



## SAR EVALUATION REPORT

**Applicant Name:**

Samsung Electronics, Co. Ltd.  
129, Samsung-ro, Yeongtong-gu  
Suwon-si, Gyeonggi-do 16677, Rep. of Korea

**Date of Testing:**

04/27/15 - 07/13/15

**Test Site/Location:**

PCTEST Lab, Columbia, MD, USA

**Document Serial No.:**

0Y1506221321-R1.A3L

**FCC ID:**

**A3LSMT817W**

**APPLICANT:**

**SAMSUNG ELECTRONICS, CO. LTD.**

**DUT Type:**

Portable Tablet

**Application Type:**

Certification

**FCC Rule Part(s):**

CFR §2.1093

**Model(s):**

SM-T817W

| Equipment Class                                   | Band & Mode       | Tx Frequency        | SAR              |
|---------------------------------------------------|-------------------|---------------------|------------------|
|                                                   |                   |                     | 1 gm Body (W/kg) |
| PCB                                               | UMTS 850          | 826.40 - 846.60 MHz | 1.03             |
| PCB                                               | UMTS 1900         | 1852.4 - 1907.6 MHz | 1.09             |
| PCB                                               | LTE Band 12       | 699.7 - 715.3 MHz   | 1.07             |
| PCB                                               | LTE Band 17       | 706.5 - 713.5 MHz   |                  |
| PCB                                               | LTE Band 13       | 779.5 - 784.5 MHz   | 0.99             |
| PCB                                               | LTE Band 5 (Cell) | 824.7 - 848.3 MHz   | 1.04             |
| PCB                                               | LTE Band 4 (AWS)  | 1710.7 - 1754.3 MHz | 1.04             |
| PCB                                               | LTE Band 2 (PCS)  | 1850.7 - 1909.3 MHz | 1.10             |
| DTS                                               | 2.4 GHz WLAN      | 2412 - 2462 MHz     | 1.07             |
| NII                                               | U-NII-1           | 5180 - 5240 MHz     |                  |
| NII                                               | U-NII-2A          | 5260 - 5320 MHz     | 1.01             |
| NII                                               | U-NII-2C          | 5500 - 5720 MHz     | 0.94             |
| NII                                               | U-NII-3           | 5745 - 5825 MHz     | 0.88             |
| DSS/DTS                                           | Bluetooth         | 2402 - 2480 MHz     | 0.11             |
| <b>Simultaneous SAR per KDB 690783 D01v01r03:</b> |                   |                     | <b>1.56</b>      |

Note: This revised Test Report (S/N: 0Y1506221321-R1.A3L) 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 1.7 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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|                                             |                                                                                     |                                     |                                                                                       |                                        |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>0Y1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                           | <b>DUT Type:</b><br>Portable Tablet | Page 1 of 101                                                                         |                                        |

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|                                      |                                                                                     |                              |                                                                                       |                                 |
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# 1 DEVICE UNDER TEST

## 1.1 Device Overview

| Band & Mode       | Operating Modes | Tx Frequency        |
|-------------------|-----------------|---------------------|
| UMTS 850          | Data            | 826.40 - 846.60 MHz |
| UMTS 1900         | Data            | 1852.4 - 1907.6 MHz |
| LTE Band 12       | Data            | 699.7 - 715.3 MHz   |
| LTE Band 17       | Data            | 706.5 - 713.5 MHz   |
| LTE Band 13       | Data            | 779.5 - 784.5 MHz   |
| LTE Band 5 (Cell) | Data            | 824.7 - 848.3 MHz   |
| LTE Band 4 (AWS)  | Data            | 1710.7 - 1754.3 MHz |
| LTE Band 2 (PCS)  | Data            | 1850.7 - 1909.3 MHz |
| 2.4 GHz WLAN      | Data            | 2412 - 2462 MHz     |
| U-NII-1           | Data            | 5180 - 5240 MHz     |
| U-NII-2A          | Data            | 5260 - 5320 MHz     |
| U-NII-2C          | Data            | 5500 - 5720 MHz     |
| U-NII-3           | Data            | 5745 - 5825 MHz     |
| Bluetooth         | Data            | 2402 - 2480 MHz     |
| ANT+              | Data            | 2402 - 2480 MHz     |

## 1.2 Power Reduction for SAR

This device uses independent power reduction mechanisms for WLAN and PCB SAR compliance. The power reduction mechanisms are activated when the device is used in close proximity to the user's body.

Since the device is a full sized tablet, the Body SAR was evaluated per FCC KDB Publication 616217 D04 for full sized tablets.

## 1.3 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 D01v05.

### Main Antenna Maximum Power

| Mode / Band            |         | Modulated Average (dBm) |               |               |                  |
|------------------------|---------|-------------------------|---------------|---------------|------------------|
|                        |         | 3GPP<br>RMC             | 3GPP<br>HSDPA | 3GPP<br>HSUPA | 3GPP<br>DC-HSDPA |
|                        |         | Rel 99                  | Rel 5         | Rel 6         | Rel 8            |
| UMTS Band 5 (850 MHz)  | Maximum | 23.5                    | 23.5          | 23.5          | 23.5             |
|                        | Nominal | 23.0                    | 23.0          | 23.0          | 23.0             |
| UMTS Band 2 (1900 MHz) | Maximum | 22.5                    | 22.5          | 22.5          | 22.5             |
|                        | Nominal | 22.0                    | 22.0          | 22.0          | 22.0             |

| Mode / Band       |         | Modulated Average<br>(dBm) |
|-------------------|---------|----------------------------|
| LTE Band 12       | Maximum | 23.5                       |
|                   | Nominal | 23.0                       |
| LTE Band 17       | Maximum | 23.5                       |
|                   | Nominal | 23.0                       |
| LTE Band 13       | Maximum | 23.5                       |
|                   | Nominal | 23.0                       |
| LTE Band 5 (Cell) | Maximum | 23.5                       |
|                   | Nominal | 23.0                       |
| LTE Band 4 (AWS)  | Maximum | 23.5                       |
|                   | Nominal | 23.0                       |
| LTE Band 2 (PCS)  | Maximum | 23.5                       |
|                   | Nominal | 23.0                       |

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
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### Main Antenna Reduced Power – Body at 0.0 mm

| Mode / Band            |         | Modulated Average (dBm) |            |            |               |
|------------------------|---------|-------------------------|------------|------------|---------------|
|                        |         | 3GPP RMC                | 3GPP HSDPA | 3GPP HSUPA | 3GPP DC-HSDPA |
|                        |         | Rel 99                  | Rel 5      | Rel 6      | Rel 8         |
|                        |         |                         |            |            |               |
| UMTS Band 5 (850 MHz)  | Maximum | 17.0                    | 17.0       | 17.0       | 17.0          |
|                        | Nominal | 16.5                    | 16.5       | 16.5       | 16.5          |
| UMTS Band 2 (1900 MHz) | Maximum | 15.0                    | 15.0       | 15.0       | 15.0          |
|                        | Nominal | 14.5                    | 14.5       | 14.5       | 14.5          |

| Mode / Band       |         | Modulated Average (dBm) |
|-------------------|---------|-------------------------|
| LTE Band 12       | Maximum | 18.5                    |
|                   | Nominal | 18.0                    |
| LTE Band 17       | Maximum | 18.5                    |
|                   | Nominal | 18.0                    |
| LTE Band 13       | Maximum | 17.5                    |
|                   | Nominal | 17.0                    |
| LTE Band 5 (Cell) | Maximum | 17.5                    |
|                   | Nominal | 17.0                    |
| LTE Band 4 (AWS)  | Maximum | 14.5                    |
|                   | Nominal | 14.0                    |
| LTE Band 2 (PCS)  | Maximum | 15.5                    |
|                   | Nominal | 15.0                    |

### WLAN/BT Maximum Power

| Mode / Band            |         | Modulated Average (dBm) |       |      |
|------------------------|---------|-------------------------|-------|------|
|                        |         | ANT 1                   | ANT 2 | MIMO |
| IEEE 802.11b (2.4 GHz) | Maximum | 17.5                    | 17.5  |      |
|                        | Nominal | 17.0                    | 17.0  |      |
| IEEE 802.11g (2.4 GHz) | Maximum | 15.5                    | 15.5  |      |
|                        | Nominal | 15.0                    | 15.0  |      |
| IEEE 802.11n (2.4 GHz) | Maximum | 14.5                    | 14.5  | 17.5 |
|                        | Nominal | 14.0                    | 14.0  | 17.0 |
| Bluetooth              | Maximum | 10.0                    |       |      |
|                        | Nominal | 9.5                     |       |      |
| Bluetooth LE           | Maximum | 5.5                     |       |      |
|                        | Nominal | 5.0                     |       |      |

| Mode / Band           |         | Modulated Average (dBm) |       |      |                  |       |      |                  |       |      |
|-----------------------|---------|-------------------------|-------|------|------------------|-------|------|------------------|-------|------|
|                       |         | 20 MHz Bandwidth        |       |      | 40 MHz Bandwidth |       |      | 80 MHz Bandwidth |       |      |
|                       |         | ANT 1                   | ANT 2 | MIMO | ANT 1            | ANT 2 | MIMO | ANT 1            | ANT 2 | MIMO |
| IEEE 802.11a (5 GHz)  | Maximum | 13.5                    | 13.5  |      |                  |       |      |                  |       |      |
|                       | Nominal | 13.0                    | 13.0  |      |                  |       |      |                  |       |      |
| IEEE 802.11n (5 GHz)  | Maximum | 13.5                    | 13.5  | 16.5 | 12.5             | 12.5  | 15.5 |                  |       |      |
|                       | Nominal | 13.0                    | 13.0  | 16.0 | 12.0             | 12.0  | 15.0 |                  |       |      |
| IEEE 802.11ac (5 GHz) | Maximum | 13.5                    | 13.5  | 16.5 | 12.5             | 12.5  | 15.5 | 11.5             | 11.5  | 14.5 |
|                       | Nominal | 13.0                    | 13.0  | 16.0 | 12.0             | 12.0  | 15.0 | 11.0             | 11.0  | 14.0 |

|                                      |                                                                                     |                              |  |                                                                                       |                                 |
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### WLAN Reduced Power at 0.0 mm

| Mode / Band            |         | Modulated Average (dBm) |       |      |
|------------------------|---------|-------------------------|-------|------|
|                        |         | ANT 1                   | ANT 2 | MIMO |
| IEEE 802.11b (2.4 GHz) | Maximum | 14.5                    | 12.5  |      |
|                        | Nominal | 14.0                    | 12.0  |      |
| IEEE 802.11g (2.4 GHz) | Maximum | 14.5                    | 12.5  |      |
|                        | Nominal | 14.0                    | 12.0  |      |
| IEEE 802.11n (2.4 GHz) | Maximum | 14.5                    | 12.5  | 16.5 |
|                        | Nominal | 14.0                    | 12.0  | 16.0 |

| Mode / Band           |         | Modulated Average (dBm) |       |      |                  |       |      |                  |       |      |
|-----------------------|---------|-------------------------|-------|------|------------------|-------|------|------------------|-------|------|
|                       |         | 20 MHz Bandwidth        |       |      | 40 MHz Bandwidth |       |      | 80 MHz Bandwidth |       |      |
|                       |         | ANT 1                   | ANT 2 | MIMO | ANT 1            | ANT 2 | MIMO | ANT 1            | ANT 2 | MIMO |
| IEEE 802.11a (5 GHz)  | Maximum | 8.5                     | 7.5   |      |                  |       |      |                  |       |      |
|                       | Nominal | 8.0                     | 7.0   |      |                  |       |      |                  |       |      |
| IEEE 802.11n (5 GHz)  | Maximum | 8.5                     | 7.5   |      | 10.5             | 8.5   | 7.5  | 10.5             |       |      |
|                       | Nominal | 8.0                     | 7.0   |      | 10.0             | 8.0   | 7.0  | 10.0             |       |      |
| IEEE 802.11ac (5 GHz) | Maximum | 8.5                     | 7.5   | 10.5 | 8.5              | 7.5   | 10.5 | 8.5              | 7.5   | 10.5 |
|                       | Nominal | 8.0                     | 7.0   | 10.0 | 8.0              | 7.0   | 10.0 | 8.0              | 7.0   | 10.0 |

## 1.4 DUT Antenna Locations

The overall diagonal dimension of the device is > 200 mm. A diagram showing the locations of the device antennas can be found in Appendix F: Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC filing.

**Table 1-1**  
**Sides for SAR Testing**

| Sides for SAR Testing |      |     |        |       |      |
|-----------------------|------|-----|--------|-------|------|
| Mode                  | Back | Top | Bottom | Right | Left |
| UMTS 850              | Yes  | Yes | No     | Yes   | Yes  |
| UMTS 1900             | Yes  | Yes | No     | Yes   | Yes  |
| LTE Band 12           | Yes  | Yes | No     | Yes   | Yes  |
| LTE Band 13           | Yes  | Yes | No     | Yes   | Yes  |
| LTE Band 5 (Cell)     | Yes  | Yes | No     | Yes   | Yes  |
| LTE Band 4 (AWS)      | Yes  | Yes | No     | Yes   | Yes  |
| LTE Band 2 (PCS)      | Yes  | Yes | No     | Yes   | Yes  |
| 2.4 GHz WLAN          | Yes  | Yes | Yes    | Yes   | Yes  |
| 2.4 GHz Bluetooth     | Yes  | No  | Yes    | Yes   | Yes  |
| 5 GHz                 | Yes  | Yes | Yes    | Yes   | Yes  |

Note:

1. Per FCC KDB 616217 D04v01r01, particular DUT edges were not required to be evaluated for SAR based on the SAR exclusion threshold in KDB 447498 D01v05r01.
2. Per the Manufacturers request top and left edge were tested for WLAN antenna 1, top edge for WLAN antenna 2 and left edge for BT.

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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## 1.5 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D05v01, transmitters are considered to be transmitting simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds. Possible transmission paths for the DUT are shown in Figure 1-1 and are color-coded to indicate communication modes which share the same path. Modes which share the same transmission path cannot transmit simultaneously with one another.



**Figure 1-1**  
**Simultaneous Transmission Paths**

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D01v05 3) procedures.

**Table 1-2**  
**Simultaneous Transmission Scenarios**

| No. | Capable Transmit Configuration | Body |
|-----|--------------------------------|------|
| 1   | UMTS + 2.4 GHz WI-FI           | Yes  |
| 2   | UMTS + 5 GHz WI-FI             | Yes  |
| 3   | UMTS + 2.4 GHz Bluetooth       | Yes  |
| 4   | LTE + 2.4 GHz WI-FI            | Yes  |
| 5   | LTE + 5 GHz WI-FI              | Yes  |
| 6   | LTE + 2.4 GHz Bluetooth        | Yes  |

- 2.4 GHz WLAN, 5 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.
- This device supports 2x2 MIMO Tx for WLAN 802.11n/ac. Each WLAN antenna can transmit independently or together when operating with MIMO.

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
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## 1.6 Miscellaneous SAR Test Considerations

### (A) WIFI

This device supports IEEE 802.11ac with the following features:

- a) Up to 80 MHz Bandwidth only
- b) No aggregate channel configurations
- c) 2 Tx antenna output
- d) 256 QAM is supported
- e) Band gap channels are supported

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 248227 D01v02r01.

### (B) Licensed Transmitter(s)

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 D01v03.

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 D05v02r03.

This device supports both LTE Band 12 and LTE Band 17. Since the supported frequency span for LTE Band 17 falls completely within the supported frequency span for LTE Band 12, LTE Band 17 has the same or lower target power as LTE Band 12, and both LTE bands share the same transmission path, SAR was only assessed for LTE Band 12.

This device supports inter-band LTE Carrier Aggregation (CA) in the downlink only. All uplink communications are identical to Release 8 specifications. Per FCC KDB Publication 941225 D05A v01r01, 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.

|                                      |                                                                                     |                              |                                                                                       |                                 |
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## 1.7 Guidance Applied

- FCC KDB Publication 941225 D01v03, D05v02r03, D05Av01r01 (3G/4G)
- FCC KDB Publication 248227 D01v02r01 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D01v05r02 (General SAR Guidance)
- FCC KDB Publication 865664 D01v01r03, D02v01r01 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 616217 D04v01r01 (Tablet SAR Considerations)

## 1.8 Device Serial Numbers

Several samples were used with identical hardware 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.

|                   | Max Power<br>Serial Number | Reduced Power<br>Serial Number |
|-------------------|----------------------------|--------------------------------|
| UMTS 850          | 8026                       | 6798                           |
| UMTS 1900         | 8026                       | 6798                           |
| LTE Band 12       | 7318                       | 8134                           |
| LTE Band 13       | 0804                       | 0820                           |
| LTE Band 5 (Cell) | 7598                       | 8117                           |
| LTE Band 4 (AWS)  | 7598                       | 6947                           |
| LTE Band 2 (PCS)  | 7598                       | 6947                           |
| 2.4 GHz WLAN      | 6905                       | 7937                           |
| 5 GHz WLAN        | 6905                       | 7937                           |
| Bluetooth         | 6905                       | -                              |

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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## 2

## LTE INFORMATION

| LTE Information                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| FCC ID                                                                                                            | A3LSMT817W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                |
| Form Factor                                                                                                       | Portable Tablet                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |
| Frequency Range of each LTE transmission band                                                                     | LTE Band 12 (699.7 - 715.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |
|                                                                                                                   | LTE Band 17 (706.5 - 713.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |
|                                                                                                                   | LTE Band 13 (779.5 - 784.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |
|                                                                                                                   | LTE Band 5 (Cell) (824.7 - 848.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                |
|                                                                                                                   | LTE Band 4 (AWS) (1710.7 - 1754.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |
| Channel Bandwidths                                                                                                | LTE Band 2 (PCS) (1850.7 - 1909.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |
|                                                                                                                   | LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                |
|                                                                                                                   | LTE Band 17: 5MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                |
|                                                                                                                   | LTE Band 13: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                |
|                                                                                                                   | LTE Band 5 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                |
| Channel Numbers and Frequencies (MHz)                                                                             | LTE Band 4 (AWS): 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                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |
|                                                                                                                   | Low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Mid            | High           |
| 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 17: 5 MHz                                                                                                | 706.5 (23755)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 710 (23790)    | 713.5 (23825)  |
| LTE Band 17: 10 MHz                                                                                               | 709 (23780)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 710 (23790)    | 711 (23800)    |
| 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 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 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 2 (PCS): 1.4 MHz                                                                                         | 1850.7 (18607)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1880 (18900)   | 1909.3 (19193) |
| LTE Band 2 (PCS): 3 MHz                                                                                           | 1851.5 (18615)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1880 (18900)   | 1908.5 (19185) |
| LTE Band 2 (PCS): 5 MHz                                                                                           | 1852.5 (18625)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1880 (18900)   | 1907.5 (19175) |
| LTE Band 2 (PCS): 10 MHz                                                                                          | 1855 (18650)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1880 (18900)   | 1905 (19150)   |
| LTE Band 2 (PCS): 15 MHz                                                                                          | 1857.5 (18675)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1880 (18900)   | 1902.5 (19125) |
| LTE Band 2 (PCS): 20 MHz                                                                                          | 1860 (18700)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1880 (18900)   | 1900 (19100)   |
| UE Category                                                                                                       | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                |
| Modulations Supported in UL                                                                                       | QPSK, 16QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |
| LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3-6.2.5? (manufacturer attestation to be provided) | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |
| A-MPR (Additional MPR) disabled for                                                                               | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |
| LTE Carrier Aggregation Possible Combinations                                                                     | Please see next page for LTE Carrier Aggregation Possible Combinations.                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |
| LTE Carrier Aggregation Additional Information                                                                    | This device does not support full CA features on 3GPP Release 10. It supports a maximum of 2 carriers in the downlink. All uplink communications are identical to the Release 8 Specifications. Uplink communications are done on the PCC. Due to carrier capability, only the combinations listed above are supported. The following LTE Release 10 Features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA. |                |                |

|                                      |                                                                                     |                              |                                                                                       |                                 |
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| <b>LTE B17 (PCC) + LTE B2 (SCC)</b> | <b>B4 (PCC) + B12 (SCC)</b> | <b>B4 (PCC) + B17 (SCC)</b> | <b>B4 (PCC) + B29 (SCC)</b> |
|-------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| 5MHz (B17) + 5MHz (B2)              | 1.4MHz (B4) + 3MHz (B12)    | 5MHz (B4) + 5MHz (B17)      | 5MHz (B4) + 3MHz (B29)      |
| 5MHz (B17) + 10MHz (B2)             | 1.4MHz (B4) + 5MHz (B12)    | 5MHz (B4) + 10MHz (B17)     | 5MHz (B4) + 5MHz (B29)      |
| 5MHz (B17) + 15MHz (B2)             | 3MHz (B4) + 3MHz (B12)      | 10MHz (B4) + 5MHz (B17)     | 5MHz (B4) + 10MHz (B29)     |
| 5MHz (B17) + 20MHz (B2)             | 3MHz (B4) + 5MHz (B12)      | 10MHz (B4) + 10MHz (B17)    | 10MHz (B4) + 3MHz (B29)     |
| 10MHz (B17) + 5MHz (B2)             | 5MHz (B4) + 3MHz (B12)      | 15MHz (B4) + 5MHz (B17)     | 10MHz (B4) + 5MHz (B29)     |
| 10MHz (B17) + 10MHz (B2)            | 5MHz (B4) + 5MHz (B12)      | 15MHz (B4) + 10MHz (B17)    | 10MHz (B4) + 10MHz (B29)    |
| 10MHz (B17) + 15MHz (B2)            | 10MHz (B4) + 3MHz (B12)     | 20MHz (B4) + 5MHz (B17)     | 15MHz (B4) + 3MHz (B29)     |
| 10MHz (B17) + 20MHz (B2)            | 10MHz (B4) + 5MHz (B12)     | 20MHz (B4) + 10MHz (B17)    | 15MHz (B4) + 5MHz (B29)     |
|                                     | 15MHz (B4) + 3MHz (B12)     |                             | 15MHz (B4) + 10MHz (B29)    |
|                                     | 15MHz (B4) + 5MHz (B12)     |                             | 20MHz (B4) + 3MHz (B29)     |
|                                     | 20MHz (B4) + 3MHz (B12)     |                             | 20MHz (B4) + 5MHz (B29)     |
|                                     | 20MHz (B4) + 5MHz (B12)     |                             | 20MHz (B4) + 10MHz (B29)    |
| <b>B4 (PCC) + B2 (SCC)</b>          | <b>B2 (PCC) + B17 (SCC)</b> | <b>B2 (PCC) + B29 (SCC)</b> | <b>B2 (PCC) + B4 (SCC)</b>  |
| 5MHz (B4) + 1.4MHz (B2)             | 5MHz (B2) + 5MHz (B17)      | 5MHz (B2) + 3MHz (B29)      | 1.4MHz (B2) + 5MHz (B4)     |
| 5MHz (B4) + 3MHz (B2)               | 5MHz (B2) + 10MHz (B17)     | 5MHz (B2) + 5MHz (B29)      | 1.4MHz (B2) + 10MHz (B4)    |
| 5MHz (B4) + 5MHz (B2)               | 10MHz (B2) + 5MHz (B17)     | 5MHz (B2) + 10MHz (B29)     | 1.4MHz (B2) + 15MHz (B4)    |
| 5MHz (B4) + 10MHz (B2)              | 10MHz (B2) + 10MHz (B17)    | 10MHz (B2) + 3MHz (B29)     | 1.4MHz (B2) + 20MHz (B4)    |
| 5MHz (B4) + 15MHz (B2)              | 15MHz (B2) + 5MHz (B17)     | 10MHz (B2) + 5MHz (B29)     | 3MHz (B2) + 5MHz (B4)       |
| 5MHz (B4) + 20MHz (B2)              | 15MHz (B2) + 10MHz (B17)    | 10MHz (B2) + 10MHz (B29)    | 3MHz (B2) + 10MHz (B4)      |
| 10MHz (B4) + 1.4MHz (B2)            | 20MHz (B2) + 5MHz (B17)     | 15MHz (B2) + 3MHz (B29)     | 3MHz (B2) + 15MHz (B4)      |
| 10MHz (B4) + 3MHz (B2)              | 20MHz (B2) + 10MHz (B17)    | 15MHz (B2) + 5MHz (B29)     | 3MHz (B2) + 20MHz (B4)      |
| 10MHz (B4) + 5MHz (B2)              |                             | 15MHz (B2) + 10MHz (B29)    | 5MHz (B2) + 5MHz (B4)       |
| 10MHz (B4) + 10MHz (B2)             |                             | 20MHz (B2) + 3MHz (B29)     | 5MHz (B2) + 10MHz (B4)      |
| 10MHz (B4) + 15MHz (B2)             |                             | 20MHz (B2) + 5MHz (B29)     | 5MHz (B2) + 15MHz (B4)      |
| 10MHz (B4) + 20MHz (B2)             |                             | 20MHz (B2) + 10MHz (B29)    | 5MHz (B2) + 20MHz (B4)      |
| 15MHz (B4) + 1.4MHz (B2)            |                             |                             | 10MHz (B2) + 5MHz (B4)      |
| 15MHz (B4) + 3MHz (B2)              |                             |                             | 10MHz (B2) + 10MHz (B4)     |
| 15MHz (B4) + 5MHz (B2)              |                             |                             | 10MHz (B2) + 15MHz (B4)     |
| 15MHz (B4) + 10MHz (B2)             |                             |                             | 10MHz (B2) + 20MHz (B4)     |
| 15MHz (B4) + 15MHz (B2)             |                             |                             | 15MHz (B2) + 5MHz (B4)      |
| 15MHz (B4) + 20MHz (B2)             |                             |                             | 15MHz (B2) + 10MHz (B4)     |
| 20MHz (B4) + 1.4MHz (B2)            |                             |                             | 15MHz (B2) + 15MHz (B4)     |
| 20MHz (B4) + 3MHz (B2)              |                             |                             | 15MHz (B2) + 20MHz (B4)     |
| 20MHz (B4) + 5MHz (B2)              |                             |                             | 20MHz (B2) + 5MHz (B4)      |
| 20MHz (B4) + 10MHz (B2)             |                             |                             | 20MHz (B2) + 10MHz (B4)     |
| 20MHz (B4) + 15MHz (B2)             |                             |                             | 20MHz (B2) + 15MHz (B4)     |
| 20MHz (B4) + 20MHz (B2)             |                             |                             | 20MHz (B2) + 20MHz (B4)     |

|                                             |                                                                                     |                                     |                                                                                       |                                        |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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The FCC and Industry 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 ( $\rho$ ). 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:

- $\sigma$  = conductivity of the tissue-simulating material (S/m)
- $\rho$  = 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]

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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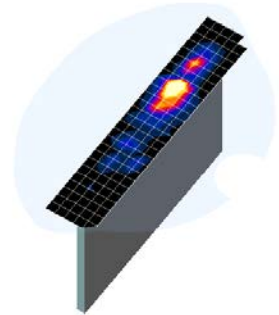
## 4

## DOSIMETRIC ASSESSMENT

### 4.1 Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01 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 D01v01 (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 D01v01 (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 D01v01\*

| 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                   |                                     |                                          |
|           |                                                                                           |                                                                                           | $\Delta z_{\text{zoom}}(n)$               | $\Delta z_{\text{zoom}}(1)^*$ | $\Delta z_{\text{zoom}}(n-1)^*$     |                                          |
| ≤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 SAR TESTING PROCEDURES

### 5.1 SAR Testing for Tablet per KDB Publication 616217 D04v01

This device can be used also in full sized tablet exposure conditions, due to its size. Per FCC KDB 616217, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in KDB 447498 D01v05 can be applied to determine SAR test exclusion for adjacent edge configurations. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

### 5.2 Proximity Sensor Considerations

This device uses independent proximity sensors to reduce data powers in tablet-device use conditions for both PCB and WLAN operations.

