        | N/A          | CBT        | 1139          |
| MiniCircuits          | VLF-6000+       | Low Pass Filter                                         | CBT        | N/A          | CBT        | N/A           |
| MiniCircuits          | VLF-6000+       | Low Pass Filter                                         | CBT        | N/A          | CBT        | N/A           |
| MiniCircuits          | SLP-2400+       | Low Pass Filter                                         | CBT        | N/A          | CBT        | R8979500903   |
| Mini-Circuits         | BW-N20W5+       | DC to 18 GHz Precision Fixed 20 dB Attenuator           | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits         | NLP-1200+       | Low Pass Filter DC to 1000 MHz                          | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits         | NLP-2950+       | Low Pass Filter DC to 2700 MHz                          | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits         | BW-N20W5        | Power Attenuator                                        | CBT        | N/A          | CBT        | 1226          |
| Narda                 | 4014C-6         | 4 - 8 GHz SMA 6 dB Directional Coupler                  | CBT        | N/A          | CBT        | N/A           |
| Narda                 | BW-S3W2         | Attenuator (3dB)                                        | CBT        | N/A          | CBT        | 120           |
| Narda                 | 4772-3          | Attenuator (3dB)                                        | CBT        | N/A          | CBT        | 9406          |
| Pasternack            | PE2208-6        | Bidirectional Coupler                                   | CBT        | N/A          | CBT        | N/A           |
| Pasternack            | PE2209-10       | Bidirectional Coupler                                   | CBT        | N/A          | CBT        | N/A           |
| Pasternack            | NC-100          | Torque Wrench                                           | 8/4/2020   | Biennial     | 8/4/2022   | 1445          |
| Pasternack            | NC-100          | Torque Wrench                                           | 8/4/2020   | Biennial     | 8/4/2022   | N/A           |
| Rohde & Schwarz       | CMW500          | Radio Communication Tester                              | 1/19/2021  | Annual       | 1/19/2022  | 111427        |
| Rohde & Schwarz       | CMW500          | Radio Communication Tester                              | 2/18/2021  | Annual       | 2/18/2022  | 101767        |
| Rohde & Schwarz       | ZNLE6           | Vector Network Analyzer                                 | 9/29/2020  | Annual       | 9/29/2021  | 101307        |
| SPEAG                 | D750V3          | 750 MHz SAR Dipole                                      | 3/16/2020  | Biennial     | 3/16/2022  | 1003          |
| SPEAG                 | D750V3          | 750 MHz SAR Dipole                                      | 10/19/2018 | Triennial    | 10/19/2021 | 1161          |
| SPEAG                 | D835V2          | 835 MHz SAR Dipole                                      | 3/13/2019  | Triennial    | 3/13/2022  | 4d047         |
| SPEAG                 | D835V2          | 835 MHz SAR Dipole                                      | 10/19/2018 | Triennial    | 10/19/2021 | 4d133         |
| SPEAG                 | D1750V2         | 1750 MHz SAR Dipole                                     | 5/12/2020  | Biennial     | 5/12/2022  | 1148          |
| SPEAG                 | D1750V2         | 1750 MHz SAR Dipole                                     | 10/22/2018 | Triennial    | 10/22/2021 | 1150          |
| SPEAG                 | D1900V2         | 1900 MHz SAR Dipole                                     | 10/23/2018 | Triennial    | 10/23/2021 | 5d080         |
| SPEAG                 | D1900V2         | 1900 MHz SAR Dipole                                     | 2/21/2019  | Triennial    | 2/21/2022  | 5d148         |