While the device's antenna is within a certain distance of the user, the sensor activates and reduces the maximum output power allowed. 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, an additional exposure condition is needed in the vicinity of the triggering distance to ensure SAR is compliant when the device is allowed to operate at a non-reduced output power level.

FCC KDB 616217 D04 Section 6 was used as a guideline for selecting SAR test distances for this device at these additional exposure conditions. Since the sensor activation distance for the back side and top edge of the device is 25 mm, a conservative distance of 24 mm was tested for SAR on the back side and top edge at maximum power for UMTS and LTE. Since the sensor activation distance for the back side of the device is 5 mm, a conservative distance of 4 mm was tested for SAR on the back side at maximum power for WLAN. Sensor triggering distance summary data is included in Appendix G. The sensor does not trigger power reduction from the front of the device.

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 antenna.

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
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## 6 RF EXPOSURE LIMITS

### 6.1 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.

### 6.2 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 6-1**  
**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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## 7 FCC MEASUREMENT PROCEDURES

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

### 7.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D01v05, 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 D01v01r02.

### 7.2 3G SAR Test Reduction Procedure

In FCC KDB Publication 941225 D01v03, 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.

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

The following procedures are according to FCC KDB Publication 941225 D01v03 "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.

### 7.4 SAR Measurement Conditions for UMTS

#### 7.4.1 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.

|                                      |                                                                                     |                              |                                                                                       |                                 |
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## 7.4.2 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.

## 7.4.3 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.

## 7.4.4 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.

## 7.4.5 SAR Measurement Conditions for DC-HSDPA

SAR test exclusion for DC-HSDPA devices is determined by power measurements according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to qualify for SAR test exclusion. DC-HSDPA uplink maximum output power measurements using the four Rel. 5 HSDPA subtests in Table C.10.1.4 of TS 234.121-1 is required.

When the maximum average output power of each RF channel with DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than that measured using 12.2 kbps RMC, or the maximum reported SAR for 12.2 kbps RMC is  $\leq 75\%$  of the SAR limit, SAR evaluation for DC-HSDPA is not required.

## 7.5 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r03 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).

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
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| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 16 of 101                         |

### 7.5.1 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.

### 7.5.2 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.

### 7.5.3 A-MPR

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

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

According to FCC KDB 941225 D05v02r03:

- 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.

### 7.5.5 Downlink Carrier Aggregation

LTE Carrier Aggregation (CA) measurements are made in accordance to 3GPP TS 36.521-1 V10.4.0 (2012-12). 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 the Secondary component carrier (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to release 8 specifications on the PCC. Additional output powers are measured using two carriers in the downlink for the release 8 configurations with the highest output power among all channels, RB configurations and bandwidths for each uplink band. Per FCC KDB Publication 941225 D05A v01r01, no SAR measurements are required when the average output power with downlink carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink carrier aggregation inactive.

|                                      |                                                                                     |                              |                                                                                       |                                 |
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## 7.6 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 D01v02r01 for more details.

### 7.6.1 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.

### 7.6.2 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.

### 7.6.3 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. When band gap channels are disabled, each band is tested independently according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

### 7.6.4 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.

|                                      |                                                                                     |                              |                                                                                       |                                 |
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- 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.

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

For the 2.4 GHz and 5 GHz bands, 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.

### 7.6.6 Initial Test Configuration Procedure

For OFDM, in both 2.4 and 5 GHz bands, 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, and lowest data rate. 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 7.6.5).

### 7.6.7 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.

### 7.6.8 MIMO SAR considerations

Per KDB 248227 D01v02r01, the simultaneous SAR provisions in KDB Publication 447498 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.

|                                      |                                                                                     |                              |                                                                                       |                                 |
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## 8.1 UMTS Conducted Powers

**Table 8-1**  
**Maximum Average RF Output Powers**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | Cellular Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|---------------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 4132                | 4183  | 4233  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 22.76               | 22.68 | 22.63 | 22.17          | 22.05 | 22.01 | -             |
| 5                    | HSDPA    | Subtest 1           | 23.20               | 23.10 | 22.47 | 21.79          | 22.20 | 22.10 | 0             |
| 5                    |          | Subtest 2           | 23.19               | 22.92 | 22.37 | 21.62          | 22.08 | 21.93 | 0             |
| 5                    |          | Subtest 3           | 22.62               | 22.58 | 22.04 | 21.48          | 21.83 | 21.63 | 0.5           |
| 5                    |          | Subtest 4           | 22.37               | 22.32 | 21.79 | 21.48          | 21.83 | 21.67 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 22.87               | 22.82 | 22.26 | 20.87          | 21.20 | 21.11 | 0             |
| 6                    |          | Subtest 2           | 21.95               | 21.82 | 21.41 | 20.52          | 20.94 | 20.82 | 2             |
| 6                    |          | Subtest 3           | 22.61               | 22.55 | 22.05 | 20.80          | 21.15 | 21.04 | 1             |
| 6                    |          | Subtest 4           | 21.79               | 21.72 | 21.46 | 19.79          | 20.19 | 20.01 | 2             |
| 6                    | DC-HSDPA | Subtest 5           | 22.61               | 22.55 | 21.86 | 20.69          | 20.92 | 20.88 | 0             |
| 8                    |          | Subtest 1           | 22.84               | 22.87 | 22.32 | 21.75          | 22.08 | 22.06 | 0             |
| 8                    |          | Subtest 2           | 22.98               | 22.92 | 22.37 | 21.72          | 21.94 | 21.93 | 0             |
| 8                    |          | Subtest 3           | 23.02               | 23.04 | 21.95 | 21.75          | 22.01 | 21.65 | 0.5           |
| 8                    |          | Subtest 4           | 22.31               | 22.15 | 21.64 | 21.93          | 22.05 | 21.64 | 0.5           |

**Table 8-2**  
**Reduced Average RF Output Powers – Body at 0.0 cm**

| 3GPP Release Version | Mode     | 3GPP 34.121 Subtest | Cellular Band [dBm] |       |       | PCS Band [dBm] |       |       | 3GPP MPR [dB] |
|----------------------|----------|---------------------|---------------------|-------|-------|----------------|-------|-------|---------------|
|                      |          |                     | 4132                | 4183  | 4233  | 9262           | 9400  | 9538  |               |
| 99                   | WCDMA    | 12.2 kbps RMC       | 16.96               | 16.94 | 16.84 | 14.68          | 14.88 | 14.96 | -             |
| 5                    | HSDPA    | Subtest 1           | 16.88               | 16.83 | 17.00 | 14.81          | 15.00 | 14.91 | 0             |
| 5                    |          | Subtest 2           | 16.73               | 16.70 | 16.90 | 14.71          | 14.96 | 15.00 | 0             |
| 5                    |          | Subtest 3           | 16.85               | 16.64 | 16.85 | 14.72          | 14.97 | 14.93 | 0.5           |
| 5                    |          | Subtest 4           | 16.83               | 16.70 | 16.91 | 14.59          | 14.96 | 14.92 | 0.5           |
| 6                    | HSUPA    | Subtest 1           | 15.62               | 15.51 | 15.63 | 14.01          | 14.21 | 14.07 | 0             |
| 6                    |          | Subtest 2           | 16.77               | 16.59 | 16.78 | 14.52          | 14.92 | 14.87 | 2             |
| 6                    |          | Subtest 3           | 16.19               | 16.05 | 16.24 | 14.67          | 15.00 | 14.97 | 1             |
| 6                    |          | Subtest 4           | 16.72               | 16.53 | 16.75 | 14.55          | 14.93 | 14.82 | 2             |
| 6                    | DC-HSDPA | Subtest 5           | 15.65               | 15.54 | 15.69 | 14.62          | 14.96 | 14.93 | 0             |
| 8                    |          | Subtest 1           | 16.61               | 16.46 | 16.39 | 15.00          | 14.88 | 14.51 | 0             |
| 8                    |          | Subtest 2           | 16.73               | 16.46 | 16.43 | 15.00          | 14.76 | 14.37 | 0             |
| 8                    |          | Subtest 3           | 16.75               | 16.50 | 16.42 | 14.48          | 14.71 | 14.36 | 0.5           |
| 8                    |          | Subtest 4           | 16.73               | 16.45 | 16.42 | 14.49          | 14.73 | 14.33 | 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 1 dB more than specified by 3GPP, but also as low as 0 dB according to the chipset implementation in this model.



**Figure 8-1**  
**Power Measurement Setup**

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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## 8.2 LTE Conducted Powers

### 8.2.1 LTE Band 12

Table 8-3  
LTE Band 12 Conducted Powers - 10 MHz Bandwidth

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 707.5           | 23095   | 10              | QPSK       | 1       | 0         | 23.30                 | 0                         | 0        |
|     | 707.5           | 23095   | 10              | QPSK       | 1       | 25        | 23.33                 | 0                         | 0        |
|     | 707.5           | 23095   | 10              | QPSK       | 1       | 49        | 23.26                 | 0                         | 0        |
|     | 707.5           | 23095   | 10              | QPSK       | 25      | 0         | 22.04                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | QPSK       | 25      | 12        | 21.92                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | QPSK       | 25      | 25        | 21.85                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | QPSK       | 50      | 0         | 21.99                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | 16QAM      | 1       | 0         | 22.30                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | 16QAM      | 1       | 25        | 22.45                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | 16QAM      | 1       | 49        | 22.33                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | 16QAM      | 25      | 0         | 21.00                 | 0-2                       | 2        |
|     | 707.5           | 23095   | 10              | 16QAM      | 25      | 12        | 20.89                 | 0-2                       | 2        |
|     | 707.5           | 23095   | 10              | 16QAM      | 25      | 25        | 20.91                 | 0-2                       | 2        |
|     | 707.5           | 23095   | 10              | 16QAM      | 50      | 0         | 20.96                 | 0-2                       | 2        |

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.

Table 8-4  
LTE Band 12 Conducted Powers - 5 MHz Bandwidth

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 701.5           | 23035   | 5               | QPSK       | 1       | 0         | 23.48                 | 0                         | 0        |
|      | 701.5           | 23035   | 5               | QPSK       | 1       | 12        | 23.50                 | 0                         | 0        |
|      | 701.5           | 23035   | 5               | QPSK       | 1       | 24        | 23.48                 | 0                         | 0        |
|      | 701.5           | 23035   | 5               | QPSK       | 12      | 0         | 22.17                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | QPSK       | 12      | 6         | 22.18                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | QPSK       | 12      | 13        | 22.19                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | QPSK       | 25      | 0         | 22.13                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 1       | 0         | 22.42                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 1       | 12        | 22.40                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 1       | 24        | 22.44                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 12      | 0         | 21.06                 | 0-2                       | 2        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 12      | 6         | 21.11                 | 0-2                       | 2        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 12      | 13        | 21.10                 | 0-2                       | 2        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 25      | 0         | 21.14                 | 0-2                       | 2        |
| Mid  | 707.5           | 23095   | 5               | QPSK       | 1       | 0         | 23.08                 | 0                         | 0        |
|      | 707.5           | 23095   | 5               | QPSK       | 1       | 12        | 23.04                 | 0                         | 0        |
|      | 707.5           | 23095   | 5               | QPSK       | 1       | 24        | 23.03                 | 0                         | 0        |
|      | 707.5           | 23095   | 5               | QPSK       | 12      | 0         | 21.98                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | QPSK       | 12      | 6         | 21.93                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | QPSK       | 12      | 13        | 21.88                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | QPSK       | 25      | 0         | 21.91                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 1       | 0         | 22.24                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 1       | 12        | 22.26                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 1       | 24        | 22.31                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 12      | 0         | 20.89                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 12      | 6         | 20.85                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 12      | 13        | 20.89                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 25      | 0         | 20.92                 | 0-2                       | 2        |
| High | 713.5           | 23155   | 5               | QPSK       | 1       | 0         | 23.38                 | 0                         | 0        |
|      | 713.5           | 23155   | 5               | QPSK       | 1       | 12        | 23.21                 | 0                         | 0        |
|      | 713.5           | 23155   | 5               | QPSK       | 1       | 24        | 23.31                 | 0                         | 0        |
|      | 713.5           | 23155   | 5               | QPSK       | 12      | 0         | 21.96                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | QPSK       | 12      | 6         | 21.84                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | QPSK       | 12      | 13        | 21.89                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | QPSK       | 25      | 0         | 21.90                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 1       | 0         | 22.38                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 1       | 12        | 22.37                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 1       | 24        | 22.34                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 12      | 0         | 20.84                 | 0-2                       | 2        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 12      | 6         | 20.81                 | 0-2                       | 2        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 12      | 13        | 20.77                 | 0-2                       | 2        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 25      | 0         | 20.79                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 21 of 101                  |

**Table 8-5**  
**LTE Band 12 Conducted Powers - 3 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 700.5           | 23025   | 3               | QPSK       | 1       | 0         | 23.49                 | 0                         | 0        |
|      | 700.5           | 23025   | 3               | QPSK       | 1       | 7         | 23.48                 | 0                         | 0        |
|      | 700.5           | 23025   | 3               | QPSK       | 1       | 14        | 23.50                 | 0                         | 0        |
|      | 700.5           | 23025   | 3               | QPSK       | 8       | 0         | 22.11                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | QPSK       | 8       | 4         | 22.20                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | QPSK       | 8       | 7         | 22.21                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | QPSK       | 15      | 0         | 22.11                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 1       | 0         | 22.47                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 1       | 7         | 22.49                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 1       | 14        | 22.50                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 8       | 0         | 21.10                 | 0-2                       | 2        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 8       | 4         | 21.16                 | 0-2                       | 2        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 8       | 7         | 21.14                 | 0-2                       | 2        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 15      | 0         | 20.98                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 3               | QPSK       | 1       | 0         | 23.32                 | 0                         | 0        |
| Mid  | 707.5           | 23095   | 3               | QPSK       | 1       | 7         | 23.26                 | 0                         | 0        |
|      | 707.5           | 23095   | 3               | QPSK       | 1       | 14        | 23.30                 | 0                         | 0        |
|      | 707.5           | 23095   | 3               | QPSK       | 8       | 0         | 21.95                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | QPSK       | 8       | 4         | 21.89                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | QPSK       | 8       | 7         | 21.86                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | QPSK       | 15      | 0         | 21.97                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 1       | 0         | 22.18                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 1       | 7         | 22.08                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 1       | 14        | 22.06                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 8       | 0         | 20.90                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 8       | 4         | 20.87                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 8       | 7         | 20.83                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 15      | 0         | 20.97                 | 0-2                       | 2        |
|      | 714.5           | 23165   | 3               | QPSK       | 1       | 0         | 23.35                 | 0                         | 0        |
|      | 714.5           | 23165   | 3               | QPSK       | 1       | 7         | 23.35                 | 0                         | 0        |
| High | 714.5           | 23165   | 3               | QPSK       | 1       | 14        | 23.22                 | 0                         | 0        |
|      | 714.5           | 23165   | 3               | QPSK       | 8       | 0         | 21.76                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | QPSK       | 8       | 4         | 21.85                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | QPSK       | 8       | 7         | 21.83                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | QPSK       | 15      | 0         | 21.84                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 1       | 0         | 22.28                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 1       | 7         | 22.29                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 1       | 14        | 22.33                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 8       | 0         | 20.61                 | 0-2                       | 2        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 8       | 4         | 20.70                 | 0-2                       | 2        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 8       | 7         | 20.65                 | 0-2                       | 2        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 15      | 0         | 20.71                 | 0-2                       | 2        |

**Table 8-6**  
**LTE Band 12 Conducted Powers - 1.4 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 699.7           | 23017   | 1.4             | QPSK       | 1       | 0         | 23.48                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 1       | 2         | 23.47                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 1       | 5         | 23.50                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 3       | 0         | 23.31                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 3       | 2         | 23.34                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 3       | 3         | 23.38                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 6       | 0         | 22.18                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 1       | 0         | 22.49                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 1       | 2         | 22.50                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 1       | 5         | 22.49                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 3       | 0         | 22.06                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 3       | 2         | 22.21                 | 0-1                       | 1        |
| Mid  | 699.7           | 23017   | 1.4             | 16-QAM     | 3       | 3         | 22.13                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 6       | 0         | 21.12                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 1       | 0         | 23.23                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 1       | 2         | 23.24                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 1       | 5         | 23.30                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 3       | 0         | 23.10                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 3       | 2         | 23.08                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 3       | 3         | 22.99                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 6       | 0         | 21.98                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 1       | 0         | 22.25                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 1       | 2         | 22.24                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 1       | 5         | 22.27                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 3       | 0         | 22.05                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 3       | 2         | 22.01                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 3       | 3         | 22.03                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 6       | 0         | 20.80                 | 0-2                       | 2        |
| High | 715.3           | 23173   | 1.4             | QPSK       | 1       | 0         | 23.28                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 1       | 2         | 23.26                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 1       | 5         | 23.22                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 3       | 0         | 23.06                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 3       | 2         | 23.04                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 3       | 3         | 22.98                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 6       | 0         | 21.93                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 1       | 0         | 22.36                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 1       | 2         | 22.40                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 1       | 5         | 22.39                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 3       | 0         | 22.18                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 3       | 2         | 22.10                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 3       | 3         | 22.00                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 6       | 0         | 20.71                 | 0-2                       | 2        |

**Table 8-7**  
**LTE Band 12 Conducted Powers - 10 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 707.5           | 23095   | 10              | QPSK       | 1       | 0         | 17.61                 | 0                         | 0        |
|     | 707.5           | 23095   | 10              | QPSK       | 1       | 25        | 17.60                 | 0                         | 0        |
|     | 707.5           | 23095   | 10              | QPSK       | 1       | 49        | 17.65                 | 0                         | 0        |
|     | 707.5           | 23095   | 10              | QPSK       | 25      | 0         | 16.38                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | QPSK       | 25      | 12        | 16.45                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | QPSK       | 25      | 25        | 16.34                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | QPSK       | 50      | 0         | 16.36                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | 16QAM      | 1       | 0         | 16.77                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | 16QAM      | 1       | 25        | 16.71                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | 16QAM      | 1       | 49        | 16.75                 | 0-1                       | 1        |
|     | 707.5           | 23095   | 10              | 16QAM      | 25      | 0         | 15.34                 | 0-2                       | 2        |
|     | 707.5           | 23095   | 10              | 16QAM      | 25      | 12        | 15.42                 | 0-2                       | 2        |
|     | 707.5           | 23095   | 10              | 16QAM      | 25      | 25        | 15.40                 | 0-2                       | 2        |
|     | 707.5           | 23095   | 10              | 16QAM      | 50      | 0         | 15.45                 | 0-2                       | 2        |

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.

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 23 of 101                  |

**Table 8-8**  
**LTE Band 12 Conducted Powers - 5 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 701.5           | 23035   | 5               | QPSK       | 1       | 0         | 17.77                 | 0                         | 0        |
|      | 701.5           | 23035   | 5               | QPSK       | 1       | 12        | 17.64                 | 0                         | 0        |
|      | 701.5           | 23035   | 5               | QPSK       | 1       | 24        | 17.74                 | 0                         | 0        |
|      | 701.5           | 23035   | 5               | QPSK       | 12      | 0         | 16.64                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | QPSK       | 12      | 6         | 16.64                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | QPSK       | 12      | 13        | 16.69                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | QPSK       | 25      | 0         | 16.63                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 1       | 0         | 16.81                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 1       | 12        | 16.86                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 1       | 24        | 16.86                 | 0-1                       | 1        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 12      | 0         | 15.50                 | 0-2                       | 2        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 12      | 6         | 15.52                 | 0-2                       | 2        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 12      | 13        | 15.55                 | 0-2                       | 2        |
|      | 701.5           | 23035   | 5               | 16-QAM     | 25      | 0         | 15.61                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 5               | QPSK       | 1       | 0         | 17.70                 | 0                         | 0        |
|      | 707.5           | 23095   | 5               | QPSK       | 1       | 12        | 17.62                 | 0                         | 0        |
| Mid  | 707.5           | 23095   | 5               | QPSK       | 1       | 24        | 17.71                 | 0                         | 0        |
|      | 707.5           | 23095   | 5               | QPSK       | 12      | 0         | 16.37                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | QPSK       | 12      | 6         | 16.35                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | QPSK       | 12      | 13        | 16.36                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | QPSK       | 25      | 0         | 16.33                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 1       | 0         | 16.71                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 1       | 12        | 16.63                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 1       | 24        | 16.61                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 12      | 0         | 15.36                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 12      | 6         | 15.34                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 12      | 13        | 15.38                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 5               | 16-QAM     | 25      | 0         | 15.48                 | 0-2                       | 2        |
|      | 713.5           | 23155   | 5               | QPSK       | 1       | 0         | 17.77                 | 0                         | 0        |
|      | 713.5           | 23155   | 5               | QPSK       | 1       | 12        | 17.64                 | 0                         | 0        |
|      | 713.5           | 23155   | 5               | QPSK       | 1       | 24        | 17.73                 | 0                         | 0        |
|      | 713.5           | 23155   | 5               | QPSK       | 12      | 0         | 16.63                 | 0-1                       | 1        |
| High | 713.5           | 23155   | 5               | QPSK       | 12      | 6         | 16.54                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | QPSK       | 12      | 13        | 16.68                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | QPSK       | 25      | 0         | 16.52                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 1       | 0         | 16.82                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 1       | 12        | 16.86                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 1       | 24        | 16.85                 | 0-1                       | 1        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 12      | 0         | 15.50                 | 0-2                       | 2        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 12      | 6         | 15.51                 | 0-2                       | 2        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 12      | 13        | 15.55                 | 0-2                       | 2        |
|      | 713.5           | 23155   | 5               | 16-QAM     | 25      | 0         | 15.61                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 24 of 101                  |

**Table 8-9**  
**LTE Band 12 Conducted Powers - 3 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 700.5           | 23025   | 3               | QPSK       | 1       | 0         | 18.04                 | 0                         | 0        |
|      | 700.5           | 23025   | 3               | QPSK       | 1       | 7         | 17.93                 | 0                         | 0        |
|      | 700.5           | 23025   | 3               | QPSK       | 1       | 14        | 18.06                 | 0                         | 0        |
|      | 700.5           | 23025   | 3               | QPSK       | 8       | 0         | 16.66                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | QPSK       | 8       | 4         | 16.74                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | QPSK       | 8       | 7         | 16.72                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | QPSK       | 15      | 0         | 16.73                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 1       | 0         | 17.06                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 1       | 7         | 17.00                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 1       | 14        | 16.99                 | 0-1                       | 1        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 8       | 0         | 15.68                 | 0-2                       | 2        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 8       | 4         | 15.76                 | 0-2                       | 2        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 8       | 7         | 15.75                 | 0-2                       | 2        |
|      | 700.5           | 23025   | 3               | 16-QAM     | 15      | 0         | 15.75                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 3               | QPSK       | 1       | 0         | 17.76                 | 0                         | 0        |
|      | 707.5           | 23095   | 3               | QPSK       | 1       | 7         | 17.77                 | 0                         | 0        |
| Mid  | 707.5           | 23095   | 3               | QPSK       | 1       | 14        | 17.82                 | 0                         | 0        |
|      | 707.5           | 23095   | 3               | QPSK       | 8       | 0         | 16.51                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | QPSK       | 8       | 4         | 16.37                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | QPSK       | 8       | 7         | 16.42                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | QPSK       | 15      | 0         | 16.47                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 1       | 0         | 16.85                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 1       | 7         | 16.62                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 1       | 14        | 16.66                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 8       | 0         | 15.44                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 8       | 4         | 15.38                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 8       | 7         | 15.37                 | 0-2                       | 2        |
|      | 707.5           | 23095   | 3               | 16-QAM     | 15      | 0         | 15.52                 | 0-2                       | 2        |
|      | 714.5           | 23165   | 3               | QPSK       | 1       | 0         | 17.69                 | 0                         | 0        |
|      | 714.5           | 23165   | 3               | QPSK       | 1       | 7         | 17.59                 | 0                         | 0        |
|      | 714.5           | 23165   | 3               | QPSK       | 1       | 14        | 17.70                 | 0                         | 0        |
|      | 714.5           | 23165   | 3               | QPSK       | 8       | 0         | 16.43                 | 0-1                       | 1        |
| High | 714.5           | 23165   | 3               | QPSK       | 8       | 4         | 16.40                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | QPSK       | 8       | 7         | 16.44                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | QPSK       | 15      | 0         | 16.38                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 1       | 0         | 16.64                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 1       | 7         | 16.58                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 1       | 14        | 16.56                 | 0-1                       | 1        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 8       | 0         | 15.32                 | 0-2                       | 2        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 8       | 4         | 15.32                 | 0-2                       | 2        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 8       | 7         | 15.36                 | 0-2                       | 2        |
|      | 714.5           | 23165   | 3               | 16-QAM     | 15      | 0         | 15.38                 | 0-2                       | 2        |

**Table 8-10**  
**LTE Band 12 Conducted Powers - 1.4 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 699.7           | 23017   | 1.4             | QPSK       | 1       | 0         | 17.84                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 1       | 2         | 17.88                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 1       | 5         | 17.87                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 3       | 0         | 17.72                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 3       | 2         | 17.78                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 3       | 3         | 17.79                 | 0                         | 0        |
|      | 699.7           | 23017   | 1.4             | QPSK       | 6       | 0         | 16.72                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 1       | 0         | 17.00                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 1       | 2         | 17.10                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 1       | 5         | 17.19                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 3       | 0         | 16.51                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 3       | 2         | 16.60                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 3       | 3         | 16.57                 | 0-1                       | 1        |
|      | 699.7           | 23017   | 1.4             | 16-QAM     | 6       | 0         | 15.53                 | 0-2                       | 2        |
| Mid  | 707.5           | 23095   | 1.4             | QPSK       | 1       | 0         | 17.76                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 1       | 2         | 17.69                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 1       | 5         | 17.79                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 3       | 0         | 17.51                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 3       | 2         | 17.50                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 3       | 3         | 17.52                 | 0                         | 0        |
|      | 707.5           | 23095   | 1.4             | QPSK       | 6       | 0         | 16.50                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 1       | 0         | 16.85                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 1       | 2         | 16.51                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 1       | 5         | 16.72                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 3       | 0         | 16.48                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 3       | 2         | 16.38                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 3       | 3         | 16.38                 | 0-1                       | 1        |
|      | 707.5           | 23095   | 1.4             | 16-QAM     | 6       | 0         | 15.49                 | 0-2                       | 2        |
| High | 715.3           | 23173   | 1.4             | QPSK       | 1       | 0         | 17.64                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 1       | 2         | 17.65                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 1       | 5         | 17.71                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 3       | 0         | 17.34                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 3       | 2         | 17.38                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 3       | 3         | 17.42                 | 0                         | 0        |
|      | 715.3           | 23173   | 1.4             | QPSK       | 6       | 0         | 16.34                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 1       | 0         | 16.67                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 1       | 2         | 16.60                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 1       | 5         | 16.79                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 3       | 0         | 16.36                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 3       | 2         | 16.47                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 3       | 3         | 16.48                 | 0-1                       | 1        |
|      | 715.3           | 23173   | 1.4             | 16-QAM     | 6       | 0         | 15.66                 | 0-2                       | 2        |

## 8.2.2 LTE Band 13

**Table 8-11**  
**LTE Band 13 Conducted Powers - 10 MHz Bandwidth**

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 782.0           | 23230   | 10              | QPSK       | 1       | 0         | 23.30                 | 0                         | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 1       | 25        | <b>23.38</b>          | 0                         | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 1       | 49        | 23.35                 | 0                         | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 25      | 0         | 22.09                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 10              | QPSK       | 25      | 12        | <b>22.14</b>          | 0-1                       | 1        |
|     | 782.0           | 23230   | 10              | QPSK       | 25      | 25        | 22.08                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 10              | QPSK       | 50      | 0         | 22.05                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 10              | 16QAM      | 1       | 0         | 22.38                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 10              | 16QAM      | 1       | 25        | 22.46                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 10              | 16QAM      | 1       | 49        | 22.50                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 10              | 16QAM      | 25      | 0         | 21.17                 | 0-2                       | 2        |
|     | 782.0           | 23230   | 10              | 16QAM      | 25      | 12        | 21.16                 | 0-2                       | 2        |
|     | 782.0           | 23230   | 10              | 16QAM      | 25      | 25        | 21.10                 | 0-2                       | 2        |
|     | 782.0           | 23230   | 10              | 16QAM      | 50      | 0         | 21.07                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 26 of 101                  |

**Table 8-12**  
**LTE Band 13 Conducted Powers - 5 MHz Bandwidth**

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 782.0           | 23230   | 5               | QPSK       | 1       | 0         | 23.47                 | 0                         | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 1       | 12        | 23.41                 | 0                         | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 1       | 24        | 23.32                 | 0                         | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 12      | 0         | 21.92                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 5               | QPSK       | 12      | 6         | 22.00                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 5               | QPSK       | 12      | 13        | 21.95                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 5               | QPSK       | 25      | 0         | 22.01                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 1       | 0         | 22.39                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 1       | 12        | 22.21                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 1       | 24        | 22.19                 | 0-1                       | 1        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 12      | 0         | 20.92                 | 0-2                       | 2        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 12      | 6         | 21.01                 | 0-2                       | 2        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 12      | 13        | 20.87                 | 0-2                       | 2        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 25      | 0         | 20.99                 | 0-2                       | 2        |

Note: LTE Band 13 at 5 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.

**Table 8-13**  
**LTE Band 13 Conducted Powers - 10 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 782.0           | 23230   | 10              | QPSK       | 1       | 0         | 17.18                 | 0                         | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 1       | 25        | 17.14                 | 0                         | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 1       | 49        | 17.07                 | 0                         | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 25      | 0         | 16.98                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 25      | 12        | 16.85                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 25      | 25        | 16.93                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 10              | QPSK       | 50      | 0         | 16.87                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 10              | 16QAM      | 1       | 0         | 17.28                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 10              | 16QAM      | 1       | 25        | 17.20                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 10              | 16QAM      | 1       | 49        | 17.21                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 10              | 16QAM      | 25      | 0         | 17.00                 | 0-2                       | 0        |
|     | 782.0           | 23230   | 10              | 16QAM      | 25      | 12        | 16.95                 | 0-2                       | 0        |
|     | 782.0           | 23230   | 10              | 16QAM      | 25      | 25        | 16.86                 | 0-2                       | 0        |
|     | 782.0           | 23230   | 10              | 16QAM      | 50      | 0         | 16.89                 | 0-2                       | 0        |

**Table 8-14**  
**LTE Band 13 Conducted Powers - 5 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 782.0           | 23230   | 5               | QPSK       | 1       | 0         | 17.08                 | 0                         | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 1       | 12        | 17.04                 | 0                         | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 1       | 24        | 17.06                 | 0                         | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 12      | 0         | 16.82                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 12      | 6         | 16.85                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 12      | 13        | 16.86                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 5               | QPSK       | 25      | 0         | 16.82                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 1       | 0         | 17.18                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 1       | 12        | 17.29                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 1       | 24        | 17.25                 | 0-1                       | 0        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 12      | 0         | 16.86                 | 0-2                       | 0        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 12      | 6         | 16.80                 | 0-2                       | 0        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 12      | 13        | 16.78                 | 0-2                       | 0        |
|     | 782.0           | 23230   | 5               | 16-QAM     | 25      | 0         | 16.83                 | 0-2                       | 0        |

Note: LTE Band 13 at 5 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: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet | Page 27 of 101                                                                        |                                 |

## 8.2.3

## LTE Band 5 (Cell)

Table 8-15  
LTE Band 5 (Cell) Conducted Powers - 10 MHz Bandwidth

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 836.5           | 20525   | 10              | QPSK       | 1       | 0         | 23.11                 | 0                         | 0        |
|     | 836.5           | 20525   | 10              | QPSK       | 1       | 25        | 23.15                 | 0                         | 0        |
|     | 836.5           | 20525   | 10              | QPSK       | 1       | 49        | 22.98                 | 0                         | 0        |
|     | 836.5           | 20525   | 10              | QPSK       | 25      | 0         | 21.66                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | QPSK       | 25      | 12        | 21.65                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | QPSK       | 25      | 25        | 21.62                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | QPSK       | 50      | 0         | 21.60                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | 16QAM      | 1       | 0         | 21.83                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | 16QAM      | 1       | 25        | 21.85                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | 16QAM      | 1       | 49        | 21.79                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | 16QAM      | 25      | 0         | 20.57                 | 0-2                       | 2        |
|     | 836.5           | 20525   | 10              | 16QAM      | 25      | 12        | 20.52                 | 0-2                       | 2        |
|     | 836.5           | 20525   | 10              | 16QAM      | 25      | 25        | 20.55                 | 0-2                       | 2        |
|     | 836.5           | 20525   | 10              | 16QAM      | 50      | 0         | 20.51                 | 0-2                       | 2        |

Note: LTE Band 5 (Cell) 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.

Table 8-16  
LTE Band 5 (Cell) Conducted Powers - 5 MHz Bandwidth

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 826.5           | 20425   | 5               | QPSK       | 1       | 0         | 22.99                 | 0                         | 0        |
|      | 826.5           | 20425   | 5               | QPSK       | 1       | 12        | 23.01                 | 0                         | 0        |
|      | 826.5           | 20425   | 5               | QPSK       | 1       | 24        | 23.05                 | 0                         | 0        |
|      | 826.5           | 20425   | 5               | QPSK       | 12      | 0         | 21.62                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | QPSK       | 12      | 6         | 21.65                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | QPSK       | 12      | 13        | 21.72                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | QPSK       | 25      | 0         | 21.63                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 1       | 0         | 22.15                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 1       | 12        | 22.19                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 1       | 24        | 22.20                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 12      | 0         | 20.55                 | 0-2                       | 2        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 12      | 6         | 20.63                 | 0-2                       | 2        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 12      | 13        | 20.70                 | 0-2                       | 2        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 25      | 0         | 20.70                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 5               | QPSK       | 1       | 0         | 23.02                 | 0                         | 0        |
| Mid  | 836.5           | 20525   | 5               | QPSK       | 1       | 12        | 23.06                 | 0                         | 0        |
|      | 836.5           | 20525   | 5               | QPSK       | 1       | 24        | 23.10                 | 0                         | 0        |
|      | 836.5           | 20525   | 5               | QPSK       | 12      | 0         | 21.78                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | QPSK       | 12      | 6         | 21.77                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | QPSK       | 12      | 13        | 21.80                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | QPSK       | 25      | 0         | 21.69                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 1       | 0         | 22.23                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 1       | 12        | 22.21                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 1       | 24        | 22.36                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 12      | 0         | 20.62                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 12      | 6         | 20.64                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 12      | 13        | 20.69                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 25      | 0         | 20.60                 | 0-2                       | 2        |
| High | 846.5           | 20625   | 5               | QPSK       | 1       | 0         | 23.03                 | 0                         | 0        |
|      | 846.5           | 20625   | 5               | QPSK       | 1       | 12        | 23.01                 | 0                         | 0        |
|      | 846.5           | 20625   | 5               | QPSK       | 1       | 24        | 23.06                 | 0                         | 0        |
|      | 846.5           | 20625   | 5               | QPSK       | 12      | 0         | 21.60                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | QPSK       | 12      | 6         | 21.61                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | QPSK       | 12      | 13        | 21.55                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | QPSK       | 25      | 0         | 21.61                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 1       | 0         | 22.06                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 1       | 12        | 22.15                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 1       | 24        | 22.22                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 12      | 0         | 20.62                 | 0-2                       | 2        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 12      | 6         | 20.60                 | 0-2                       | 2        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 12      | 13        | 20.56                 | 0-2                       | 2        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 25      | 0         | 20.57                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 28 of 101                  |

**Table 8-17**  
**LTE Band 5 (Cell) Conducted Powers - 3 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 825.5           | 20415   | 3               | QPSK       | 1       | 0         | 22.97                 | 0                         | 0        |
|      | 825.5           | 20415   | 3               | QPSK       | 1       | 7         | 23.05                 | 0                         | 0        |
|      | 825.5           | 20415   | 3               | QPSK       | 1       | 14        | 23.08                 | 0                         | 0        |
|      | 825.5           | 20415   | 3               | QPSK       | 8       | 0         | 21.62                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | QPSK       | 8       | 4         | 21.66                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | QPSK       | 8       | 7         | 21.71                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | QPSK       | 15      | 0         | 21.64                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 1       | 0         | 22.19                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 1       | 7         | 22.21                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 1       | 14        | 22.20                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 8       | 0         | 20.54                 | 0-2                       | 2        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 8       | 4         | 20.66                 | 0-2                       | 2        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 8       | 7         | 20.69                 | 0-2                       | 2        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 15      | 0         | 20.67                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 3               | QPSK       | 1       | 0         | 23.00                 | 0                         | 0        |
| Mid  | 836.5           | 20525   | 3               | QPSK       | 1       | 7         | 23.10                 | 0                         | 0        |
|      | 836.5           | 20525   | 3               | QPSK       | 1       | 14        | 23.13                 | 0                         | 0        |
|      | 836.5           | 20525   | 3               | QPSK       | 8       | 0         | 21.75                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | QPSK       | 8       | 4         | 21.80                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | QPSK       | 8       | 7         | 21.78                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | QPSK       | 15      | 0         | 21.71                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 1       | 0         | 22.26                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 1       | 7         | 22.25                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 1       | 14        | 22.33                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 8       | 0         | 20.59                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 8       | 4         | 20.63                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 8       | 7         | 20.66                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 15      | 0         | 20.59                 | 0-2                       | 2        |
|      | 847.5           | 20635   | 3               | QPSK       | 1       | 0         | 22.99                 | 0                         | 0        |
|      | 847.5           | 20635   | 3               | QPSK       | 1       | 7         | 23.01                 | 0                         | 0        |
|      | 847.5           | 20635   | 3               | QPSK       | 1       | 14        | 23.05                 | 0                         | 0        |
| High | 847.5           | 20635   | 3               | QPSK       | 8       | 0         | 21.62                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | QPSK       | 8       | 4         | 21.64                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | QPSK       | 8       | 7         | 21.59                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | QPSK       | 15      | 0         | 21.58                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 1       | 0         | 22.06                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 1       | 7         | 22.19                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 1       | 14        | 22.20                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 8       | 0         | 20.61                 | 0-2                       | 2        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 8       | 4         | 20.60                 | 0-2                       | 2        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 8       | 7         | 20.53                 | 0-2                       | 2        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 15      | 0         | 20.58                 | 0-2                       | 2        |

**Table 8-18**  
**LTE Band 5 (Cell) Conducted Powers - 1.4 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 824.7           | 20407   | 1.4             | QPSK       | 1       | 0         | 22.96                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 1       | 2         | 23.05                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 1       | 5         | 23.05                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 3       | 0         | 22.59                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 3       | 2         | 22.67                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 3       | 3         | 22.74                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 6       | 0         | 21.60                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 1       | 0         | 22.23                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 1       | 2         | 22.23                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 1       | 5         | 22.21                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 3       | 0         | 21.52                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 3       | 2         | 21.69                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 3       | 3         | 21.70                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 6       | 0         | 20.68                 | 0-2                       | 2        |
| Mid  | 836.5           | 20525   | 1.4             | QPSK       | 1       | 0         | 22.99                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 1       | 2         | 23.06                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 1       | 5         | 23.09                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 3       | 0         | 22.76                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 3       | 2         | 22.79                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 3       | 3         | 22.80                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 6       | 0         | 21.67                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 1       | 0         | 22.24                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 1       | 2         | 22.22                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 1       | 5         | 22.34                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 3       | 0         | 21.60                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 3       | 2         | 21.67                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 3       | 3         | 21.66                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 6       | 0         | 20.55                 | 0-2                       | 2        |
| High | 848.3           | 20643   | 1.4             | QPSK       | 1       | 0         | 23.03                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 1       | 2         | 22.99                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 1       | 5         | 23.08                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 3       | 0         | 22.62                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 3       | 2         | 22.67                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 3       | 3         | 22.63                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 6       | 0         | 21.55                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 1       | 0         | 22.09                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 1       | 2         | 22.22                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 1       | 5         | 22.18                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 3       | 0         | 21.58                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 3       | 2         | 21.64                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 3       | 3         | 21.57                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 6       | 0         | 20.58                 | 0-2                       | 2        |

**Table 8-19**  
**LTE Band 5 (Cell) Conducted Powers - 10 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 836.5           | 20525   | 10              | QPSK       | 1       | 0         | 16.59                 | 0                         | 0        |
|     | 836.5           | 20525   | 10              | QPSK       | 1       | 25        | 17.15                 | 0                         | 0        |
|     | 836.5           | 20525   | 10              | QPSK       | 1       | 49        | 16.62                 | 0                         | 0        |
|     | 836.5           | 20525   | 10              | QPSK       | 25      | 0         | 15.94                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | QPSK       | 25      | 12        | 15.87                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | QPSK       | 25      | 25        | 15.86                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | QPSK       | 50      | 0         | 15.93                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | 16QAM      | 1       | 0         | 16.00                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | 16QAM      | 1       | 25        | 16.06                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | 16QAM      | 1       | 49        | 16.04                 | 0-1                       | 1        |
|     | 836.5           | 20525   | 10              | 16QAM      | 25      | 0         | 14.92                 | 0-2                       | 2        |
|     | 836.5           | 20525   | 10              | 16QAM      | 25      | 12        | 14.90                 | 0-2                       | 2        |
|     | 836.5           | 20525   | 10              | 16QAM      | 25      | 25        | 14.85                 | 0-2                       | 2        |
|     | 836.5           | 20525   | 10              | 16QAM      | 50      | 0         | 14.97                 | 0-2                       | 2        |

Note: LTE Band 5 (Cell) 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: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 30 of 101                  |

**Table 8-20**  
**LTE Band 5 (Cell) Conducted Powers - 5 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 826.5           | 20425   | 5               | QPSK       | 1       | 0         | 17.11                 | 0                         | 0        |
|      | 826.5           | 20425   | 5               | QPSK       | 1       | 12        | 17.17                 | 0                         | 0        |
|      | 826.5           | 20425   | 5               | QPSK       | 1       | 24        | 17.10                 | 0                         | 0        |
|      | 826.5           | 20425   | 5               | QPSK       | 12      | 0         | 16.06                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | QPSK       | 12      | 6         | 16.04                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | QPSK       | 12      | 13        | 16.03                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | QPSK       | 25      | 0         | 16.01                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 1       | 0         | 16.14                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 1       | 12        | 16.18                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 1       | 24        | 16.10                 | 0-1                       | 1        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 12      | 0         | 15.02                 | 0-2                       | 2        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 12      | 6         | 14.99                 | 0-2                       | 2        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 12      | 13        | 14.96                 | 0-2                       | 2        |
|      | 826.5           | 20425   | 5               | 16-QAM     | 25      | 0         | 15.00                 | 0-2                       | 2        |
| Mid  | 836.5           | 20525   | 5               | QPSK       | 1       | 0         | 17.13                 | 0                         | 0        |
|      | 836.5           | 20525   | 5               | QPSK       | 1       | 12        | 17.15                 | 0                         | 0        |
|      | 836.5           | 20525   | 5               | QPSK       | 1       | 24        | 17.11                 | 0                         | 0        |
|      | 836.5           | 20525   | 5               | QPSK       | 12      | 0         | 15.97                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | QPSK       | 12      | 6         | 15.94                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | QPSK       | 12      | 13        | 15.93                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | QPSK       | 25      | 0         | 16.10                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 1       | 0         | 16.11                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 1       | 12        | 16.18                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 1       | 24        | 16.10                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 12      | 0         | 14.92                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 12      | 6         | 14.90                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 12      | 13        | 14.92                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 5               | 16-QAM     | 25      | 0         | 14.94                 | 0-2                       | 2        |
| High | 846.5           | 20625   | 5               | QPSK       | 1       | 0         | 17.18                 | 0                         | 0        |
|      | 846.5           | 20625   | 5               | QPSK       | 1       | 12        | 17.19                 | 0                         | 0        |
|      | 846.5           | 20625   | 5               | QPSK       | 1       | 24        | 17.11                 | 0                         | 0        |
|      | 846.5           | 20625   | 5               | QPSK       | 12      | 0         | 15.89                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | QPSK       | 12      | 6         | 15.83                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | QPSK       | 12      | 13        | 15.85                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | QPSK       | 25      | 0         | 15.92                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 1       | 0         | 15.86                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 1       | 12        | 15.96                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 1       | 24        | 15.88                 | 0-1                       | 1        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 12      | 0         | 14.89                 | 0-2                       | 2        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 12      | 6         | 14.81                 | 0-2                       | 2        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 12      | 13        | 14.85                 | 0-2                       | 2        |
|      | 846.5           | 20625   | 5               | 16-QAM     | 25      | 0         | 14.87                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 31 of 101                  |