|                                             |                                                                                     |                               |                                                                                       |                                 |
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| Manufacturer | Model   | Description                       | Cal Date   | Cal Interval | Cal Due    | Serial Number |
|--------------|---------|-----------------------------------|------------|--------------|------------|---------------|
| SPEAG        | D2300V2 | 2300 MHz SAR Dipole               | 8/13/2018  | Triennial    | 8/13/2021  | 1073          |
| SPEAG        | D2450V2 | 2450 MHz SAR Dipole               | 8/14/2020  | Annual       | 8/14/2021  | 719           |
| SPEAG        | D2450V2 | 2450 MHz SAR Dipole               | 1/19/2021  | Annual       | 1/19/2022  | 981           |
| SPEAG        | D2600V2 | 2600 MHz SAR Dipole               | 6/14/2019  | Biennial     | 6/14/2021  | 1064          |
| SPEAG        | D2600V2 | 2600 MHz SAR Dipole               | 11/12/2019 | Biennial     | 11/12/2021 | 1071          |
| SPEAG        | D3500V2 | 3500 MHz SAR Dipole               | 1/19/2021  | Annual       | 1/19/2022  | 1059          |
| SPEAG        | D3500V2 | 3500 MHz SAR Dipole               | 1/21/2020  | Biennial     | 1/21/2022  | 1097          |
| SPEAG        | D3700V2 | 3700 MHz SAR Dipole               | 1/19/2021  | Annual       | 1/19/2022  | 1018          |
| SPEAG        | D3700V2 | 3700 MHz SAR Dipole               | 1/21/2020  | Biennial     | 1/21/2022  | 1067          |
| SPEAG        | D3900V2 | 3900 MHz SAR Dipole               | 10/9/2020  | Annual       | 10/9/2021  | 1056          |
| SPEAG        | D5GHZV2 | 5 GHz SAR Dipole                  | 1/20/2021  | Annual       | 1/20/2022  | 1057          |
| SPEAG        | D5GHZV2 | 5 GHz SAR Dipole                  | 9/10/2020  | Annual       | 9/10/2021  | 1191          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 3/18/2021  | Annual       | 3/18/2022  | 1272          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 7/15/2020  | Annual       | 7/15/2021  | 1322          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 10/16/2020 | Annual       | 10/16/2021 | 1333          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 4/7/2021   | Annual       | 4/7/2022   | 1407          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 3/10/2021  | Annual       | 3/10/2022  | 1415          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 9/10/2020  | Annual       | 9/10/2021  | 1449          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 8/11/2020  | Annual       | 8/11/2021  | 1450          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 12/7/2020  | Annual       | 12/7/2021  | 1533          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 1/13/2021  | Annual       | 1/13/2022  | 1558          |
| SPEAG        | DAE4    | Dasy Data Acquisition Electronics | 5/14/2020  | Annual       | 5/14/2021  | 1583          |
| SPEAG        | DAK-3.5 | Dielectric Assessment Kit         | 10/14/2020 | Annual       | 10/14/2021 | 1091          |
| SPEAG        | EX3DV4  | SAR Probe                         | 1/20/2021  | Annual       | 1/20/2022  | 3589          |
| SPEAG        | EX3DV4  | SAR Probe                         | 7/31/2020  | Annual       | 7/31/2021  | 7308          |
| SPEAG        | EX3DV4  | SAR Probe                         | 4/19/2021  | Annual       | 4/19/2022  | 7357          |
| SPEAG        | EX3DV4  | SAR Probe                         | 6/23/2020  | Annual       | 6/23/2021  | 7406          |
| SPEAG        | EX3DV4  | SAR Probe                         | 7/20/2020  | Annual       | 7/20/2021  | 7410          |
| SPEAG        | EX3DV4  | SAR Probe                         | 3/16/2021  | Annual       | 3/16/2022  | 7526          |
| SPEAG        | EX3DV4  | SAR Probe                         | 11/23/2020 | Annual       | 11/23/2021 | 7538          |
| SPEAG        | EX3DV4  | SAR Probe                         | 10/20/2020 | Annual       | 10/20/2021 | 7539          |
| SPEAG        | EX3DV4  | SAR Probe                         | 10/20/2020 | Annual       | 10/20/2021 | 7551          |
| SPEAG        | EX3DV4  | SAR Probe                         | 12/11/2020 | Annual       | 12/11/2021 | 7571          |

Note:

1. CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.
2. Each equipment item is used solely within its respective calibration period.

|                                             |                                                                                                                                                                                                        |                               |                                 |
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## 16 MEASUREMENT UNCERTAINTIES

| a                                                                             | b                    | c             | d              | e=<br>f(d,k) | f                     | g                        | h =<br>c x f/e                 | i =<br>c x g/e                   | k              |
|-------------------------------------------------------------------------------|----------------------|---------------|----------------|--------------|-----------------------|--------------------------|--------------------------------|----------------------------------|----------------|
| Uncertainty Component                                                         | IEEE<br>1528<br>Sec. | Tol.<br>(± %) | Prob.<br>Dist. | Div.         | c <sub>i</sub><br>1gm | c <sub>i</sub><br>10 gms | 1gm<br>u <sub>i</sub><br>(± %) | 10gms<br>u <sub>i</sub><br>(± %) | v <sub>i</sub> |
| <b>Measurement System</b>                                                     |                      |               |                |              |                       |                          |                                |                                  |                |
| Probe Calibration                                                             | E.2.1                | 6.55          | N              | 1            | 1                     | 1                        | 6.6                            | 6.6                              | ∞              |
| Axial Isotropy                                                                | E.2.2                | 0.25          | N              | 1            | 0.7                   | 0.7                      | 0.2                            | 0.2                              | ∞              |
| Hemishperical Isotropy                                                        | E.2.2                | 1.3           | N              | 1            | 0.7                   | 0.7                      | 0.9                            | 0.9                              | ∞              |
| Boundary Effect                                                               | E.2.3                | 2             | R              | 1.732        | 1                     | 1                        | 1.2                            | 1.2                              | ∞              |
| Linearity                                                                     | E.2.4                | 0.3           | N              | 1            | 1                     | 1                        | 0.3                            | 0.3                              | ∞              |
| System Detection Limits                                                       | E.2.4                | 0.25          | R              | 1.732        | 1                     | 1                        | 0.1                            | 0.1                              | ∞              |
| Readout Electronics                                                           | E.2.6                | 0.3           | N              | 1            | 1                     | 1                        | 0.3                            | 0.3                              | ∞              |
| Response Time                                                                 | E.2.7                | 0.8           | R              | 1.732        | 1                     | 1                        | 0.5                            | 0.5                              | ∞              |
| Integration Time                                                              | E.2.8                | 2.6           | R              | 1.732        | 1                     | 1                        | 1.5                            | 1.5                              | ∞              |
| RF Ambient Conditions - Noise                                                 | E.6.1                | 3             | R              | 1.732        | 1                     | 1                        | 1.7                            | 1.7                              | ∞              |
| RF Ambient Conditions - Reflections                                           | E.6.1                | 3             | R              | 1.732        | 1                     | 1                        | 1.7                            | 1.7                              | ∞              |
| Probe Positioner Mechanical Tolerance                                         | E.6.2                | 0.8           | R              | 1.732        | 1                     | 1                        | 0.5                            | 0.5                              | ∞              |
| Probe Positioning w/ respect to Phantom                                       | E.6.3                | 6.7           | R              | 1.732        | 1                     | 1                        | 3.9                            | 3.9                              | ∞              |
| Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation | E.5                  | 4             | R              | 1.732        | 1                     | 1                        | 2.3                            | 2.3                              | ∞              |
| <b>Test Sample Related</b>                                                    |                      |               |                |              |                       |                          |                                |                                  |                |
| Test Sample Positioning                                                       | E.4.2                | 3.12          | N              | 1            | 1                     | 1                        | 3.1                            | 3.1                              | 35             |
| Device Holder Uncertainty                                                     | E.4.1                | 1.67          | N              | 1            | 1                     | 1                        | 1.7                            | 1.7                              | 5              |
| Output Power Variation - SAR drift measurement                                | E.2.9                | 5             | R              | 1.732        | 1                     | 1                        | 2.9                            | 2.9                              | ∞              |
| SAR Scaling                                                                   | E.6.5                | 0             | R              | 1.732        | 1                     | 1                        | 0.0                            | 0.0                              | ∞              |
| <b>Phantom &amp; Tissue Parameters</b>                                        |                      |               |                |              |                       |                          |                                |                                  |                |
| Phantom Uncertainty (Shape & Thickness tolerances)                            | E.3.1                | 7.6           | R              | 1.73         | 1.0                   | 1.0                      | 4.4                            | 4.4                              | ∞              |
| Liquid Conductivity - measurement uncertainty                                 | E.3.3                | 4.3           | N              | 1            | 0.78                  | 0.71                     | 3.3                            | 3.0                              | 76             |
| Liquid Permittivity - measurement uncertainty                                 | E.3.3                | 4.2           | N              | 1            | 0.23                  | 0.26                     | 1.0                            | 1.1                              | 75             |
| Liquid Conductivity - Temperature Uncertainty                                 | E.3.4                | 3.4           | R              | 1.732        | 0.78                  | 0.71                     | 1.5                            | 1.4                              | ∞              |
| Liquid Permittivity - Temperature Unceritainty                                | E.3.4                | 0.6           | R              | 1.732        | 0.23                  | 0.26                     | 0.1                            | 0.1                              | ∞              |
| Liquid Conductivity - deviation from target values                            | E.3.2                | 5.0           | R              | 1.73         | 0.64                  | 0.43                     | 1.8                            | 1.2                              | ∞              |
| Liquid Permittivity - deviation from target values                            | E.3.2                | 5.0           | R              | 1.73         | 0.60                  | 0.49                     | 1.7                            | 1.4                              | ∞              |
| <b>Combined Standard Uncertainty (k=1)</b>                                    |                      |               |                |              |                       |                          | RSS                            | 11.6                             | 11.4           |
| <b>Expanded Uncertainty</b><br>(95% CONFIDENCE LEVEL)                         |                      |               |                |              |                       |                          | k=2                            | 23.2                             | 22.8           |

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 17 CONCLUSION

### 17.1 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Innovation, Science, and Economic Development Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables. [3]

|                                                    |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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