**Table 8-21**  
**LTE Band 5 (Cell) Conducted Powers - 3 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 825.5           | 20415   | 3               | QPSK       | 1       | 0         | 17.46                 | 0                         | 0        |
|      | 825.5           | 20415   | 3               | QPSK       | 1       | 7         | 17.48                 | 0                         | 0        |
|      | 825.5           | 20415   | 3               | QPSK       | 1       | 14        | 17.43                 | 0                         | 0        |
|      | 825.5           | 20415   | 3               | QPSK       | 8       | 0         | 16.28                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | QPSK       | 8       | 4         | 16.20                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | QPSK       | 8       | 7         | 16.22                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | QPSK       | 15      | 0         | 16.24                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 1       | 0         | 16.49                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 1       | 7         | 16.50                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 1       | 14        | 16.47                 | 0-1                       | 1        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 8       | 0         | 15.34                 | 0-2                       | 2        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 8       | 4         | 15.26                 | 0-2                       | 2        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 8       | 7         | 15.28                 | 0-2                       | 2        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 15      | 0         | 15.30                 | 0-2                       | 2        |
|      | 825.5           | 20415   | 3               | 16-QAM     | 15      | 0         | 15.30                 | 0-2                       | 2        |
| Mid  | 836.5           | 20525   | 3               | QPSK       | 1       | 0         | 17.49                 | 0                         | 0        |
|      | 836.5           | 20525   | 3               | QPSK       | 1       | 7         | 17.44                 | 0                         | 0        |
|      | 836.5           | 20525   | 3               | QPSK       | 1       | 14        | 17.43                 | 0                         | 0        |
|      | 836.5           | 20525   | 3               | QPSK       | 8       | 0         | 16.26                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | QPSK       | 8       | 4         | 16.21                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | QPSK       | 8       | 7         | 16.20                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | QPSK       | 15      | 0         | 16.20                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 1       | 0         | 16.49                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 1       | 7         | 16.47                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 1       | 14        | 16.48                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 8       | 0         | 15.28                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 8       | 4         | 15.22                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 8       | 7         | 15.21                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 15      | 0         | 15.15                 | 0-2                       | 2        |
|      | 836.5           | 20525   | 3               | 16-QAM     | 15      | 0         | 15.15                 | 0-2                       | 2        |
| High | 847.5           | 20635   | 3               | QPSK       | 1       | 0         | 17.30                 | 0                         | 0        |
|      | 847.5           | 20635   | 3               | QPSK       | 1       | 7         | 17.21                 | 0                         | 0        |
|      | 847.5           | 20635   | 3               | QPSK       | 1       | 14        | 17.28                 | 0                         | 0        |
|      | 847.5           | 20635   | 3               | QPSK       | 8       | 0         | 16.08                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | QPSK       | 8       | 4         | 16.05                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | QPSK       | 8       | 7         | 15.96                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | QPSK       | 15      | 0         | 16.12                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 1       | 0         | 16.44                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 1       | 7         | 16.16                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 1       | 14        | 16.26                 | 0-1                       | 1        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 8       | 0         | 15.02                 | 0-2                       | 2        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 8       | 4         | 15.03                 | 0-2                       | 2        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 8       | 7         | 15.03                 | 0-2                       | 2        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 15      | 0         | 15.09                 | 0-2                       | 2        |
|      | 847.5           | 20635   | 3               | 16-QAM     | 15      | 0         | 15.09                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 32 of 101                  |

**Table 8-22**  
**LTE Band 5 (Cell) Conducted Powers - 1.4 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 824.7           | 20407   | 1.4             | QPSK       | 1       | 0         | 17.37                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 1       | 2         | 17.38                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 1       | 5         | 17.42                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 3       | 0         | 17.25                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 3       | 2         | 17.21                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 3       | 3         | 17.20                 | 0                         | 0        |
|      | 824.7           | 20407   | 1.4             | QPSK       | 6       | 0         | 16.20                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 1       | 0         | 16.45                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 1       | 2         | 16.45                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 1       | 5         | 16.48                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 3       | 0         | 16.18                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 3       | 2         | 16.16                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 3       | 3         | 16.10                 | 0-1                       | 1        |
|      | 824.7           | 20407   | 1.4             | 16-QAM     | 6       | 0         | 15.25                 | 0-2                       | 2        |
| Mid  | 836.5           | 20525   | 1.4             | QPSK       | 1       | 0         | 17.39                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 1       | 2         | 17.44                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 1       | 5         | 17.48                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 3       | 0         | 17.25                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 3       | 2         | 17.23                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 3       | 3         | 17.26                 | 0                         | 0        |
|      | 836.5           | 20525   | 1.4             | QPSK       | 6       | 0         | 16.22                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 1       | 0         | 16.50                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 1       | 2         | 16.43                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 1       | 5         | 16.45                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 3       | 0         | 16.32                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 3       | 2         | 16.08                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 3       | 3         | 16.10                 | 0-1                       | 1        |
|      | 836.5           | 20525   | 1.4             | 16-QAM     | 6       | 0         | 15.30                 | 0-2                       | 2        |
| High | 848.3           | 20643   | 1.4             | QPSK       | 1       | 0         | 17.24                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 1       | 2         | 17.16                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 1       | 5         | 17.23                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 3       | 0         | 17.09                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 3       | 2         | 16.99                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 3       | 3         | 17.08                 | 0                         | 0        |
|      | 848.3           | 20643   | 1.4             | QPSK       | 6       | 0         | 16.11                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 1       | 0         | 16.45                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 1       | 2         | 16.42                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 1       | 5         | 16.26                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 3       | 0         | 15.93                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 3       | 2         | 15.88                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 3       | 3         | 15.98                 | 0-1                       | 1        |
|      | 848.3           | 20643   | 1.4             | 16-QAM     | 6       | 0         | 15.04                 | 0-2                       | 2        |

## 8.2.4 LTE Band 4 (AWS)

**Table 8-23**  
**LTE Band 4 (AWS) Conducted Powers - 20 MHz Bandwidth**

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 1732.5          | 20175   | 20              | QPSK       | 1       | 0         | 23.44                 | 0                         | 0        |
|     | 1732.5          | 20175   | 20              | QPSK       | 1       | 50        | 23.45                 | 0                         | 0        |
|     | 1732.5          | 20175   | 20              | QPSK       | 1       | 99        | 23.47                 | 0                         | 0        |
|     | 1732.5          | 20175   | 20              | QPSK       | 50      | 0         | 21.86                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | QPSK       | 50      | 25        | 21.95                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | QPSK       | 50      | 50        | 21.96                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | QPSK       | 100     | 0         | 21.93                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 1       | 0         | 22.06                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 1       | 50        | 21.96                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 1       | 99        | 22.06                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 50      | 0         | 20.85                 | 0-2                       | 2        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 50      | 25        | 20.98                 | 0-2                       | 2        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 50      | 50        | 20.82                 | 0-2                       | 2        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 100     | 0         | 20.92                 | 0-2                       | 2        |

Note: LTE Band 4 (AWS) 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: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 33 of 101                  |

Table 8-24

## LTE Band 4 (AWS) Conducted Powers - 15 MHz Bandwidth

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1717.5          | 20025   | 15              | QPSK       | 1       | 0         | 23.29                 | 0                         | 0        |
|      | 1717.5          | 20025   | 15              | QPSK       | 1       | 36        | 23.41                 | 0                         | 0        |
|      | 1717.5          | 20025   | 15              | QPSK       | 1       | 74        | 23.41                 | 0                         | 0        |
|      | 1717.5          | 20025   | 15              | QPSK       | 36      | 0         | 22.04                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | QPSK       | 36      | 18        | 22.03                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | QPSK       | 36      | 37        | 22.05                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | QPSK       | 75      | 0         | 21.99                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 1       | 0         | 22.22                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 1       | 36        | 21.99                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 1       | 74        | 22.20                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 36      | 0         | 21.06                 | 0-2                       | 2        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 36      | 18        | 21.02                 | 0-2                       | 2        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 36      | 37        | 20.95                 | 0-2                       | 2        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 75      | 0         | 21.09                 | 0-2                       | 2        |
| Mid  | 1732.5          | 20175   | 15              | QPSK       | 1       | 0         | 22.98                 | 0                         | 0        |
|      | 1732.5          | 20175   | 15              | QPSK       | 1       | 36        | 23.23                 | 0                         | 0        |
|      | 1732.5          | 20175   | 15              | QPSK       | 1       | 74        | 23.11                 | 0                         | 0        |
|      | 1732.5          | 20175   | 15              | QPSK       | 36      | 0         | 21.94                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | QPSK       | 36      | 18        | 21.94                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | QPSK       | 36      | 37        | 22.00                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | QPSK       | 75      | 0         | 21.87                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 1       | 0         | 22.22                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 1       | 36        | 22.36                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 1       | 74        | 22.25                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 36      | 0         | 20.82                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 36      | 18        | 20.83                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 36      | 37        | 20.89                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 75      | 0         | 20.85                 | 0-2                       | 2        |
| High | 1747.5          | 20325   | 15              | QPSK       | 1       | 0         | 23.29                 | 0                         | 0        |
|      | 1747.5          | 20325   | 15              | QPSK       | 1       | 36        | 23.19                 | 0                         | 0        |
|      | 1747.5          | 20325   | 15              | QPSK       | 1       | 74        | 23.22                 | 0                         | 0        |
|      | 1747.5          | 20325   | 15              | QPSK       | 36      | 0         | 21.95                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | QPSK       | 36      | 18        | 21.92                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | QPSK       | 36      | 37        | 21.90                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | QPSK       | 75      | 0         | 21.83                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 1       | 0         | 22.04                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 1       | 36        | 22.10                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 1       | 74        | 22.26                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 36      | 0         | 20.86                 | 0-2                       | 2        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 36      | 18        | 20.83                 | 0-2                       | 2        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 36      | 37        | 21.10                 | 0-2                       | 2        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 75      | 0         | 20.76                 | 0-2                       | 2        |

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 34 of 101                         |

**Table 8-25**  
**LTE Band 4 (AWS) Conducted Powers - 10 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1715            | 20000   | 10              | QPSK       | 1       | 0         | 23.33                 | 0                         | 0        |
|      | 1715            | 20000   | 10              | QPSK       | 1       | 25        | 23.38                 | 0                         | 0        |
|      | 1715            | 20000   | 10              | QPSK       | 1       | 49        | 23.42                 | 0                         | 0        |
|      | 1715            | 20000   | 10              | QPSK       | 25      | 0         | 22.08                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | QPSK       | 25      | 12        | 22.07                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | QPSK       | 25      | 25        | 22.03                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | QPSK       | 50      | 0         | 21.96                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | 16QAM      | 1       | 0         | 22.19                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | 16QAM      | 1       | 25        | 22.00                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | 16QAM      | 1       | 49        | 22.21                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | 16QAM      | 25      | 0         | 21.03                 | 0-2                       | 2        |
|      | 1715            | 20000   | 10              | 16QAM      | 25      | 12        | 21.00                 | 0-2                       | 2        |
|      | 1715            | 20000   | 10              | 16QAM      | 25      | 25        | 20.95                 | 0-2                       | 2        |
|      | 1715            | 20000   | 10              | 16QAM      | 50      | 0         | 21.11                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 10              | QPSK       | 1       | 0         | 22.95                 | 0                         | 0        |
| Mid  | 1732.5          | 20175   | 10              | QPSK       | 1       | 25        | 23.20                 | 0                         | 0        |
|      | 1732.5          | 20175   | 10              | QPSK       | 1       | 49        | 23.11                 | 0                         | 0        |
|      | 1732.5          | 20175   | 10              | QPSK       | 25      | 0         | 21.91                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | QPSK       | 25      | 12        | 21.88                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | QPSK       | 25      | 25        | 22.04                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | QPSK       | 50      | 0         | 21.90                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 1       | 0         | 22.22                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 1       | 25        | 22.33                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 1       | 49        | 22.21                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 25      | 0         | 20.85                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 25      | 12        | 20.83                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 25      | 25        | 20.86                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 50      | 0         | 20.83                 | 0-2                       | 2        |
|      | 1750            | 20350   | 10              | QPSK       | 1       | 0         | 23.30                 | 0                         | 0        |
|      | 1750            | 20350   | 10              | QPSK       | 1       | 25        | 23.20                 | 0                         | 0        |
| High | 1750            | 20350   | 10              | QPSK       | 1       | 49        | 23.19                 | 0                         | 0        |
|      | 1750            | 20350   | 10              | QPSK       | 25      | 0         | 21.93                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | QPSK       | 25      | 12        | 21.95                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | QPSK       | 25      | 25        | 21.90                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | QPSK       | 50      | 0         | 21.81                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | 16QAM      | 1       | 0         | 22.08                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | 16QAM      | 1       | 25        | 22.07                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | 16QAM      | 1       | 49        | 22.29                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | 16QAM      | 25      | 0         | 20.89                 | 0-2                       | 2        |
|      | 1750            | 20350   | 10              | 16QAM      | 25      | 12        | 20.84                 | 0-2                       | 2        |
|      | 1750            | 20350   | 10              | 16QAM      | 25      | 25        | 21.08                 | 0-2                       | 2        |
|      | 1750            | 20350   | 10              | 16QAM      | 50      | 0         | 20.72                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 35 of 101                  |

**Table 8-26**  
**LTE Band 4 (AWS) Conducted Powers - 5 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1712.5          | 19975   | 5               | QPSK       | 1       | 0         | 23.30                 | 0                         | 0        |
|      | 1712.5          | 19975   | 5               | QPSK       | 1       | 12        | 23.36                 | 0                         | 0        |
|      | 1712.5          | 19975   | 5               | QPSK       | 1       | 24        | 23.40                 | 0                         | 0        |
|      | 1712.5          | 19975   | 5               | QPSK       | 12      | 0         | 22.10                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | QPSK       | 12      | 6         | 22.04                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | QPSK       | 12      | 13        | 22.05                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | QPSK       | 25      | 0         | 21.96                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 1       | 0         | 22.17                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 1       | 12        | 21.98                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 1       | 24        | 22.21                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 12      | 0         | 21.03                 | 0-2                       | 2        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 12      | 6         | 20.96                 | 0-2                       | 2        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 12      | 13        | 20.99                 | 0-2                       | 2        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 25      | 0         | 21.11                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 5               | QPSK       | 1       | 0         | 22.99                 | 0                         | 0        |
| Mid  | 1732.5          | 20175   | 5               | QPSK       | 1       | 12        | 23.17                 | 0                         | 0        |
|      | 1732.5          | 20175   | 5               | QPSK       | 1       | 24        | 23.09                 | 0                         | 0        |
|      | 1732.5          | 20175   | 5               | QPSK       | 12      | 0         | 21.89                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | QPSK       | 12      | 6         | 21.93                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | QPSK       | 12      | 13        | 22.03                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | QPSK       | 25      | 0         | 21.90                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 1       | 0         | 22.21                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 1       | 12        | 22.29                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 1       | 24        | 22.25                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 12      | 0         | 20.89                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 12      | 6         | 20.84                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 12      | 13        | 20.85                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 25      | 0         | 20.81                 | 0-2                       | 2        |
|      | 1752.5          | 20375   | 5               | QPSK       | 1       | 0         | 23.32                 | 0                         | 0        |
|      | 1752.5          | 20375   | 5               | QPSK       | 1       | 12        | 23.24                 | 0                         | 0        |
| High | 1752.5          | 20375   | 5               | QPSK       | 1       | 24        | 23.18                 | 0                         | 0        |
|      | 1752.5          | 20375   | 5               | QPSK       | 12      | 0         | 21.91                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | QPSK       | 12      | 6         | 21.92                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | QPSK       | 12      | 13        | 21.88                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | QPSK       | 25      | 0         | 21.81                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 1       | 0         | 22.09                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 1       | 12        | 22.10                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 1       | 24        | 22.27                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 12      | 0         | 20.93                 | 0-2                       | 2        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 12      | 6         | 20.80                 | 0-2                       | 2        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 12      | 13        | 21.06                 | 0-2                       | 2        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 25      | 0         | 20.76                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
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**Table 8-27**  
**LTE Band 4 (AWS) Conducted Powers - 3 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1711.5          | 19965   | 3               | QPSK       | 1       | 0         | 23.33                 | 0                         | 0        |
|      | 1711.5          | 19965   | 3               | QPSK       | 1       | 7         | 23.39                 | 0                         | 0        |
|      | 1711.5          | 19965   | 3               | QPSK       | 1       | 14        | 23.40                 | 0                         | 0        |
|      | 1711.5          | 19965   | 3               | QPSK       | 8       | 0         | 22.08                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | QPSK       | 8       | 4         | 22.06                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | QPSK       | 8       | 7         | 22.05                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | QPSK       | 15      | 0         | 21.98                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 1       | 0         | 22.19                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 1       | 7         | 22.01                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 1       | 14        | 22.21                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 8       | 0         | 21.07                 | 0-2                       | 2        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 8       | 4         | 20.97                 | 0-2                       | 2        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 8       | 7         | 21.01                 | 0-2                       | 2        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 15      | 0         | 21.02                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 3               | QPSK       | 1       | 0         | 23.01                 | 0                         | 0        |
| Mid  | 1732.5          | 20175   | 3               | QPSK       | 1       | 7         | 23.20                 | 0                         | 0        |
|      | 1732.5          | 20175   | 3               | QPSK       | 1       | 14        | 23.13                 | 0                         | 0        |
|      | 1732.5          | 20175   | 3               | QPSK       | 8       | 0         | 21.92                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | QPSK       | 8       | 4         | 21.91                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | QPSK       | 8       | 7         | 22.06                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | QPSK       | 15      | 0         | 21.82                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 1       | 0         | 22.25                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 1       | 7         | 22.30                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 1       | 14        | 22.25                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 8       | 0         | 20.88                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 8       | 4         | 20.85                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 8       | 7         | 20.86                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 15      | 0         | 20.83                 | 0-2                       | 2        |
|      | 1753.5          | 20385   | 3               | QPSK       | 1       | 0         | 23.35                 | 0                         | 0        |
|      | 1753.5          | 20385   | 3               | QPSK       | 1       | 7         | 23.28                 | 0                         | 0        |
| High | 1753.5          | 20385   | 3               | QPSK       | 1       | 14        | 23.20                 | 0                         | 0        |
|      | 1753.5          | 20385   | 3               | QPSK       | 8       | 0         | 21.88                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | QPSK       | 8       | 4         | 21.95                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | QPSK       | 8       | 7         | 21.91                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | QPSK       | 15      | 0         | 21.79                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 1       | 0         | 22.05                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 1       | 7         | 22.10                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 1       | 14        | 22.25                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 8       | 0         | 20.91                 | 0-2                       | 2        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 8       | 4         | 20.77                 | 0-2                       | 2        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 8       | 7         | 21.03                 | 0-2                       | 2        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 15      | 0         | 20.78                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
| Page 37 of 101                       |                                                                                                                                                                                                        |                                 |

**Table 8-28**  
**LTE Band 4 (AWS) Conducted Powers - 1.4 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1710.7          | 19957   | 1.4             | QPSK       | 1       | 0         | 23.33                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 1       | 2         | 23.43                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 1       | 5         | 23.42                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 3       | 0         | 23.12                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 3       | 2         | 23.04                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 3       | 3         | 23.07                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 6       | 0         | 22.01                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 1       | 0         | 22.23                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 1       | 2         | 22.04                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 1       | 5         | 22.23                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 3       | 0         | 22.05                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 3       | 2         | 21.95                 | 0-1                       | 1        |
| Mid  | 1710.7          | 19957   | 1.4             | 16-QAM     | 3       | 3         | 21.99                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 6       | 0         | 21.00                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 1       | 0         | 22.98                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 1       | 2         | 23.17                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 1       | 5         | 23.16                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 3       | 0         | 22.91                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 3       | 2         | 22.99                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 3       | 3         | 23.06                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 6       | 0         | 21.92                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 1       | 0         | 22.26                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 1       | 2         | 22.31                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 1       | 5         | 22.26                 | 0-1                       | 1        |
| High | 1732.5          | 20175   | 1.4             | 16-QAM     | 3       | 0         | 21.90                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 3       | 2         | 21.83                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 3       | 3         | 21.87                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 6       | 0         | 20.85                 | 0-2                       | 2        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 1       | 0         | 23.36                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 1       | 2         | 23.29                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 1       | 5         | 23.16                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 3       | 0         | 22.90                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 3       | 2         | 22.94                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 3       | 3         | 22.88                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 6       | 0         | 21.76                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 1       | 0         | 22.05                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 1       | 2         | 22.06                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 1       | 5         | 22.28                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 3       | 0         | 21.87                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 3       | 2         | 21.81                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 3       | 3         | 22.01                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 6       | 0         | 20.76                 | 0-2                       | 2        |

**Table 8-29**  
**LTE Band 4 (AWS) Conducted Powers - 20 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|     | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|-----|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Mid | 1732.5          | 20175   | 20              | QPSK       | 1       | 0         | <b>14.39</b>          | 0                         | 0        |
|     | 1732.5          | 20175   | 20              | QPSK       | 1       | 50        | 14.29                 | 0                         | 0        |
|     | 1732.5          | 20175   | 20              | QPSK       | 1       | 99        | 14.34                 | 0                         | 0        |
|     | 1732.5          | 20175   | 20              | QPSK       | 50      | 0         | 13.04                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | QPSK       | 50      | 25        | <b>13.08</b>          | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | QPSK       | 50      | 50        | 13.07                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | QPSK       | 100     | 0         | 13.06                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 1       | 0         | 13.00                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 1       | 50        | 13.12                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 1       | 99        | 13.19                 | 0-1                       | 1        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 50      | 0         | 12.12                 | 0-2                       | 2        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 50      | 25        | 12.17                 | 0-2                       | 2        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 50      | 50        | 12.06                 | 0-2                       | 2        |
|     | 1732.5          | 20175   | 20              | 16QAM      | 100     | 0         | 12.05                 | 0-2                       | 2        |

Note: LTE Band 4 (AWS) 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: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 38 of 101                  |

**Table 8-30**  
**LTE Band 4 (AWS) Conducted Powers - 15 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1717.5          | 20025   | 15              | QPSK       | 1       | 0         | 14.43                 | 0                         | 0        |
|      | 1717.5          | 20025   | 15              | QPSK       | 1       | 36        | 14.46                 | 0                         | 0        |
|      | 1717.5          | 20025   | 15              | QPSK       | 1       | 74        | 14.44                 | 0                         | 0        |
|      | 1717.5          | 20025   | 15              | QPSK       | 36      | 0         | 13.27                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | QPSK       | 36      | 18        | 13.34                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | QPSK       | 36      | 37        | 13.31                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | QPSK       | 75      | 0         | 13.27                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 1       | 0         | 13.44                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 1       | 36        | 13.50                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 1       | 74        | 13.42                 | 0-1                       | 1        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 36      | 0         | 12.29                 | 0-2                       | 2        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 36      | 18        | 12.35                 | 0-2                       | 2        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 36      | 37        | 12.35                 | 0-2                       | 2        |
|      | 1717.5          | 20025   | 15              | 16QAM      | 75      | 0         | 12.35                 | 0-2                       | 2        |
| Mid  | 1732.5          | 20175   | 15              | QPSK       | 1       | 0         | 14.29                 | 0                         | 0        |
|      | 1732.5          | 20175   | 15              | QPSK       | 1       | 36        | 14.45                 | 0                         | 0        |
|      | 1732.5          | 20175   | 15              | QPSK       | 1       | 74        | 14.31                 | 0                         | 0        |
|      | 1732.5          | 20175   | 15              | QPSK       | 36      | 0         | 13.29                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | QPSK       | 36      | 18        | 13.28                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | QPSK       | 36      | 37        | 13.34                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | QPSK       | 75      | 0         | 13.27                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 1       | 0         | 13.48                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 1       | 36        | 13.43                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 1       | 74        | 13.50                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 36      | 0         | 12.30                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 36      | 18        | 12.31                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 36      | 37        | 12.36                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 15              | 16QAM      | 75      | 0         | 12.28                 | 0-2                       | 2        |
| High | 1747.5          | 20325   | 15              | QPSK       | 1       | 0         | 14.15                 | 0                         | 0        |
|      | 1747.5          | 20325   | 15              | QPSK       | 1       | 36        | 14.19                 | 0                         | 0        |
|      | 1747.5          | 20325   | 15              | QPSK       | 1       | 74        | 14.28                 | 0                         | 0        |
|      | 1747.5          | 20325   | 15              | QPSK       | 36      | 0         | 13.07                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | QPSK       | 36      | 18        | 13.03                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | QPSK       | 36      | 37        | 13.04                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | QPSK       | 75      | 0         | 13.01                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 1       | 0         | 13.24                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 1       | 36        | 13.33                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 1       | 74        | 13.34                 | 0-1                       | 1        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 36      | 0         | 12.09                 | 0-2                       | 2        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 36      | 18        | 12.06                 | 0-2                       | 2        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 36      | 37        | 12.07                 | 0-2                       | 2        |
|      | 1747.5          | 20325   | 15              | 16QAM      | 75      | 0         | 12.09                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 39 of 101                  |

**Table 8-31**  
**LTE Band 4 (AWS) Conducted Powers - 10 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1715            | 20000   | 10              | QPSK       | 1       | 0         | 14.43                 | 0                         | 0        |
|      | 1715            | 20000   | 10              | QPSK       | 1       | 25        | 14.30                 | 0                         | 0        |
|      | 1715            | 20000   | 10              | QPSK       | 1       | 49        | 14.33                 | 0                         | 0        |
|      | 1715            | 20000   | 10              | QPSK       | 25      | 0         | 13.38                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | QPSK       | 25      | 12        | 13.44                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | QPSK       | 25      | 25        | 13.39                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | QPSK       | 50      | 0         | 13.47                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | 16QAM      | 1       | 0         | 13.50                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | 16QAM      | 1       | 25        | 13.42                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | 16QAM      | 1       | 49        | 13.44                 | 0-1                       | 1        |
|      | 1715            | 20000   | 10              | 16QAM      | 25      | 0         | 12.47                 | 0-2                       | 2        |
|      | 1715            | 20000   | 10              | 16QAM      | 25      | 12        | 12.46                 | 0-2                       | 2        |
|      | 1715            | 20000   | 10              | 16QAM      | 25      | 25        | 12.50                 | 0-2                       | 2        |
|      | 1715            | 20000   | 10              | 16QAM      | 50      | 0         | 12.48                 | 0-2                       | 2        |
| Mid  | 1732.5          | 20175   | 10              | QPSK       | 1       | 0         | 14.37                 | 0                         | 0        |
|      | 1732.5          | 20175   | 10              | QPSK       | 1       | 25        | 14.43                 | 0                         | 0        |
|      | 1732.5          | 20175   | 10              | QPSK       | 1       | 49        | 14.00                 | 0                         | 0        |
|      | 1732.5          | 20175   | 10              | QPSK       | 25      | 0         | 13.24                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | QPSK       | 25      | 12        | 13.31                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | QPSK       | 25      | 25        | 13.25                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | QPSK       | 50      | 0         | 13.28                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 1       | 0         | 13.50                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 1       | 25        | 13.41                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 1       | 49        | 13.28                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 25      | 0         | 12.27                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 25      | 12        | 12.34                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 25      | 25        | 12.32                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 10              | 16QAM      | 50      | 0         | 12.27                 | 0-2                       | 2        |
| High | 1750            | 20350   | 10              | QPSK       | 1       | 0         | 14.20                 | 0                         | 0        |
|      | 1750            | 20350   | 10              | QPSK       | 1       | 25        | 14.21                 | 0                         | 0        |
|      | 1750            | 20350   | 10              | QPSK       | 1       | 49        | 14.33                 | 0                         | 0        |
|      | 1750            | 20350   | 10              | QPSK       | 25      | 0         | 13.11                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | QPSK       | 25      | 12        | 13.10                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | QPSK       | 25      | 25        | 13.12                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | QPSK       | 50      | 0         | 13.14                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | 16QAM      | 1       | 0         | 13.47                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | 16QAM      | 1       | 25        | 13.42                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | 16QAM      | 1       | 49        | 13.38                 | 0-1                       | 1        |
|      | 1750            | 20350   | 10              | 16QAM      | 25      | 0         | 12.17                 | 0-2                       | 2        |
|      | 1750            | 20350   | 10              | 16QAM      | 25      | 12        | 12.20                 | 0-2                       | 2        |
|      | 1750            | 20350   | 10              | 16QAM      | 25      | 25        | 12.16                 | 0-2                       | 2        |
|      | 1750            | 20350   | 10              | 16QAM      | 50      | 0         | 12.14                 | 0-2                       | 2        |

|                                             |                                                                                                                                                  |                                     |                                                                                       |                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br><small>ENGINEERING LABORATORY, INC.</small> | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                                        | <b>DUT Type:</b><br>Portable Tablet | Page 40 of 101                                                                        |                                        |

**Table 8-32**  
**LTE Band 4 (AWS) Conducted Powers - 5 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1712.5          | 19975   | 5               | QPSK       | 1       | 0         | 14.46                 | 0                         | 0        |
|      | 1712.5          | 19975   | 5               | QPSK       | 1       | 12        | 14.33                 | 0                         | 0        |
|      | 1712.5          | 19975   | 5               | QPSK       | 1       | 24        | 14.36                 | 0                         | 0        |
|      | 1712.5          | 19975   | 5               | QPSK       | 12      | 0         | 13.41                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | QPSK       | 12      | 6         | 13.47                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | QPSK       | 12      | 13        | 13.42                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | QPSK       | 25      | 0         | 13.44                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 1       | 0         | 13.47                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 1       | 12        | 13.45                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 1       | 24        | 13.47                 | 0-1                       | 1        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 12      | 0         | 12.29                 | 0-2                       | 2        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 12      | 6         | 12.43                 | 0-2                       | 2        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 12      | 13        | 12.24                 | 0-2                       | 2        |
|      | 1712.5          | 19975   | 5               | 16-QAM     | 25      | 0         | 12.21                 | 0-2                       | 2        |
| Mid  | 1732.5          | 20175   | 5               | QPSK       | 1       | 0         | 14.40                 | 0                         | 0        |
|      | 1732.5          | 20175   | 5               | QPSK       | 1       | 12        | 14.31                 | 0                         | 0        |
|      | 1732.5          | 20175   | 5               | QPSK       | 1       | 24        | 14.03                 | 0                         | 0        |
|      | 1732.5          | 20175   | 5               | QPSK       | 12      | 0         | 13.27                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | QPSK       | 12      | 6         | 13.34                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | QPSK       | 12      | 13        | 13.28                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | QPSK       | 25      | 0         | 13.31                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 1       | 0         | 13.24                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 1       | 12        | 13.20                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 1       | 24        | 13.42                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 12      | 0         | 12.30                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 12      | 6         | 12.37                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 12      | 13        | 12.35                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 5               | 16-QAM     | 25      | 0         | 12.30                 | 0-2                       | 2        |
| High | 1752.5          | 20375   | 5               | QPSK       | 1       | 0         | 14.23                 | 0                         | 0        |
|      | 1752.5          | 20375   | 5               | QPSK       | 1       | 12        | 14.24                 | 0                         | 0        |
|      | 1752.5          | 20375   | 5               | QPSK       | 1       | 24        | 14.36                 | 0                         | 0        |
|      | 1752.5          | 20375   | 5               | QPSK       | 12      | 0         | 13.14                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | QPSK       | 12      | 6         | 13.13                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | QPSK       | 12      | 13        | 13.15                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | QPSK       | 25      | 0         | 13.17                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 1       | 0         | 13.50                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 1       | 12        | 13.45                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 1       | 24        | 13.41                 | 0-1                       | 1        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 12      | 0         | 12.20                 | 0-2                       | 2        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 12      | 6         | 12.23                 | 0-2                       | 2        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 12      | 13        | 12.19                 | 0-2                       | 2        |
|      | 1752.5          | 20375   | 5               | 16-QAM     | 25      | 0         | 12.17                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 41 of 101                  |

**Table 8-33**  
**LTE Band 4 (AWS) Conducted Powers - 3 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1711.5          | 19965   | 3               | QPSK       | 1       | 0         | 14.36                 | 0                         | 0        |
|      | 1711.5          | 19965   | 3               | QPSK       | 1       | 7         | 14.39                 | 0                         | 0        |
|      | 1711.5          | 19965   | 3               | QPSK       | 1       | 14        | 14.37                 | 0                         | 0        |
|      | 1711.5          | 19965   | 3               | QPSK       | 8       | 0         | 13.20                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | QPSK       | 8       | 4         | 13.27                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | QPSK       | 8       | 7         | 13.24                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | QPSK       | 15      | 0         | 13.20                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 1       | 0         | 13.37                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 1       | 7         | 13.43                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 1       | 14        | 13.35                 | 0-1                       | 1        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 8       | 0         | 12.22                 | 0-2                       | 2        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 8       | 4         | 12.32                 | 0-2                       | 2        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 8       | 7         | 12.28                 | 0-2                       | 2        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 15      | 0         | 12.28                 | 0-2                       | 2        |
|      | 1711.5          | 19965   | 3               | 16-QAM     | 15      | 0         | 12.28                 | 0-2                       | 2        |
| Mid  | 1732.5          | 20175   | 3               | QPSK       | 1       | 0         | 14.22                 | 0                         | 0        |
|      | 1732.5          | 20175   | 3               | QPSK       | 1       | 7         | 14.38                 | 0                         | 0        |
|      | 1732.5          | 20175   | 3               | QPSK       | 1       | 14        | 14.24                 | 0                         | 0        |
|      | 1732.5          | 20175   | 3               | QPSK       | 8       | 0         | 13.22                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | QPSK       | 8       | 4         | 13.21                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | QPSK       | 8       | 7         | 13.27                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | QPSK       | 15      | 0         | 13.20                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 1       | 0         | 13.41                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 1       | 7         | 13.36                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 1       | 14        | 13.43                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 8       | 0         | 12.23                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 8       | 4         | 12.24                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 8       | 7         | 12.29                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 15      | 0         | 12.31                 | 0-2                       | 2        |
|      | 1732.5          | 20175   | 3               | 16-QAM     | 15      | 0         | 12.31                 | 0-2                       | 2        |
| High | 1753.5          | 20385   | 3               | QPSK       | 1       | 0         | 14.08                 | 0                         | 0        |
|      | 1753.5          | 20385   | 3               | QPSK       | 1       | 7         | 14.12                 | 0                         | 0        |
|      | 1753.5          | 20385   | 3               | QPSK       | 1       | 14        | 14.29                 | 0                         | 0        |
|      | 1753.5          | 20385   | 3               | QPSK       | 8       | 0         | 13.22                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | QPSK       | 8       | 4         | 13.31                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | QPSK       | 8       | 7         | 13.22                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | QPSK       | 15      | 0         | 13.41                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 1       | 0         | 13.17                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 1       | 7         | 13.26                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 1       | 14        | 13.27                 | 0-1                       | 1        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 8       | 0         | 12.02                 | 0-2                       | 2        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 8       | 4         | 12.34                 | 0-2                       | 2        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 8       | 7         | 12.33                 | 0-2                       | 2        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 15      | 0         | 12.02                 | 0-2                       | 2        |
|      | 1753.5          | 20385   | 3               | 16-QAM     | 15      | 0         | 12.02                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
| Page 42 of 101                       |                                                                                                                                                                                                        |                                 |

**Table 8-34**  
**LTE Band 4 (AWS) Conducted Powers - 1.4 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1710.7          | 19957   | 1.4             | QPSK       | 1       | 0         | 14.35                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 1       | 2         | 14.22                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 1       | 5         | 14.25                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 3       | 0         | 14.22                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 3       | 2         | 14.03                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 3       | 3         | 14.11                 | 0                         | 0        |
|      | 1710.7          | 19957   | 1.4             | QPSK       | 6       | 0         | 13.39                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 1       | 0         | 13.42                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 1       | 2         | 13.34                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 1       | 5         | 13.36                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 3       | 0         | 13.33                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 3       | 2         | 13.18                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 3       | 3         | 13.20                 | 0-1                       | 1        |
|      | 1710.7          | 19957   | 1.4             | 16-QAM     | 6       | 0         | 12.21                 | 0-2                       | 2        |
| Mid  | 1732.5          | 20175   | 1.4             | QPSK       | 1       | 0         | 14.29                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 1       | 2         | 14.35                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 1       | 5         | 14.03                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 3       | 0         | 14.31                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 3       | 2         | 14.12                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 3       | 3         | 14.11                 | 0                         | 0        |
|      | 1732.5          | 20175   | 1.4             | QPSK       | 6       | 0         | 13.20                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 1       | 0         | 13.42                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 1       | 2         | 13.33                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 1       | 5         | 13.20                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 3       | 0         | 13.03                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 3       | 2         | 13.15                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 3       | 3         | 13.48                 | 0-1                       | 1        |
|      | 1732.5          | 20175   | 1.4             | 16-QAM     | 6       | 0         | 12.19                 | 0-2                       | 2        |
| High | 1754.3          | 20393   | 1.4             | QPSK       | 1       | 0         | 14.12                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 1       | 2         | 14.13                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 1       | 5         | 14.25                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 3       | 0         | 14.03                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 3       | 2         | 14.28                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 3       | 3         | 14.31                 | 0                         | 0        |
|      | 1754.3          | 20393   | 1.4             | QPSK       | 6       | 0         | 13.06                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 1       | 0         | 13.39                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 1       | 2         | 13.34                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 1       | 5         | 13.30                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 3       | 0         | 13.01                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 3       | 2         | 13.16                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 3       | 3         | 13.11                 | 0-1                       | 1        |
|      | 1754.3          | 20393   | 1.4             | 16-QAM     | 6       | 0         | 12.06                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
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## 8.2.5

## LTE Band 2 (PCS)

**Table 8-35**  
**LTE Band 2 (PCS) Conducted Powers - 20 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1860            | 18700   | 20              | QPSK       | 1       | 0         | 23.13                 | 0                         | 0        |
|      | 1860            | 18700   | 20              | QPSK       | 1       | 50        | 23.27                 | 0                         | 0        |
|      | 1860            | 18700   | 20              | QPSK       | 1       | 99        | 23.36                 | 0                         | 0        |
|      | 1860            | 18700   | 20              | QPSK       | 50      | 0         | 22.00                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | QPSK       | 50      | 25        | 22.16                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | QPSK       | 50      | 50        | 22.19                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | QPSK       | 100     | 0         | 22.09                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | 16QAM      | 1       | 0         | 22.35                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | 16QAM      | 1       | 50        | 22.33                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | 16QAM      | 1       | 99        | 22.45                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | 16QAM      | 50      | 0         | 21.14                 | 0-2                       | 2        |
|      | 1860            | 18700   | 20              | 16QAM      | 50      | 25        | 21.08                 | 0-2                       | 2        |
|      | 1860            | 18700   | 20              | 16QAM      | 50      | 50        | 21.09                 | 0-2                       | 2        |
|      | 1860            | 18700   | 20              | 16QAM      | 100     | 0         | 20.99                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 20              | QPSK       | 1       | 0         | 23.35                 | 0                         | 0        |
|      | 1880.0          | 18900   | 20              | QPSK       | 1       | 50        | 23.34                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 20              | QPSK       | 1       | 99        | 23.32                 | 0                         | 0        |
|      | 1880.0          | 18900   | 20              | QPSK       | 50      | 0         | 21.95                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | QPSK       | 50      | 25        | 22.03                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | QPSK       | 50      | 50        | 21.99                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | QPSK       | 100     | 0         | 21.97                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 1       | 0         | 22.50                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 1       | 50        | 22.40                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 1       | 99        | 22.49                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 50      | 0         | 20.99                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 50      | 25        | 21.04                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 50      | 50        | 21.03                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 100     | 0         | 20.91                 | 0-2                       | 2        |
|      | 1900            | 19100   | 20              | QPSK       | 1       | 0         | 23.11                 | 0                         | 0        |
|      | 1900            | 19100   | 20              | QPSK       | 1       | 50        | 23.15                 | 0                         | 0        |
|      | 1900            | 19100   | 20              | QPSK       | 1       | 99        | 23.33                 | 0                         | 0        |
| High | 1900            | 19100   | 20              | QPSK       | 50      | 0         | 21.93                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | QPSK       | 50      | 25        | 21.90                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | QPSK       | 50      | 50        | 21.95                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | QPSK       | 100     | 0         | 21.89                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | 16QAM      | 1       | 0         | 22.32                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | 16QAM      | 1       | 50        | 22.25                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | 16QAM      | 1       | 99        | 22.34                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | 16QAM      | 50      | 0         | 20.92                 | 0-2                       | 2        |
|      | 1900            | 19100   | 20              | 16QAM      | 50      | 25        | 20.89                 | 0-2                       | 2        |
|      | 1900            | 19100   | 20              | 16QAM      | 50      | 50        | 20.96                 | 0-2                       | 2        |
|      | 1900            | 19100   | 20              | 16QAM      | 100     | 0         | 20.89                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 44 of 101                  |

**Table 8-36**  
**LTE Band 2 (PCS) Conducted Powers - 15 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1857.5          | 18675   | 15              | QPSK       | 1       | 0         | 23.48                 | 0                         | 0        |
|      | 1857.5          | 18675   | 15              | QPSK       | 1       | 36        | 23.42                 | 0                         | 0        |
|      | 1857.5          | 18675   | 15              | QPSK       | 1       | 74        | 23.46                 | 0                         | 0        |
|      | 1857.5          | 18675   | 15              | QPSK       | 36      | 0         | 22.03                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | QPSK       | 36      | 18        | 22.17                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | QPSK       | 36      | 37        | 22.10                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | QPSK       | 75      | 0         | 22.06                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 1       | 0         | 22.32                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 1       | 36        | 22.45                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 1       | 74        | 22.42                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 36      | 0         | 20.94                 | 0-2                       | 2        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 36      | 18        | 21.04                 | 0-2                       | 2        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 36      | 37        | 21.08                 | 0-2                       | 2        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 75      | 0         | 21.06                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 15              | QPSK       | 1       | 0         | 23.25                 | 0                         | 0        |
|      | 1880.0          | 18900   | 15              | QPSK       | 1       | 36        | 23.29                 | 0                         | 0        |
|      | 1880.0          | 18900   | 15              | QPSK       | 1       | 74        | 23.27                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 15              | QPSK       | 36      | 0         | 22.05                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | QPSK       | 36      | 18        | 22.09                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | QPSK       | 36      | 37        | 22.11                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | QPSK       | 75      | 0         | 22.01                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 1       | 0         | 22.45                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 1       | 36        | 22.40                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 1       | 74        | 22.38                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 36      | 0         | 21.07                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 36      | 18        | 20.97                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 36      | 37        | 20.98                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 75      | 0         | 20.99                 | 0-2                       | 2        |
| High | 1902.5          | 19125   | 15              | QPSK       | 1       | 0         | 23.23                 | 0                         | 0        |
|      | 1902.5          | 19125   | 15              | QPSK       | 1       | 36        | 23.13                 | 0                         | 0        |
|      | 1902.5          | 19125   | 15              | QPSK       | 1       | 74        | 23.20                 | 0                         | 0        |
|      | 1902.5          | 19125   | 15              | QPSK       | 36      | 0         | 21.76                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | QPSK       | 36      | 18        | 21.83                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | QPSK       | 36      | 37        | 21.89                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | QPSK       | 75      | 0         | 21.84                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 1       | 0         | 22.23                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 1       | 36        | 22.13                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 1       | 74        | 22.19                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 36      | 0         | 20.79                 | 0-2                       | 2        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 36      | 18        | 20.78                 | 0-2                       | 2        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 36      | 37        | 20.84                 | 0-2                       | 2        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 75      | 0         | 20.81                 | 0-2                       | 2        |

|                                      |                                    |                                                                                                                                                                                                        |                                 |
|--------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |                                    |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15 | DUT Type:<br>Portable Tablet                                                                                                                                                                           | Page 45 of 101                  |

**Table 8-37**  
**LTE Band 2 (PCS) Conducted Powers - 10 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1855            | 18650   | 10              | QPSK       | 1       | 0         | 23.47                 | 0                         | 0        |
|      | 1855            | 18650   | 10              | QPSK       | 1       | 25        | 23.49                 | 0                         | 0        |
|      | 1855            | 18650   | 10              | QPSK       | 1       | 49        | 23.48                 | 0                         | 0        |
|      | 1855            | 18650   | 10              | QPSK       | 25      | 0         | 22.05                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | QPSK       | 25      | 12        | 22.08                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | QPSK       | 25      | 25        | 22.22                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | QPSK       | 50      | 0         | 22.10                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | 16QAM      | 1       | 0         | 22.35                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | 16QAM      | 1       | 25        | 22.42                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | 16QAM      | 1       | 49        | 22.45                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | 16QAM      | 25      | 0         | 21.02                 | 0-2                       | 2        |
|      | 1855            | 18650   | 10              | 16QAM      | 25      | 12        | 21.12                 | 0-2                       | 2        |
|      | 1855            | 18650   | 10              | 16QAM      | 25      | 25        | 21.15                 | 0-2                       | 2        |
|      | 1855            | 18650   | 10              | 16QAM      | 50      | 0         | 21.13                 | 0-2                       | 2        |
| Mid  | 1880.0          | 18900   | 10              | QPSK       | 1       | 0         | 23.21                 | 0                         | 0        |
|      | 1880.0          | 18900   | 10              | QPSK       | 1       | 25        | 23.29                 | 0                         | 0        |
|      | 1880.0          | 18900   | 10              | QPSK       | 1       | 49        | 23.26                 | 0                         | 0        |
|      | 1880.0          | 18900   | 10              | QPSK       | 25      | 0         | 21.87                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | QPSK       | 25      | 12        | 21.96                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | QPSK       | 25      | 25        | 21.93                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | QPSK       | 50      | 0         | 21.90                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 1       | 0         | 22.13                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 1       | 25        | 22.15                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 1       | 49        | 22.26                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 25      | 0         | 20.85                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 25      | 12        | 20.92                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 25      | 25        | 20.90                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 50      | 0         | 20.81                 | 0-2                       | 2        |
| High | 1905            | 19150   | 10              | QPSK       | 1       | 0         | 23.05                 | 0                         | 0        |
|      | 1905            | 19150   | 10              | QPSK       | 1       | 25        | 23.14                 | 0                         | 0        |
|      | 1905            | 19150   | 10              | QPSK       | 1       | 49        | 23.05                 | 0                         | 0        |
|      | 1905            | 19150   | 10              | QPSK       | 25      | 0         | 21.69                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | QPSK       | 25      | 12        | 21.63                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | QPSK       | 25      | 25        | 21.78                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | QPSK       | 50      | 0         | 21.75                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | 16QAM      | 1       | 0         | 21.90                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | 16QAM      | 1       | 25        | 21.98                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | 16QAM      | 1       | 49        | 21.94                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | 16QAM      | 25      | 0         | 20.66                 | 0-2                       | 2        |
|      | 1905            | 19150   | 10              | 16QAM      | 25      | 12        | 20.69                 | 0-2                       | 2        |
|      | 1905            | 19150   | 10              | 16QAM      | 25      | 25        | 20.78                 | 0-2                       | 2        |
|      | 1905            | 19150   | 10              | 16QAM      | 50      | 0         | 20.66                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
| Page 46 of 101                       |                                                                                                                                                                                                        |                                 |

**Table 8-38**  
**LTE Band 2 (PCS) Conducted Powers - 5 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1852.5          | 18625   | 5               | QPSK       | 1       | 0         | 23.35                 | 0                         | 0        |
|      | 1852.5          | 18625   | 5               | QPSK       | 1       | 12        | 23.47                 | 0                         | 0        |
|      | 1852.5          | 18625   | 5               | QPSK       | 1       | 24        | 23.49                 | 0                         | 0        |
|      | 1852.5          | 18625   | 5               | QPSK       | 12      | 0         | 22.22                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | QPSK       | 12      | 6         | 22.24                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | QPSK       | 12      | 13        | 22.31                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | QPSK       | 25      | 0         | 22.20                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 1       | 0         | 22.45                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 1       | 12        | 22.49                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 1       | 24        | 22.48                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 12      | 0         | 21.12                 | 0-2                       | 2        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 12      | 6         | 21.23                 | 0-2                       | 2        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 12      | 13        | 21.26                 | 0-2                       | 2        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 25      | 0         | 21.14                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 5               | QPSK       | 1       | 0         | 23.25                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 5               | QPSK       | 1       | 12        | 23.32                 | 0                         | 0        |
|      | 1880.0          | 18900   | 5               | QPSK       | 1       | 24        | 23.44                 | 0                         | 0        |
|      | 1880.0          | 18900   | 5               | QPSK       | 12      | 0         | 21.95                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | QPSK       | 12      | 6         | 21.97                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | QPSK       | 12      | 13        | 21.91                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | QPSK       | 25      | 0         | 21.94                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 1       | 0         | 22.22                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 1       | 12        | 22.21                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 1       | 24        | 22.23                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 12      | 0         | 20.87                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 12      | 6         | 20.89                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 12      | 13        | 20.94                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 25      | 0         | 21.00                 | 0-2                       | 2        |
|      | 1907.5          | 19175   | 5               | QPSK       | 1       | 0         | 23.00                 | 0                         | 0        |
|      | 1907.5          | 19175   | 5               | QPSK       | 1       | 12        | 23.11                 | 0                         | 0        |
| High | 1907.5          | 19175   | 5               | QPSK       | 1       | 24        | 23.05                 | 0                         | 0        |
|      | 1907.5          | 19175   | 5               | QPSK       | 12      | 0         | 21.66                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | QPSK       | 12      | 6         | 21.70                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | QPSK       | 12      | 13        | 21.67                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | QPSK       | 25      | 0         | 21.67                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 1       | 0         | 21.69                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 1       | 12        | 21.90                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 1       | 24        | 21.85                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 12      | 0         | 20.85                 | 0-2                       | 2        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 12      | 6         | 20.78                 | 0-2                       | 2        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 12      | 13        | 20.77                 | 0-2                       | 2        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 25      | 0         | 20.66                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 47 of 101                  |

**Table 8-39**  
**LTE Band 2 (PCS) Conducted Powers - 3 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1851.5          | 18615   | 3               | QPSK       | 1       | 0         | 23.49                 | 0                         | 0        |
|      | 1851.5          | 18615   | 3               | QPSK       | 1       | 7         | 23.48                 | 0                         | 0        |
|      | 1851.5          | 18615   | 3               | QPSK       | 1       | 14        | 23.48                 | 0                         | 0        |
|      | 1851.5          | 18615   | 3               | QPSK       | 8       | 0         | 22.20                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | QPSK       | 8       | 4         | 22.25                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | QPSK       | 8       | 7         | 22.33                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | QPSK       | 15      | 0         | 22.25                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 1       | 0         | 22.30                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 1       | 7         | 22.29                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 1       | 14        | 22.36                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 8       | 0         | 21.22                 | 0-2                       | 2        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 8       | 4         | 21.29                 | 0-2                       | 2        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 8       | 7         | 21.30                 | 0-2                       | 2        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 15      | 0         | 21.33                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 3               | QPSK       | 1       | 0         | 23.30                 | 0                         | 0        |
|      | 1880.0          | 18900   | 3               | QPSK       | 1       | 7         | 23.34                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 3               | QPSK       | 1       | 14        | 23.26                 | 0                         | 0        |
|      | 1880.0          | 18900   | 3               | QPSK       | 8       | 0         | 21.96                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | QPSK       | 8       | 4         | 21.95                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | QPSK       | 8       | 7         | 22.02                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | QPSK       | 15      | 0         | 21.95                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 1       | 0         | 22.20                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 1       | 7         | 22.13                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 1       | 14        | 22.19                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 8       | 0         | 20.81                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 8       | 4         | 20.84                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 8       | 7         | 20.88                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 15      | 0         | 20.81                 | 0-2                       | 2        |
|      | 1908.5          | 19185   | 3               | QPSK       | 1       | 0         | 23.13                 | 0                         | 0        |
|      | 1908.5          | 19185   | 3               | QPSK       | 1       | 7         | 23.23                 | 0                         | 0        |
|      | 1908.5          | 19185   | 3               | QPSK       | 1       | 14        | 23.18                 | 0                         | 0        |
|      | 1908.5          | 19185   | 3               | QPSK       | 8       | 0         | 21.80                 | 0-1                       | 1        |
| High | 1908.5          | 19185   | 3               | QPSK       | 8       | 4         | 21.84                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | QPSK       | 8       | 7         | 21.67                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | QPSK       | 15      | 0         | 21.91                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 1       | 0         | 22.05                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 1       | 7         | 22.09                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 1       | 14        | 22.00                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 8       | 0         | 20.71                 | 0-2                       | 2        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 8       | 4         | 20.74                 | 0-2                       | 2        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 8       | 7         | 20.65                 | 0-2                       | 2        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 15      | 0         | 20.69                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
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**Table 8-40**  
**LTE Band 2 (PCS) Conducted Powers - 1.4 MHz Bandwidth**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1850.7          | 18607   | 1.4             | QPSK       | 1       | 0         | 23.48                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 1       | 2         | 23.49                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 1       | 5         | 23.46                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 3       | 0         | 23.41                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 3       | 2         | 23.43                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 3       | 3         | 23.46                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 6       | 0         | 22.39                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 1       | 0         | 22.40                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 1       | 2         | 22.43                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 1       | 5         | 22.48                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 3       | 0         | 22.24                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 3       | 2         | 22.43                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 3       | 3         | 22.47                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 6       | 0         | 21.16                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 1       | 0         | 23.33                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 1       | 2         | 23.42                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 1       | 5         | 23.39                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 1.4             | QPSK       | 3       | 0         | 23.07                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 3       | 2         | 23.13                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 3       | 3         | 23.18                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 6       | 0         | 21.86                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 1       | 0         | 22.30                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 1       | 2         | 22.39                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 1       | 5         | 22.37                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 3       | 0         | 21.94                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 3       | 2         | 21.97                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 3       | 3         | 22.00                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 6       | 0         | 20.88                 | 0-2                       | 2        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 1       | 0         | 23.18                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 1       | 2         | 23.14                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 1       | 5         | 23.20                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 3       | 0         | 23.03                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 3       | 2         | 23.02                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 3       | 3         | 23.04                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 6       | 0         | 21.87                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 1       | 0         | 22.23                 | 0-1                       | 1        |
| High | 1909.3          | 19193   | 1.4             | 16-QAM     | 1       | 2         | 22.46                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 1       | 5         | 22.36                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 3       | 0         | 22.02                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 3       | 2         | 22.00                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 3       | 3         | 21.93                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 6       | 0         | 20.81                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
| Page 49 of 101                       |                                                                                                                                                                                                        |                                 |

**Table 8-41**  
**LTE Band 2 (PCS) Conducted Powers - 20 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1860            | 18700   | 20              | QPSK       | 1       | 0         | 15.04                 | 0                         | 0        |
|      | 1860            | 18700   | 20              | QPSK       | 1       | 50        | 14.99                 | 0                         | 0        |
|      | 1860            | 18700   | 20              | QPSK       | 1       | 99        | 15.07                 | 0                         | 0        |
|      | 1860            | 18700   | 20              | QPSK       | 50      | 0         | 13.76                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | QPSK       | 50      | 25        | 13.89                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | QPSK       | 50      | 50        | 13.92                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | QPSK       | 100     | 0         | 13.80                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | 16QAM      | 1       | 0         | 13.84                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | 16QAM      | 1       | 50        | 13.90                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | 16QAM      | 1       | 99        | 14.20                 | 0-1                       | 1        |
|      | 1860            | 18700   | 20              | 16QAM      | 50      | 0         | 12.82                 | 0-2                       | 2        |
|      | 1860            | 18700   | 20              | 16QAM      | 50      | 25        | 12.90                 | 0-2                       | 2        |
|      | 1860            | 18700   | 20              | 16QAM      | 50      | 50        | 12.93                 | 0-2                       | 2        |
|      | 1860            | 18700   | 20              | 16QAM      | 100     | 0         | 12.79                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 20              | QPSK       | 1       | 0         | 15.46                 | 0                         | 0        |
|      | 1880.0          | 18900   | 20              | QPSK       | 1       | 50        | 15.45                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 20              | QPSK       | 1       | 99        | 15.43                 | 0                         | 0        |
|      | 1880.0          | 18900   | 20              | QPSK       | 50      | 0         | 14.21                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | QPSK       | 50      | 25        | 14.25                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | QPSK       | 50      | 50        | 14.25                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | QPSK       | 100     | 0         | 14.15                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 1       | 0         | 14.09                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 1       | 50        | 14.27                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 1       | 99        | 14.26                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 50      | 0         | 13.22                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 50      | 25        | 13.27                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 50      | 50        | 13.28                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 20              | 16QAM      | 100     | 0         | 13.15                 | 0-2                       | 2        |
| High | 1900            | 19100   | 20              | QPSK       | 1       | 0         | 15.43                 | 0                         | 0        |
|      | 1900            | 19100   | 20              | QPSK       | 1       | 50        | 15.44                 | 0                         | 0        |
|      | 1900            | 19100   | 20              | QPSK       | 1       | 99        | 15.50                 | 0                         | 0        |
|      | 1900            | 19100   | 20              | QPSK       | 50      | 0         | 14.26                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | QPSK       | 50      | 25        | 14.13                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | QPSK       | 50      | 50        | 14.11                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | QPSK       | 100     | 0         | 14.12                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | 16QAM      | 1       | 0         | 14.24                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | 16QAM      | 1       | 50        | 14.13                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | 16QAM      | 1       | 99        | 14.39                 | 0-1                       | 1        |
|      | 1900            | 19100   | 20              | 16QAM      | 50      | 0         | 13.21                 | 0-2                       | 2        |
|      | 1900            | 19100   | 20              | 16QAM      | 50      | 25        | 13.12                 | 0-2                       | 2        |
|      | 1900            | 19100   | 20              | 16QAM      | 50      | 50        | 13.24                 | 0-2                       | 2        |
|      | 1900            | 19100   | 20              | 16QAM      | 100     | 0         | 13.13                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 50 of 101                  |

**Table 8-42**  
**LTE Band 2 (PCS) Conducted Powers - 15 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1857.5          | 18675   | 15              | QPSK       | 1       | 0         | 15.30                 | 0                         | 0        |
|      | 1857.5          | 18675   | 15              | QPSK       | 1       | 36        | 15.25                 | 0                         | 0        |
|      | 1857.5          | 18675   | 15              | QPSK       | 1       | 74        | 15.33                 | 0                         | 0        |
|      | 1857.5          | 18675   | 15              | QPSK       | 36      | 0         | 14.02                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | QPSK       | 36      | 18        | 14.15                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | QPSK       | 36      | 37        | 14.18                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | QPSK       | 75      | 0         | 14.06                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 1       | 0         | 14.10                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 1       | 36        | 14.16                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 1       | 74        | 14.46                 | 0-1                       | 1        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 36      | 0         | 13.08                 | 0-2                       | 2        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 36      | 18        | 13.16                 | 0-2                       | 2        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 36      | 37        | 13.19                 | 0-2                       | 2        |
|      | 1857.5          | 18675   | 15              | 16QAM      | 75      | 0         | 13.05                 | 0-2                       | 2        |
| Mid  | 1880.0          | 18900   | 15              | QPSK       | 1       | 0         | 15.49                 | 0                         | 0        |
|      | 1880.0          | 18900   | 15              | QPSK       | 1       | 36        | 15.40                 | 0                         | 0        |
|      | 1880.0          | 18900   | 15              | QPSK       | 1       | 74        | 15.48                 | 0                         | 0        |
|      | 1880.0          | 18900   | 15              | QPSK       | 36      | 0         | 14.19                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | QPSK       | 36      | 18        | 14.42                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | QPSK       | 36      | 37        | 14.46                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | QPSK       | 75      | 0         | 14.41                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 1       | 0         | 14.44                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 1       | 36        | 14.20                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 1       | 74        | 14.46                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 36      | 0         | 13.46                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 36      | 18        | 13.47                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 36      | 37        | 13.48                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 15              | 16QAM      | 75      | 0         | 13.50                 | 0-2                       | 2        |
| High | 1902.5          | 19125   | 15              | QPSK       | 1       | 0         | 15.37                 | 0                         | 0        |
|      | 1902.5          | 19125   | 15              | QPSK       | 1       | 36        | 15.38                 | 0                         | 0        |
|      | 1902.5          | 19125   | 15              | QPSK       | 1       | 74        | 15.44                 | 0                         | 0        |
|      | 1902.5          | 19125   | 15              | QPSK       | 36      | 0         | 14.20                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | QPSK       | 36      | 18        | 14.07                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | QPSK       | 36      | 37        | 14.05                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | QPSK       | 75      | 0         | 14.06                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 1       | 0         | 14.18                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 1       | 36        | 14.07                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 1       | 74        | 14.33                 | 0-1                       | 1        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 36      | 0         | 13.15                 | 0-2                       | 2        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 36      | 18        | 13.06                 | 0-2                       | 2        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 36      | 37        | 13.18                 | 0-2                       | 2        |
|      | 1902.5          | 19125   | 15              | 16QAM      | 75      | 0         | 13.07                 | 0-2                       | 2        |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 51 of 101                  |

**Table 8-43**  
**LTE Band 2 (PCS) Conducted Powers - 10 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1855            | 18650   | 10              | QPSK       | 1       | 0         | 15.23                 | 0                         | 0        |
|      | 1855            | 18650   | 10              | QPSK       | 1       | 25        | 15.18                 | 0                         | 0        |
|      | 1855            | 18650   | 10              | QPSK       | 1       | 49        | 15.26                 | 0                         | 0        |
|      | 1855            | 18650   | 10              | QPSK       | 25      | 0         | 14.00                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | QPSK       | 25      | 12        | 14.08                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | QPSK       | 25      | 25        | 14.11                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | QPSK       | 50      | 0         | 14.29                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | 16QAM      | 1       | 0         | 14.03                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | 16QAM      | 1       | 25        | 14.09                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | 16QAM      | 1       | 49        | 14.39                 | 0-1                       | 1        |
|      | 1855            | 18650   | 10              | 16QAM      | 25      | 0         | 13.01                 | 0-2                       | 2        |
|      | 1855            | 18650   | 10              | 16QAM      | 25      | 12        | 13.09                 | 0-2                       | 2        |
|      | 1855            | 18650   | 10              | 16QAM      | 25      | 25        | 13.12                 | 0-2                       | 2        |
|      | 1855            | 18650   | 10              | 16QAM      | 50      | 0         | 13.03                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 10              | QPSK       | 1       | 0         | 15.43                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 10              | QPSK       | 1       | 25        | 15.42                 | 0                         | 0        |
|      | 1880.0          | 18900   | 10              | QPSK       | 1       | 49        | 15.40                 | 0                         | 0        |
|      | 1880.0          | 18900   | 10              | QPSK       | 25      | 0         | 14.18                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | QPSK       | 25      | 12        | 14.22                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | QPSK       | 25      | 25        | 14.22                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | QPSK       | 50      | 0         | 14.12                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 1       | 0         | 14.06                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 1       | 25        | 14.24                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 1       | 49        | 14.23                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 25      | 0         | 13.19                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 25      | 12        | 13.24                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 25      | 25        | 13.25                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 10              | 16QAM      | 50      | 0         | 13.12                 | 0-2                       | 2        |
|      | 1905            | 19150   | 10              | QPSK       | 1       | 0         | 15.34                 | 0                         | 0        |
|      | 1905            | 19150   | 10              | QPSK       | 1       | 25        | 15.35                 | 0                         | 0        |
| High | 1905            | 19150   | 10              | QPSK       | 1       | 49        | 15.41                 | 0                         | 0        |
|      | 1905            | 19150   | 10              | QPSK       | 25      | 0         | 14.17                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | QPSK       | 25      | 12        | 14.04                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | QPSK       | 25      | 25        | 14.02                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | QPSK       | 50      | 0         | 14.03                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | 16QAM      | 1       | 0         | 14.15                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | 16QAM      | 1       | 25        | 14.04                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | 16QAM      | 1       | 49        | 14.30                 | 0-1                       | 1        |
|      | 1905            | 19150   | 10              | 16QAM      | 25      | 0         | 13.12                 | 0-2                       | 2        |
|      | 1905            | 19150   | 10              | 16QAM      | 25      | 12        | 13.03                 | 0-2                       | 2        |
|      | 1905            | 19150   | 10              | 16QAM      | 25      | 25        | 13.15                 | 0-2                       | 2        |
|      | 1905            | 19150   | 10              | 16QAM      | 50      | 0         | 13.04                 | 0-2                       | 2        |

|                                             |                                                                                                                                                  |                                     |                                                                                       |                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br><small>ENGINEERING LABORATORY, INC.</small> | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                                        | <b>DUT Type:</b><br>Portable Tablet | Page 52 of 101                                                                        |                                        |

**Table 8-44**  
**LTE Band 2 (PCS) Conducted Powers - 5 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1852.5          | 18625   | 5               | QPSK       | 1       | 0         | 15.31                 | 0                         | 0        |
|      | 1852.5          | 18625   | 5               | QPSK       | 1       | 12        | 15.26                 | 0                         | 0        |
|      | 1852.5          | 18625   | 5               | QPSK       | 1       | 24        | 15.34                 | 0                         | 0        |
|      | 1852.5          | 18625   | 5               | QPSK       | 12      | 0         | 14.08                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | QPSK       | 12      | 6         | 14.16                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | QPSK       | 12      | 13        | 14.19                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | QPSK       | 25      | 0         | 14.37                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 1       | 0         | 14.11                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 1       | 12        | 14.17                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 1       | 24        | 14.47                 | 0-1                       | 1        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 12      | 0         | 13.09                 | 0-2                       | 2        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 12      | 6         | 13.17                 | 0-2                       | 2        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 12      | 13        | 13.20                 | 0-2                       | 2        |
|      | 1852.5          | 18625   | 5               | 16-QAM     | 25      | 0         | 13.11                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 5               | QPSK       | 1       | 0         | 15.37                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 5               | QPSK       | 1       | 12        | 15.36                 | 0                         | 0        |
|      | 1880.0          | 18900   | 5               | QPSK       | 1       | 24        | 15.34                 | 0                         | 0        |
|      | 1880.0          | 18900   | 5               | QPSK       | 12      | 0         | 14.12                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | QPSK       | 12      | 6         | 14.16                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | QPSK       | 12      | 13        | 14.16                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | QPSK       | 25      | 0         | 14.06                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 1       | 0         | 14.00                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 1       | 12        | 14.18                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 1       | 24        | 14.17                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 12      | 0         | 13.13                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 12      | 6         | 13.18                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 12      | 13        | 13.19                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 5               | 16-QAM     | 25      | 0         | 13.06                 | 0-2                       | 2        |
|      | 1907.5          | 19175   | 5               | QPSK       | 1       | 0         | 15.41                 | 0                         | 0        |
|      | 1907.5          | 19175   | 5               | QPSK       | 1       | 12        | 15.42                 | 0                         | 0        |
|      | 1907.5          | 19175   | 5               | QPSK       | 1       | 24        | 15.48                 | 0                         | 0        |
| High | 1907.5          | 19175   | 5               | QPSK       | 12      | 0         | 14.24                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | QPSK       | 12      | 6         | 14.22                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | QPSK       | 12      | 13        | 14.09                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | QPSK       | 25      | 0         | 14.10                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 1       | 0         | 14.21                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 1       | 12        | 14.11                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 1       | 24        | 14.37                 | 0-1                       | 1        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 12      | 0         | 13.19                 | 0-2                       | 2        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 12      | 6         | 13.07                 | 0-2                       | 2        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 12      | 13        | 13.20                 | 0-2                       | 2        |
|      | 1907.5          | 19175   | 5               | 16-QAM     | 25      | 0         | 13.11                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
| Page 53 of 101                       |                                                                                                                                                                                                        |                                 |

**Table 8-45**  
**LTE Band 2 (PCS) Conducted Powers - 3 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1851.5          | 18615   | 3               | QPSK       | 1       | 0         | 15.22                 | 0                         | 0        |
|      | 1851.5          | 18615   | 3               | QPSK       | 1       | 7         | 15.17                 | 0                         | 0        |
|      | 1851.5          | 18615   | 3               | QPSK       | 1       | 14        | 15.25                 | 0                         | 0        |
|      | 1851.5          | 18615   | 3               | QPSK       | 8       | 0         | 13.94                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | QPSK       | 8       | 4         | 14.07                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | QPSK       | 8       | 7         | 14.10                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | QPSK       | 15      | 0         | 14.11                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 1       | 0         | 14.02                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 1       | 7         | 14.08                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 1       | 14        | 14.38                 | 0-1                       | 1        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 8       | 0         | 13.00                 | 0-2                       | 2        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 8       | 4         | 13.08                 | 0-2                       | 2        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 8       | 7         | 13.11                 | 0-2                       | 2        |
|      | 1851.5          | 18615   | 3               | 16-QAM     | 15      | 0         | 13.08                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 3               | QPSK       | 1       | 0         | 15.41                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 3               | QPSK       | 1       | 7         | 15.32                 | 0                         | 0        |
|      | 1880.0          | 18900   | 3               | QPSK       | 1       | 14        | 15.40                 | 0                         | 0        |
|      | 1880.0          | 18900   | 3               | QPSK       | 8       | 0         | 14.11                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | QPSK       | 8       | 4         | 14.34                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | QPSK       | 8       | 7         | 14.38                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | QPSK       | 15      | 0         | 14.33                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 1       | 0         | 14.36                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 1       | 7         | 14.12                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 1       | 14        | 14.38                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 8       | 0         | 13.42                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 8       | 4         | 13.39                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 8       | 7         | 13.38                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 3               | 16-QAM     | 15      | 0         | 13.42                 | 0-2                       | 2        |
|      | 1908.5          | 19185   | 3               | QPSK       | 1       | 0         | 15.29                 | 0                         | 0        |
|      | 1908.5          | 19185   | 3               | QPSK       | 1       | 7         | 15.30                 | 0                         | 0        |
| High | 1908.5          | 19185   | 3               | QPSK       | 1       | 14        | 15.36                 | 0                         | 0        |
|      | 1908.5          | 19185   | 3               | QPSK       | 8       | 0         | 14.12                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | QPSK       | 8       | 4         | 14.09                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | QPSK       | 8       | 7         | 14.22                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | QPSK       | 15      | 0         | 14.03                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 1       | 0         | 14.10                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 1       | 7         | 13.99                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 1       | 14        | 14.25                 | 0-1                       | 1        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 8       | 0         | 13.07                 | 0-2                       | 2        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 8       | 4         | 12.98                 | 0-2                       | 2        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 8       | 7         | 13.10                 | 0-2                       | 2        |
|      | 1908.5          | 19185   | 3               | 16-QAM     | 15      | 0         | 12.99                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
| Page 54 of 101                       |                                                                                                                                                                                                        |                                 |

**Table 8-46**  
**LTE Band 2 (PCS) Conducted Powers - 1.4 MHz Bandwidth**  
**Reduced Power – Body at 0.0 cm**

|      | Frequency [MHz] | Channel | Bandwidth [MHz] | Modulation | RB Size | RB Offset | Conducted Power [dBm] | MPR Allowed per 3GPP [dB] | MPR [dB] |
|------|-----------------|---------|-----------------|------------|---------|-----------|-----------------------|---------------------------|----------|
| Low  | 1850.7          | 18607   | 1.4             | QPSK       | 1       | 0         | 15.23                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 1       | 2         | 15.18                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 1       | 5         | 15.26                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 3       | 0         | 15.03                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 3       | 2         | 15.19                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 3       | 3         | 15.28                 | 0                         | 0        |
|      | 1850.7          | 18607   | 1.4             | QPSK       | 6       | 0         | 14.03                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 1       | 0         | 14.03                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 1       | 2         | 14.09                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 1       | 5         | 14.39                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 3       | 0         | 14.24                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 3       | 2         | 14.21                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 3       | 3         | 14.32                 | 0-1                       | 1        |
|      | 1850.7          | 18607   | 1.4             | 16-QAM     | 6       | 0         | 12.98                 | 0-2                       | 2        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 1       | 0         | 15.42                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 1       | 2         | 15.33                 | 0                         | 0        |
| Mid  | 1880.0          | 18900   | 1.4             | QPSK       | 1       | 5         | 15.41                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 3       | 0         | 15.32                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 3       | 2         | 15.23                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 3       | 3         | 15.03                 | 0                         | 0        |
|      | 1880.0          | 18900   | 1.4             | QPSK       | 6       | 0         | 14.34                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 1       | 0         | 14.37                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 1       | 2         | 14.13                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 1       | 5         | 14.39                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 3       | 0         | 14.38                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 3       | 2         | 14.32                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 3       | 3         | 14.22                 | 0-1                       | 1        |
|      | 1880.0          | 18900   | 1.4             | 16-QAM     | 6       | 0         | 13.43                 | 0-2                       | 2        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 1       | 0         | 15.30                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 1       | 2         | 15.31                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 1       | 5         | 15.37                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 3       | 0         | 15.28                 | 0                         | 0        |
| High | 1909.3          | 19193   | 1.4             | QPSK       | 3       | 2         | 15.22                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 3       | 3         | 14.99                 | 0                         | 0        |
|      | 1909.3          | 19193   | 1.4             | QPSK       | 6       | 0         | 13.99                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 1       | 0         | 14.11                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 1       | 2         | 14.00                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 1       | 5         | 14.26                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 3       | 0         | 14.03                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 3       | 2         | 14.11                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 3       | 3         | 14.28                 | 0-1                       | 1        |
|      | 1909.3          | 19193   | 1.4             | 16-QAM     | 6       | 0         | 13.00                 | 0-2                       | 2        |

|                                      |                                                                                                                                                                                                        |                                 |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>SAR EVALUATION REPORT</b>  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                                                                     | DUT Type:<br>Portable Tablet    |
| Page 55 of 101                       |                                                                                                                                                                                                        |                                 |

## 8.2.6 LTE Carrier Aggregation Conducted Powers

Table 8-47  
LTE Carrier Aggregation Conducted Powers

| PCC      |                     |                          |                  |            |                  | SCC      |                     |                          |                  | Power                     |                           |
|----------|---------------------|--------------------------|------------------|------------|------------------|----------|---------------------|--------------------------|------------------|---------------------------|---------------------------|
| PCC Band | PCC Bandwidth [MHz] | PCC (UL) Frequency [MHz] | PCC (UL) Channel | PCC UL# RB | PCC UL RB Offset | SCC Band | SCC Bandwidth [MHz] | SCC (DL) Frequency [MHz] | SCC (DL) Channel | LTE Rel 10 Tx.Power (dBm) | LTE Rel. 8 Tx.Power (dBm) |
| LTE B17  | 5                   | 710                      | 23790            | 1          | 12               | LTE B2   | 20                  | 1960                     | 900              | 23.32                     | 23.50                     |
| LTE B4   | 20                  | 1732.5                   | 20175            | 1          | 99               | LTE B29  | 10                  | 722.5                    | 9715             | 23.21                     | 23.47                     |
| LTE B4   | 20                  | 1732.5                   | 20175            | 1          | 99               | LTE B12  | 5                   | 737.5                    | 5095             | 23.19                     | 23.47                     |
| LTE B4   | 20                  | 1732.5                   | 20175            | 1          | 99               | LTE B17  | 10                  | 740                      | 5790             | 23.18                     | 23.47                     |
| LTE B4   | 20                  | 1732.5                   | 20175            | 1          | 99               | LTE B2   | 20                  | 1960                     | 900              | 23.23                     | 23.47                     |
| LTE B2   | 10                  | 1855                     | 18650            | 1          | 25               | LTE B29  | 10                  | 722.5                    | 9715             | 23.48                     | 23.49                     |
| LTE B2   | 10                  | 1855                     | 18650            | 1          | 25               | LTE B17  | 10                  | 740                      | 5790             | 23.48                     | 23.49                     |
| LTE B2   | 10                  | 1855                     | 18650            | 1          | 25               | LTE B4   | 20                  | 2132.5                   | 2175             | 23.45                     | 23.49                     |

Table 8-48  
LTE Carrier Aggregation Conducted Powers  
Reduced Power – Body at 0.0 cm

| PCC      |                     |                          |                  |            |                  | SCC      |                     |                          |                  | Power                     |                           |
|----------|---------------------|--------------------------|------------------|------------|------------------|----------|---------------------|--------------------------|------------------|---------------------------|---------------------------|
| PCC Band | PCC Bandwidth [MHz] | PCC (UL) Frequency [MHz] | PCC (UL) Channel | PCC UL# RB | PCC UL RB Offset | SCC Band | SCC Bandwidth [MHz] | SCC (DL) Frequency [MHz] | SCC (DL) Channel | LTE Rel 10 Tx.Power (dBm) | LTE Rel. 8 Tx.Power (dBm) |
| LTE B17  | 5                   | 710                      | 23790            | 1          | 0                | LTE B2   | 20                  | 1960                     | 900              | 17.78                     | 17.77                     |
| LTE B4   | 15                  | 1717.5                   | 20025            | 1          | 36               | LTE B29  | 10                  | 722.5                    | 9715             | 14.07                     | 14.46                     |
| LTE B4   | 15                  | 1717.5                   | 20025            | 1          | 36               | LTE B12  | 5                   | 737.5                    | 5095             | 14.27                     | 14.46                     |
| LTE B4   | 15                  | 1717.5                   | 20025            | 1          | 36               | LTE B17  | 10                  | 740                      | 5790             | 14.18                     | 14.46                     |
| LTE B4   | 15                  | 1717.5                   | 20025            | 1          | 36               | LTE B2   | 20                  | 1960                     | 900              | 14.24                     | 14.46                     |
| LTE B2   | 20                  | 1900                     | 19100            | 1          | 99               | LTE B29  | 10                  | 722.5                    | 9715             | 14.87                     | 15.50                     |
| LTE B2   | 20                  | 1900                     | 19100            | 1          | 99               | LTE B17  | 10                  | 740                      | 5790             | 14.86                     | 15.50                     |
| LTE B2   | 20                  | 1900                     | 19100            | 1          | 99               | LTE B4   | 20                  | 2132.5                   | 2175             | 14.85                     | 15.50                     |

Notes:

- The device does not support all Rel. 10 Carrier Aggregation features due to modem chipset limitation.
- The device only supports downlink Carrier Aggregation. Uplink Carrier Aggregation is not supported. Power measurements were performed with two DL carriers for the Release 8 configuration that had the highest output power (across all bandwidths, channels and RB Configurations) for each band
- This device only supports inter-band CA with 2 carriers:
 

|                              |                              |
|------------------------------|------------------------------|
| LTE B17 (PCC) + LTE B2 (SCC) | LTE B2 (PCC) + LTE B29 (SCC) |
| LTE B4 (PCC) + LTE B29 (SCC) | LTE B2 (PCC) + LTE B17 (SCC) |
| LTE B4 (PCC) + LTE B12 (SCC) | LTE B2 (PCC) + LTE B4 (SCC)  |
| LTE B4 (PCC) + LTE B17 (SCC) |                              |
| LTE B4 (PCC) + LTE B2 (SCC)  |                              |
- All control and acknowledge data is sent on uplink channels that operate identical to release 8 specifications.

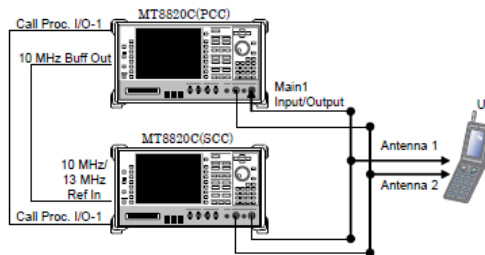


Figure 8-2  
Power Measurement Setup

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 56 of 101                  |

### 8.3 WLAN Conducted Powers

**Table 8-49**  
**2.4 GHz Average RF Power Antenna 1**

| Freq [MHz] | Channel | 2.4GHz Conducted Power [dBm] |         |
|------------|---------|------------------------------|---------|
|            |         | IEEE Transmission Mode       |         |
|            |         | 802.11b                      | 802.11g |
| 2412       | 1       | 17.42                        | 15.25   |
| 2437       | 6       | 16.85                        | 15.15   |
| 2462       | 11      | 17.49                        | 15.05   |

**Table 8-50**  
**2.4 GHz Average RF Power Antenna 1**  
**Reduced Power – Body at 0.0 cm**

| Freq [MHz] | Channel | 2.4GHz Conducted Power [dBm] |         |         |
|------------|---------|------------------------------|---------|---------|
|            |         | IEEE Transmission Mode       |         |         |
|            |         | 802.11b                      | 802.11g | 802.11n |
| 2412       | 1       | 13.92                        | 13.98   | 13.89   |
| 2437       | 6       | 14.30                        | 14.14   | 13.28   |
| 2462       | 11      | 14.26                        | 14.20   | 14.25   |

**Table 8-51**  
**2.4 GHz Average RF Power Antenna 2**

| Freq [MHz] | Channel | 2.4GHz Conducted Power [dBm] |         |
|------------|---------|------------------------------|---------|
|            |         | IEEE Transmission Mode       |         |
|            |         | 802.11b                      | 802.11g |
| 2412       | 1       | 17.11                        | 14.96   |
| 2437       | 6       | 16.49                        | 14.67   |
| 2462       | 11      | 16.38                        | 15.31   |

**Table 8-52**  
**2.4 GHz Average RF Power Antenna 2**  
**Reduced Power – Body at 0.0 cm**

| Freq [MHz] | Channel | 2.4GHz Conducted Power [dBm] |         |         |
|------------|---------|------------------------------|---------|---------|
|            |         | IEEE Transmission Mode       |         |         |
|            |         | 802.11b                      | 802.11g | 802.11n |
| 2412       | 1       | 12.18                        | 11.54   | 11.60   |
| 2437       | 6       | 12.13                        | 11.45   | 11.55   |
| 2462       | 11      | 11.73                        | 11.87   | 11.87   |

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 57 of 101                         |

**Table 8-53**  
**5 GHz (20 MHz Bandwidth) Average RF Power – Antenna 1**

| Freq [MHz] | Channel | 5GHz (20MHz) Conducted Power [dBm] |         |          |
|------------|---------|------------------------------------|---------|----------|
|            |         | IEEE Transmission Mode             |         |          |
|            |         | 802.11a                            | 802.11n | 802.11ac |
| 5180       | 36      | 12.66                              | 12.22   | 12.64    |
| 5200       | 40      | 12.85                              | 12.51   | 12.40    |
| 5220       | 44      | 12.90                              | 12.64   | 12.43    |
| 5240       | 48      | 13.06                              | 12.88   | 12.56    |
| 5260       | 52      | 13.30                              | 13.17   | 13.11    |
| 5280       | 56      | 13.33                              | 13.09   | 13.23    |
| 5300       | 60      | 13.19                              | 13.00   | 13.34    |
| 5320       | 64      | 13.01                              | 12.99   | 13.33    |
| 5500       | 100     | 13.30                              | 13.24   | 13.01    |
| 5600       | 120     | 12.83                              | 12.94   | 12.86    |
| 5620       | 124     | 12.88                              | 12.85   | 12.91    |
| 5720       | 144     | 12.84                              | 12.76   | 12.50    |
| 5745       | 149     | 13.31                              | 13.16   | 12.90    |
| 5785       | 157     | 13.33                              | 13.25   | 12.97    |
| 5825       | 165     | 13.33                              | 13.25   | 13.10    |

**Table 8-54**  
**5 GHz (80 MHz Bandwidth) Average RF Power – Antenna 1**  
**Reduced Power – Body at 0.0 cm**

| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
| 5210                               | 42      | 8.23                   |
| 5290                               | 58      | 8.24                   |
| 5530                               | 106     | 7.87                   |
| 5610                               | 122     | 7.63                   |
| 5690                               | 138     | 7.64                   |
| 5775                               | 155     | 7.83                   |

**Table 8-55**  
**5 GHz (20 MHz Bandwidth) Average RF Power – Antenna 2**

| Freq [MHz] | Channel | 5GHz (20MHz) Conducted Power [dBm] |         |          |
|------------|---------|------------------------------------|---------|----------|
|            |         | IEEE Transmission Mode             |         |          |
|            |         | 802.11a                            | 802.11n | 802.11ac |
| 5180       | 36      | 12.74                              | 12.63   | 12.57    |
| 5200       | 40      | 12.60                              | 12.55   | 12.64    |
| 5220       | 44      | 12.65                              | 12.47   | 12.47    |
| 5240       | 48      | 12.56                              | 12.46   | 12.37    |
| 5260       | 52      | 12.98                              | 12.88   | 12.88    |
| 5280       | 56      | 12.89                              | 12.79   | 12.73    |
| 5300       | 60      | 12.84                              | 12.80   | 12.76    |
| 5320       | 64      | 12.84                              | 12.75   | 12.86    |
| 5500       | 100     | 12.99                              | 12.92   | 12.97    |
| 5600       | 120     | 13.04                              | 12.96   | 12.82    |
| 5620       | 124     | 12.98                              | 12.93   | 13.01    |
| 5720       | 144     | 13.19                              | 13.07   | 13.05    |
| 5745       | 149     | 12.49                              | 12.34   | 12.42    |
| 5785       | 157     | 12.45                              | 12.33   | 12.33    |
| 5825       | 165     | 12.43                              | 12.37   | 12.36    |

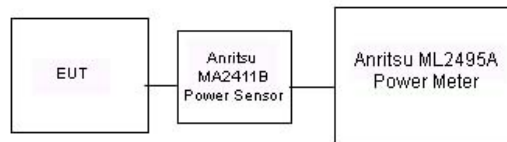
|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet | Page 58 of 101                                                                        |                                 |

**Table 8-56**  
**5 GHz (80 MHz Bandwidth) Average RF Power – Antenna 2**  
**Reduced Power – Body at 0.0 cm**

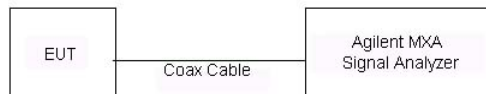
| 5GHz (80MHz) Conducted Power [dBm] |         |                        |
|------------------------------------|---------|------------------------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |
|                                    |         | 802.11ac               |
| 5210                               | 42      | <b>7.06</b>            |
| 5290                               | 58      | <b>7.02</b>            |
| 5530                               | 106     | <b>6.77</b>            |
| 5610                               | 122     | <b>6.52</b>            |
| 5690                               | 138     | <b>6.73</b>            |
| 5775                               | 155     | <b>7.03</b>            |

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r01:

- 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.
- The bolded data rate and channel above were tested for SAR.



**Figure 8-3**  
**Power Measurement Setup for Bandwidths < 50 MHz**



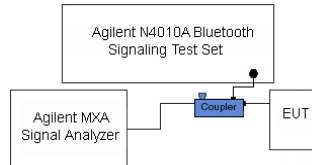
**Figure 8-4**  
**Power Measurement Setup for Bandwidths > 50 MHz**

|                                             |                                                                                                                                                  |                                     |                                                                                       |                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br><small>ENGINEERING LABORATORY, INC.</small> | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                                        | <b>DUT Type:</b><br>Portable Tablet | Page 59 of 101                                                                        |                                        |

**Table 8-57**  
**Bluetooth Average RF Power**

| Frequency<br>[MHz] | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |       |
|--------------------|------------------------|----------------|------------------------|-------|
|                    |                        |                | [dBm]                  | [mW]  |
| 2402               | 1.0                    | 0              | 9.18                   | 8.271 |
| 2441               | 1.0                    | 39             | <b>9.45</b>            | 8.819 |
| 2480               | 1.0                    | 78             | 8.97                   | 7.888 |
| 2402               | 2.0                    | 0              | 4.63                   | 2.904 |
| 2441               | 2.0                    | 39             | 5.45                   | 3.511 |
| 2480               | 2.0                    | 78             | 4.89                   | 3.080 |
| 2402               | 3.0                    | 0              | 4.69                   | 2.947 |
| 2441               | 3.0                    | 39             | 5.51                   | 3.552 |
| 2480               | 3.0                    | 78             | 4.95                   | 3.123 |

Note: The bolded data rate and channel above was tested for SAR.



**Figure 8-5**  
**Power Measurement Setup**

|                                      |                                                                                                                                   |                              |                                                                                       |                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b> |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>0Y1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                | DUT Type:<br>Portable Tablet |                                                                                       | Page 60 of 101                  |

## 9.1 Tissue Verification

**Table 9-1**  
**Measured Tissue Properties**

| 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 $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 5/4/2015                           | 750B        | 22.0                                | 695                      | 0.915                                 | 54.994                                   | 0.959                               | 55.745                                 | -4.59%         | -1.35%           |
|                                    |             |                                     | 710                      | 0.929                                 | 54.841                                   | 0.960                               | 55.687                                 | -3.23%         | -1.52%           |
|                                    |             |                                     | 725                      | 0.943                                 | 54.708                                   | 0.961                               | 55.629                                 | -1.87%         | -1.66%           |
|                                    |             |                                     | 740                      | 0.956                                 | 54.543                                   | 0.963                               | 55.570                                 | -0.73%         | -1.85%           |
|                                    |             |                                     | 755                      | 0.969                                 | 54.393                                   | 0.964                               | 55.512                                 | 0.52%          | -2.02%           |
| 7/13/2015                          | 750B        | 21.0                                | 740                      | 0.951                                 | 54.783                                   | 0.963                               | 55.570                                 | -1.25%         | -1.42%           |
|                                    |             |                                     | 755                      | 0.964                                 | 54.681                                   | 0.964                               | 55.512                                 | 0.00%          | -1.50%           |
|                                    |             |                                     | 770                      | 0.978                                 | 54.514                                   | 0.965                               | 55.453                                 | 1.35%          | -1.69%           |
|                                    |             |                                     | 785                      | 0.996                                 | 54.378                                   | 0.966                               | 55.395                                 | 3.11%          | -1.84%           |
| 4/27/2015                          | 835B        | 21.5                                | 820                      | 0.978                                 | 54.362                                   | 0.969                               | 55.258                                 | 0.93%          | -1.62%           |
|                                    |             |                                     | 835                      | 0.992                                 | 54.192                                   | 0.970                               | 55.200                                 | 2.27%          | -1.83%           |
|                                    |             |                                     | 850                      | 1.007                                 | 54.064                                   | 0.988                               | 55.154                                 | 1.92%          | -1.98%           |
| 4/30/2015                          | 835B        | 22.0                                | 820                      | 0.968                                 | 53.396                                   | 0.969                               | 55.258                                 | -0.10%         | -3.37%           |
|                                    |             |                                     | 835                      | 0.981                                 | 53.240                                   | 0.970                               | 55.200                                 | 1.13%          | -3.55%           |
|                                    |             |                                     | 850                      | 0.996                                 | 53.116                                   | 0.988                               | 55.154                                 | 0.81%          | -3.70%           |
| 4/27/2015                          | 1750B       | 21.4                                | 1710                     | 1.408                                 | 53.031                                   | 1.463                               | 53.537                                 | -3.76%         | -0.95%           |
|                                    |             |                                     | 1750                     | 1.451                                 | 52.881                                   | 1.488                               | 53.432                                 | -2.49%         | -1.03%           |
|                                    |             |                                     | 1790                     | 1.497                                 | 52.760                                   | 1.514                               | 53.326                                 | -1.12%         | -1.06%           |
| 5/1/2015                           | 1900B       | 21.0                                | 1850                     | 1.509                                 | 52.315                                   | 1.520                               | 53.300                                 | -0.72%         | -1.85%           |
|                                    |             |                                     | 1880                     | 1.539                                 | 52.225                                   | 1.520                               | 53.300                                 | 1.25%          | -2.02%           |
|                                    |             |                                     | 1910                     | 1.576                                 | 52.030                                   | 1.520                               | 53.300                                 | 3.68%          | -2.38%           |
| 4/29/2015                          | 2450B       | 22.2                                | 2401                     | 1.903                                 | 51.513                                   | 1.903                               | 52.765                                 | 0.00%          | -2.37%           |
|                                    |             |                                     | 2450                     | 1.962                                 | 51.310                                   | 1.950                               | 52.700                                 | 0.62%          | -2.64%           |
|                                    |             |                                     | 2499                     | 2.028                                 | 51.126                                   | 2.019                               | 52.638                                 | 0.45%          | -2.87%           |
| 04/27/2015                         | 5200B-5800B | 21.0                                | 5260                     | 5.344                                 | 48.108                                   | 5.369                               | 48.933                                 | -0.47%         | -1.69%           |
|                                    |             |                                     | 5280                     | 5.374                                 | 48.052                                   | 5.393                               | 48.906                                 | -0.35%         | -1.75%           |
|                                    |             |                                     | 5300                     | 5.409                                 | 48.022                                   | 5.416                               | 48.879                                 | -0.13%         | -1.75%           |
|                                    |             |                                     | 5500                     | 5.652                                 | 47.731                                   | 5.650                               | 48.607                                 | 0.04%          | -1.80%           |
|                                    |             |                                     | 5520                     | 5.681                                 | 47.670                                   | 5.673                               | 48.580                                 | 0.14%          | -1.87%           |
|                                    |             |                                     | 5540                     | 5.713                                 | 47.612                                   | 5.696                               | 48.553                                 | 0.30%          | -1.94%           |
|                                    |             |                                     | 5600                     | 5.803                                 | 47.570                                   | 5.766                               | 48.471                                 | 0.64%          | -1.86%           |
|                                    |             |                                     | 5680                     | 5.920                                 | 47.400                                   | 5.860                               | 48.363                                 | 1.02%          | -1.99%           |
|                                    |             |                                     | 5700                     | 5.951                                 | 47.399                                   | 5.883                               | 48.336                                 | 1.16%          | -1.94%           |
|                                    |             |                                     | 5745                     | 5.999                                 | 47.334                                   | 5.936                               | 48.275                                 | 1.06%          | -1.95%           |
|                                    |             |                                     | 5765                     | 6.018                                 | 47.310                                   | 5.959                               | 48.248                                 | 0.99%          | -1.94%           |
|                                    |             |                                     | 5785                     | 6.058                                 | 47.224                                   | 5.982                               | 48.220                                 | 1.27%          | -2.07%           |
|                                    |             |                                     | 5800                     | 6.073                                 | 47.223                                   | 6.000                               | 48.200                                 | 1.22%          | -2.03%           |

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 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.

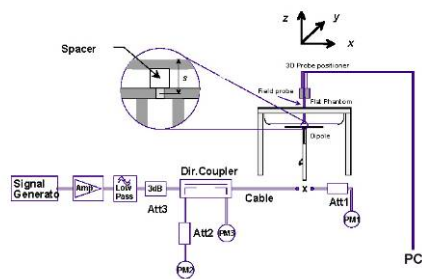
|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 61 of 101                         |

## 9.2 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 E.

**Table 9-2**  
**System Verification Results**

| System Verification<br>TARGET & MEASURED |                        |             |            |                |                  |                 |           |          |                                   |                                     |                                         |                             |
|------------------------------------------|------------------------|-------------|------------|----------------|------------------|-----------------|-----------|----------|-----------------------------------|-------------------------------------|-----------------------------------------|-----------------------------|
| SAR System #                             | Tissue Frequency (MHz) | Tissue Type | Date:      | Amb. Temp (°C) | Liquid Temp (°C) | Input Power (W) | Dipole SN | Probe SN | Measured SAR <sub>1g</sub> (W/kg) | 1 W Target SAR <sub>1g</sub> (W/kg) | 1 W Normalized SAR <sub>1g</sub> (W/kg) | Deviation <sub>1g</sub> (%) |
| A                                        | 750                    | BODY        | 05/04/2015 | 24.2           | 22.0             | 0.100           | 1046      | 3331     | 0.890                             | 8.290                               | 8.900                                   | 7.36%                       |
| J                                        | 750                    | BODY        | 07/13/2015 | 21.1           | 21.0             | 0.200           | 1003      | 3319     | 1.790                             | 8.460                               | 8.950                                   | 5.79%                       |
| J                                        | 835                    | BODY        | 04/27/2015 | 20.9           | 21.9             | 0.100           | 4d133     | 3022     | 0.940                             | 9.350                               | 9.400                                   | 0.53%                       |
| D                                        | 835                    | BODY        | 04/30/2015 | 23.3           | 22.7             | 0.100           | 4d133     | 3209     | 0.990                             | 9.350                               | 9.900                                   | 5.88%                       |
| G                                        | 1750                   | BODY        | 04/27/2015 | 22.3           | 21.4             | 0.100           | 1008      | 3318     | 3.580                             | 37.600                              | 35.800                                  | -4.79%                      |
| K                                        | 1900                   | BODY        | 05/01/2015 | 22.3           | 21.0             | 0.100           | 5d141     | 3288     | 4.020                             | 40.000                              | 40.200                                  | 0.50%                       |
| J                                        | 2450                   | BODY        | 04/29/2015 | 21.4           | 21.7             | 0.100           | 719       | 3319     | 5.560                             | 51.800                              | 55.600                                  | 7.34%                       |
| E                                        | 5300                   | BODY        | 04/27/2015 | 20.9           | 20.6             | 0.050           | 1057      | 3589     | 3.840                             | 74.200                              | 76.800                                  | 3.50%                       |
| E                                        | 5500                   | BODY        | 04/27/2015 | 20.9           | 20.6             | 0.050           | 1057      | 3589     | 3.780                             | 79.200                              | 75.600                                  | -4.55%                      |
| E                                        | 5600                   | BODY        | 04/27/2015 | 21.0           | 20.7             | 0.050           | 1057      | 3589     | 3.910                             | 77.700                              | 78.200                                  | 0.64%                       |
| E                                        | 5800                   | BODY        | 04/27/2015 | 21.1           | 20.7             | 0.050           | 1057      | 3589     | 3.450                             | 75.100                              | 69.000                                  | -8.12%                      |



**Figure 9-1**  
**System Verification Setup Diagram**



**Figure 9-2**  
**System Verification Setup Photo**

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 62 of 101                         |

# 10 SAR DATA SUMMARY

## 10.1 Standalone SAR Data

**Table 10-1**  
**UMTS Body SAR**

| MEASUREMENT RESULTS                                                                               |      |           |         |                            |                       |                  |                                                 |                      |            |       |          |                |                 |        |
|---------------------------------------------------------------------------------------------------|------|-----------|---------|----------------------------|-----------------------|------------------|-------------------------------------------------|----------------------|------------|-------|----------|----------------|-----------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service | Maxium Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Device Serial Number | Duty Cycle | Side  | SAR (1g) | Scaling Factor | Scaled SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |           |         |                            |                       |                  |                                                 |                      |            |       | (W/kg)   |                | (W/kg)          |        |
| 836.60                                                                                            | 4183 | UMTS 850  | RMC     | 23.5                       | 22.68                 | 0.02             | 24 mm                                           | 8026                 | 1:1        | back  | 0.273    | 1.208          | 0.330           |        |
| 836.60                                                                                            | 4183 | UMTS 850  | RMC     | 23.5                       | 22.68                 | 0.02             | 24 mm                                           | 8026                 | 1:1        | top   | 0.336    | 1.208          | 0.406           |        |
| 826.40                                                                                            | 4132 | UMTS 850  | RMC     | 17.0                       | 16.96                 | 0.02             | 0 mm                                            | 6798                 | 1:1        | back  | 0.911    | 1.009          | 0.919           |        |
| 836.60                                                                                            | 4183 | UMTS 850  | RMC     | 17.0                       | 16.94                 | 0.02             | 0 mm                                            | 6798                 | 1:1        | back  | 0.926    | 1.014          | 0.939           |        |
| 846.60                                                                                            | 4233 | UMTS 850  | RMC     | 17.0                       | 16.84                 | 0.20             | 0 mm                                            | 6798                 | 1:1        | back  | 0.920    | 1.038          | 0.955           |        |
| 826.40                                                                                            | 4132 | UMTS 850  | RMC     | 17.0                       | 16.96                 | 0.05             | 0 mm                                            | 6798                 | 1:1        | top   | 0.984    | 1.009          | 0.993           |        |
| 836.60                                                                                            | 4183 | UMTS 850  | RMC     | 17.0                       | 16.94                 | 0.04             | 0 mm                                            | 6798                 | 1:1        | top   | 0.993    | 1.014          | 1.007           | A1     |
| 846.60                                                                                            | 4233 | UMTS 850  | RMC     | 17.0                       | 16.84                 | 0.01             | 0 mm                                            | 6798                 | 1:1        | top   | 0.989    | 1.038          | 1.027           |        |
| 836.60                                                                                            | 4183 | UMTS 850  | RMC     | 23.5                       | 22.68                 | 0.07             | 0 mm                                            | 8026                 | 1:1        | right | 0.258    | 1.208          | 0.312           |        |
| 836.60                                                                                            | 4183 | UMTS 850  | RMC     | 23.5                       | 22.68                 | 0.15             | 0 mm                                            | 8026                 | 1:1        | left  | 0.146    | 1.208          | 0.176           |        |
| 836.60                                                                                            | 4183 | UMTS 850  | RMC     | 17.0                       | 16.94                 | 0.11             | 0 mm                                            | 6798                 | 1:1        | top   | 0.904    | 1.014          | 0.917           |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 22.5                       | 22.05                 | 0.04             | 24 mm                                           | 8026                 | 1:1        | back  | 0.183    | 1.109          | 0.203           |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 22.5                       | 22.05                 | 0.03             | 24 mm                                           | 8026                 | 1:1        | top   | 0.227    | 1.109          | 0.252           |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC     | 15.0                       | 14.68                 | -0.07            | 0 mm                                            | 6798                 | 1:1        | back  | 0.887    | 1.076          | 0.954           |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 15.0                       | 14.88                 | -0.06            | 0 mm                                            | 6798                 | 1:1        | back  | 0.926    | 1.028          | 0.952           |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC     | 15.0                       | 14.96                 | -0.04            | 0 mm                                            | 6798                 | 1:1        | back  | 1.080    | 1.009          | 1.090           | A2     |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 15.0                       | 14.88                 | -0.17            | 0 mm                                            | 6798                 | 1:1        | top   | 0.404    | 1.028          | 0.415           |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 22.5                       | 22.05                 | 0.05             | 0 mm                                            | 8026                 | 1:1        | right | 0.059    | 1.109          | 0.065           |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 22.5                       | 22.05                 | 0.04             | 0 mm                                            | 8026                 | 1:1        | left  | 0.440    | 1.109          | 0.488           |        |
| 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

**Table 10-2**  
**LTE Band 12 Body SAR**

| 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 | Scaled SAR (1g) | Plot # |    |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)          |        |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 23.5                  | 23.33            | 0.04     | 0                                               | 7318       | QPSK    | 1         | 25      | 24 mm | back       | 1:1      | 0.077          | 1.040           | 0.080  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 22.5                  | 22.04            | -0.04    | 1                                               | 7318       | QPSK    | 25        | 0       | 24 mm | back       | 1:1      | 0.057          | 1.112           | 0.063  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 23.5                  | 23.33            | 0.01     | 0                                               | 7318       | QPSK    | 1         | 25      | 24 mm | top        | 1:1      | 0.095          | 1.040           | 0.099  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 22.5                  | 22.04            | 0.08     | 1                                               | 7318       | QPSK    | 25        | 0       | 24 mm | top        | 1:1      | 0.072          | 1.112           | 0.080  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 18.5                  | 17.65            | -0.01    | 0                                               | 8134       | QPSK    | 1         | 49      | 0 mm  | back       | 1:1      | 0.588          | 1.216           | 0.715  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 17.5                  | 16.45            | -0.02    | 1                                               | 8134       | QPSK    | 25        | 12      | 0 mm  | back       | 1:1      | 0.428          | 1.274           | 0.545  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 18.5                  | 17.65            | -0.08    | 0                                               | 8134       | QPSK    | 1         | 49      | 0 mm  | top        | 1:1      | 0.877          | 1.216           | 1.066  | A3 |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 17.5                  | 16.45            | -0.06    | 1                                               | 8134       | QPSK    | 25        | 12      | 0 mm  | top        | 1:1      | 0.641          | 1.274           | 0.817  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 17.5                  | 16.36            | -0.20    | 1                                               | 8134       | QPSK    | 50        | 0       | 0 mm  | top        | 1:1      | 0.646          | 1.300           | 0.840  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 23.5                  | 23.33            | -0.09    | 0                                               | 7318       | QPSK    | 1         | 25      | 0 mm  | right      | 1:1      | 0.108          | 1.040           | 0.112  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 22.5                  | 22.04            | 0.15     | 1                                               | 7318       | QPSK    | 25        | 0       | 0 mm  | right      | 1:1      | 0.090          | 1.112           | 0.100  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 23.5                  | 23.33            | 0.05     | 0                                               | 7318       | QPSK    | 1         | 25      | 0 mm  | left       | 1:1      | 0.082          | 1.040           | 0.085  |    |
| 707.50                                                                                            | 23095 | Mid  | LTE Band 12     | 10                          | 22.5                  | 22.04            | 0.08     | 1                                               | 7318       | QPSK    | 25        | 0       | 0 mm  | left       | 1:1      | 0.063          | 1.112           | 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 |            |         |           |         |       |            |          |                |                 |        |    |

|                                      |                                                                                     |                              |  |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |  | Page 63 of 101                                                                        |                                 |

**Table 10-3**  
**LTE Band 13 Body SAR**

| 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 | Scaled SAR (1g) | Plot # |    |
| MHz                                                   | Ch.   |      |                 |                             |                       |                  |         |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)          |        |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 23.5                  | 23.38            | -0.02   | 0                                               | 0804       | QPSK    | 1         | 25      | 24 mm | back       | 1:1      | 0.214          | 1.028           | 0.220  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 22.5                  | 22.14            | 0.03    | 1                                               | 0804       | QPSK    | 25        | 12      | 24 mm | back       | 1:1      | 0.154          | 1.086           | 0.167  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 23.5                  | 23.38            | 0.00    | 0                                               | 0804       | QPSK    | 1         | 25      | 24 mm | top        | 1:1      | 0.314          | 1.028           | 0.323  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 22.5                  | 22.14            | 0.03    | 1                                               | 0804       | QPSK    | 25        | 12      | 24 mm | top        | 1:1      | 0.227          | 1.086           | 0.247  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 17.5                  | 17.18            | 0.00    | 0                                               | 0820       | QPSK    | 1         | 0       | 0 mm  | back       | 1:1      | 0.903          | 1.076           | 0.972  | A4 |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 17.5                  | 16.98            | 0.01    | 0                                               | 0820       | QPSK    | 25        | 0       | 0 mm  | back       | 1:1      | 0.866          | 1.127           | 0.976  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 17.5                  | 16.87            | 0.02    | 0                                               | 0820       | QPSK    | 50        | 0       | 0 mm  | back       | 1:1      | 0.858          | 1.156           | 0.992  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 17.5                  | 17.18            | -0.11   | 0                                               | 0820       | QPSK    | 1         | 0       | 0 mm  | top        | 1:1      | 0.665          | 1.076           | 0.716  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 17.5                  | 16.98            | 0.11    | 0                                               | 0820       | QPSK    | 25        | 0       | 0 mm  | top        | 1:1      | 0.636          | 1.127           | 0.717  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 23.5                  | 23.38            | 0.00    | 0                                               | 0804       | QPSK    | 1         | 25      | 0 mm  | right      | 1:1      | 0.280          | 1.028           | 0.288  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 22.5                  | 22.14            | 0.10    | 1                                               | 0804       | QPSK    | 25        | 12      | 0 mm  | right      | 1:1      | 0.213          | 1.086           | 0.231  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 23.5                  | 23.38            | 0.03    | 0                                               | 0804       | QPSK    | 1         | 25      | 0 mm  | left       | 1:1      | 0.114          | 1.028           | 0.117  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 22.5                  | 22.14            | -0.05   | 1                                               | 0804       | QPSK    | 25        | 12      | 0 mm  | left       | 1:1      | 0.084          | 1.086           | 0.091  |    |
| 782.00                                                | 23230 | Mid  | LTE Band 13     | 10                          | 17.5                  | 17.18            | -0.03   | 0                                               | 0820       | QPSK    | 1         | 0       | 0 mm  | back       | 1:1      | 0.889          | 1.076           | 0.957  |    |
| 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 entries represent variability measurement

**Table 10-4**  
**LTE Band 5 (Cell) Body SAR**

| 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 | Scaled SAR (1g) | Plot # |    |
| MHz                                      | Ch.   |      |                   |                             |                       |                  |          |                                         |            |         |           |         |       |            | (W/kg)   |                | (W/kg)          |        |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 23.5                  | 23.15            | -0.02    | 0                                       | 7598       | QPSK    | 1         | 25      | 24 mm | back       | 1:1      | 0.278          | 1.084           | 0.301  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 22.5                  | 21.66            | -0.11    | 1                                       | 7598       | QPSK    | 25        | 0       | 24 mm | back       | 1:1      | 0.197          | 1.213           | 0.239  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 23.5                  | 23.15            | 0.02     | 0                                       | 7598       | QPSK    | 1         | 25      | 24 mm | top        | 1:1      | 0.329          | 1.084           | 0.357  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 22.5                  | 21.66            | -0.04    | 1                                       | 7598       | QPSK    | 25        | 0       | 24 mm | top        | 1:1      | 0.230          | 1.213           | 0.279  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 17.5                  | 17.15            | 0.06     | 0                                       | 8117       | QPSK    | 1         | 25      | 0 mm  | back       | 1:1      | 0.957          | 1.084           | 1.037  | A5 |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 16.5                  | 15.94            | 0.04     | 1                                       | 8117       | QPSK    | 25        | 0       | 0 mm  | back       | 1:1      | 0.708          | 1.138           | 0.806  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 16.5                  | 15.93            | 0.02     | 1                                       | 8117       | QPSK    | 50        | 0       | 0 mm  | back       | 1:1      | 0.698          | 1.140           | 0.796  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 17.5                  | 17.15            | 0.01     | 0                                       | 8117       | QPSK    | 1         | 25      | 0 mm  | top        | 1:1      | 0.759          | 1.084           | 0.823  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 16.5                  | 15.94            | 0.07     | 1                                       | 8117       | QPSK    | 25        | 0       | 0 mm  | top        | 1:1      | 0.586          | 1.138           | 0.667  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 16.5                  | 15.93            | 0.04     | 1                                       | 8117       | QPSK    | 50        | 0       | 0 mm  | top        | 1:1      | 0.571          | 1.140           | 0.651  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 23.5                  | 23.15            | 0.06     | 0                                       | 7598       | QPSK    | 1         | 25      | 0 mm  | right      | 1:1      | 0.179          | 1.084           | 0.194  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 22.5                  | 21.66            | 0.06     | 1                                       | 7598       | QPSK    | 25        | 0       | 0 mm  | right      | 1:1      | 0.141          | 1.213           | 0.171  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 23.5                  | 23.15            | 0.01     | 0                                       | 7598       | QPSK    | 1         | 25      | 0 mm  | left       | 1:1      | 0.249          | 1.084           | 0.270  |    |
| 836.50                                   | 20525 | Mid  | LTE Band 5 (Cell) | 10                          | 22.5                  | 21.66            | 0.00     | 1                                       | 7598       | QPSK    | 25        | 0       | 0 mm  | left       | 1:1      | 0.200          | 1.213           | 0.243  |    |
| 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 |            |         |           |         |       |            |          |                |                 |        |    |

|                                             |                                                                                     |                                     |                                                                                       |                                        |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                           | <b>DUT Type:</b><br>Portable Tablet | Page 64 of 101                                                                        |                                        |

**Table 10-5**  
**LTE Band 4 (AWS) Body SAR**

| 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 | Scaled SAR (1g) | Plot # |  |
| MHz                                      | Ch.   |      |                  |                             |                       |                  |          |                      |            |         |           |         |       |            | (W/kg)   |                | (W/kg)          |        |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 23.5                  | 23.47            | 0.11     | 0                    | 7598       | QPSK    | 1         | 99      | 24 mm | back       | 1:1      | 0.227          | 1.007           | 0.229  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 22.5                  | 21.96            | 0.05     | 1                    | 7598       | QPSK    | 50        | 50      | 24 mm | back       | 1:1      | 0.163          | 1.132           | 0.185  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 23.5                  | 23.47            | -0.01    | 0                    | 7598       | QPSK    | 1         | 99      | 24 mm | top        | 1:1      | 0.252          | 1.007           | 0.254  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 22.5                  | 21.96            | 0.11     | 1                    | 7598       | QPSK    | 50        | 50      | 24 mm | top        | 1:1      | 0.192          | 1.132           | 0.217  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.5                  | 14.39            | -0.07    | 0                    | 6947       | QPSK    | 1         | 0       | 0 mm  | back       | 1:1      | 0.604          | 1.026           | 0.620  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.5                  | 13.08            | -0.14    | 1                    | 6947       | QPSK    | 50        | 25      | 0 mm  | back       | 1:1      | 0.494          | 1.102           | 0.544  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 14.5                  | 14.39            | -0.04    | 0                    | 6947       | QPSK    | 1         | 0       | 0 mm  | top        | 1:1      | 0.199          | 1.026           | 0.204  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 13.5                  | 13.08            | 0.03     | 1                    | 6947       | QPSK    | 50        | 25      | 0 mm  | top        | 1:1      | 0.187          | 1.102           | 0.206  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 23.5                  | 23.47            | 0.04     | 0                    | 7598       | QPSK    | 1         | 99      | 0 mm  | right      | 1:1      | 0.273          | 1.007           | 0.275  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 22.5                  | 21.96            | 0.10     | 1                    | 7598       | QPSK    | 50        | 50      | 0 mm  | right      | 1:1      | 0.204          | 1.132           | 0.231  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 23.5                  | 23.47            | -0.05    | 0                    | 7598       | QPSK    | 1         | 99      | 0 mm  | left       | 1:1      | 1.010          | 1.007           | 1.017  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 22.5                  | 21.96            | -0.06    | 1                    | 7598       | QPSK    | 50        | 50      | 0 mm  | left       | 1:1      | 0.758          | 1.132           | 0.858  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 22.5                  | 21.93            | -0.20    | 1                    | 7598       | QPSK    | 100       | 0       | 0 mm  | left       | 1:1      | 0.720          | 1.140           | 0.821  |  |
| 1732.50                                  | 20175 | Mid  | LTE Band 4 (AWS) | 20                          | 23.5                  | 23.47            | 0.04     | 0                    | 7598       | QPSK    | 1         | 99      | 0 mm  | left       | 1:1      | 1.030          | 1.007           | 1.037  |  |
| 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

**Table 10-6**  
**LTE Band 2 (PCS) Body SAR**

| 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) [W/kg] | Scaling Factor | Scaled SAR (1g) [W/kg] | Plot # |    |
| MHz                                      | Ch.   |      |                  |                             |                       |                  |          |                      |            |         |           |         |       |            |                 |                |                        |        |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.36            | 0.02     | 0                    | 7598       | QPSK    | 1         | 99      | 24 mm | back       | 1:1             | 0.197          | 1.033                  | 0.204  |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.19            | 0.00     | 1                    | 7598       | QPSK    | 50        | 50      | 24 mm | back       | 1:1             | 0.148          | 1.074                  | 0.159  |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.36            | -0.05    | 0                    | 7598       | QPSK    | 1         | 99      | 24 mm | top        | 1:1             | 0.245          | 1.033                  | 0.253  |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.19            | 0.16     | 1                    | 7598       | QPSK    | 50        | 50      | 24 mm | top        | 1:1             | 0.191          | 1.074                  | 0.205  |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 15.5                  | 15.07            | -0.19    | 0                    | 6947       | QPSK    | 1         | 99      | 0 mm  | back       | 1:1             | 0.943          | 1.104                  | 1.041  |    |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 15.5                  | 15.46            | -0.12    | 0                    | 6947       | QPSK    | 1         | 0       | 0 mm  | back       | 1:1             | 1.030          | 1.009                  | 1.039  |    |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 15.5                  | 15.50            | -0.06    | 0                    | 6947       | QPSK    | 1         | 99      | 0 mm  | back       | 1:1             | 1.100          | 1.000                  | 1.100  | A7 |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 14.5                  | 13.92            | 0.08     | 1                    | 6947       | QPSK    | 50        | 50      | 0 mm  | back       | 1:1             | 0.741          | 1.143                  | 0.847  |    |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.5                  | 14.25            | 0.10     | 1                    | 6947       | QPSK    | 50        | 25      | 0 mm  | back       | 1:1             | 0.742          | 1.059                  | 0.786  |    |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.5                  | 14.26            | 0.06     | 1                    | 6947       | QPSK    | 50        | 0       | 0 mm  | back       | 1:1             | 0.854          | 1.057                  | 0.903  |    |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 14.5                  | 14.15            | 0.10     | 1                    | 6947       | QPSK    | 100       | 0       | 0 mm  | back       | 1:1             | 0.757          | 1.084                  | 0.821  |    |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 15.5                  | 15.50            | -0.05    | 0                    | 6947       | QPSK    | 1         | 99      | 0 mm  | top        | 1:1             | 0.456          | 1.000                  | 0.456  |    |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 14.5                  | 14.26            | -0.02    | 1                    | 6947       | QPSK    | 50        | 0       | 0 mm  | top        | 1:1             | 0.383          | 1.057                  | 0.405  |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.36            | 0.05     | 0                    | 7598       | QPSK    | 1         | 99      | 0 mm  | right      | 1:1             | 0.055          | 1.033                  | 0.057  |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.19            | 0.05     | 1                    | 7598       | QPSK    | 50        | 50      | 0 mm  | right      | 1:1             | 0.052          | 1.074                  | 0.056  |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.36            | -0.08    | 0                    | 7598       | QPSK    | 1         | 99      | 0 mm  | left       | 1:1             | 0.585          | 1.033                  | 0.604  |    |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.19            | 0.03     | 1                    | 7598       | QPSK    | 50        | 50      | 0 mm  | left       | 1:1             | 0.448          | 1.074                  | 0.481  |    |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 15.5                  | 15.50            | 0.06     | 0                    | 6947       | QPSK    | 1         | 99      | 0 mm  | back       | 1:1             | 0.999          | 1.000                  | 0.999  |    |
| 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: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 65 of 101                  |

**Table 10-7  
DTS Body SAR**

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |                  |                      |                 |                      |                  |        |                |          |                        |                             |                 |        |    |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|----------------------|-----------------|----------------------|------------------|--------|----------------|----------|------------------------|-----------------------------|-----------------|--------|----|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Scaled SAR (1g) | Plot # |    |
| MHz                                      | Ch. |         |         |                 |                             |                       |                  |                      |                 |                      |                  |        |                | (W/kg)   |                        |                             | (W/kg)          |        |    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 17.5                        | 17.42                 | 0.02             | 4 mm                 | 1               | 6905                 | 1                | back   | 99.8           | 0.260    | 1.019                  | 1.002                       | 0.266           |        |    |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 17.5                        | 17.49                 | -0.01            | 4 mm                 | 1               | 6905                 | 1                | back   | 99.8           | 0.830    | 1.002                  | 1.002                       | 0.834           |        |    |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 14.5                        | 14.30                 | 0.02             | 0 mm                 | 1               | 7937                 | 1                | back   | 99.8           | 1.020    | 1.047                  | 1.002                       | 1.070           |        | A8 |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 14.5                        | 14.26                 | 0.04             | 0 mm                 | 1               | 7937                 | 1                | back   | 99.8           | 0.956    | 1.057                  | 1.002                       | 1.012           |        |    |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 17.5                        | 17.49                 | 0.18             | 0 mm                 | 1               | 6905                 | 1                | top    | 99.8           | 0.003    | 1.002                  | 1.002                       | 0.003           |        |    |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 17.5                        | 17.49                 | -0.05            | 0 mm                 | 1               | 6905                 | 1                | bottom | 99.8           | 0.220    | 1.002                  | 1.002                       | 0.220           |        |    |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 17.5                        | 17.49                 | -0.08            | 0 mm                 | 1               | 6905                 | 1                | right  | 99.8           | 0.245    | 1.002                  | 1.002                       | 0.245           |        |    |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 17.5                        | 17.49                 | 0.16             | 0 mm                 | 1               | 6905                 | 1                | left   | 99.8           | 0.027    | 1.002                  | 1.002                       | 0.027           |        |    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 17.5                        | 17.11                 | -0.06            | 4 mm                 | 2               | 6905                 | 1                | back   | 99.9           | 0.235    | 1.094                  | 1.001                       | 0.257           |        |    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 12.5                        | 12.18                 | 0.09             | 0 mm                 | 2               | 7937                 | 1                | back   | 99.9           | 0.430    | 1.076                  | 1.001                       | 0.463           |        |    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 17.5                        | 17.11                 | -0.17            | 0 mm                 | 2               | 6905                 | 1                | top    | 99.9           | 0.002    | 1.094                  | 1.001                       | 0.002           |        |    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 17.5                        | 17.11                 | -0.15            | 0 mm                 | 2               | 6905                 | 1                | bottom | 99.9           | 0.116    | 1.094                  | 1.001                       | 0.127           |        |    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 17.5                        | 17.11                 | -0.13            | 0 mm                 | 2               | 6905                 | 1                | right  | 99.9           | 0.064    | 1.094                  | 1.001                       | 0.070           |        |    |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 17.5                        | 17.11                 | -0.09            | 0 mm                 | 2               | 6905                 | 1                | left   | 99.9           | 0.006    | 1.094                  | 1.001                       | 0.007           |        |    |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 14.5                        | 14.30                 | -0.06            | 0 mm                 | 1               | 7937                 | 1                | back   | 99.8           | 0.907    | 1.047                  | 1.002                       | 0.952           |        |    |
| 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 entries represent variability measurement

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 66 of 101                  |

**Table 10-8**  
**NII Body SAR**

| MEASUREMENT RESULTS                      |     |          |         |                 |                             |                       |                  |                      |                 |                      |                  |        |                |          |                        |                             |                 |        |
|------------------------------------------|-----|----------|---------|-----------------|-----------------------------|-----------------------|------------------|----------------------|-----------------|----------------------|------------------|--------|----------------|----------|------------------------|-----------------------------|-----------------|--------|
| FREQUENCY                                |     | Mode     | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle (%) | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Scaled SAR (1g) | Plot # |
| MHz                                      | Ch. |          |         |                 |                             |                       |                  |                      |                 |                      |                  |        |                | (W/kg)   |                        |                             | (W/kg)          |        |
| 5280                                     | 56  | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | 0.10             | 4 mm                 | 1               | 6905                 | 6                | back   | 98.4           | 0.394    | 1.040                  | 1.017                       | 0.417           |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 8.5                         | 8.24                  | 0.01             | 0 mm                 | 1               | 7937                 | 29.3             | back   | 95.5           | 0.832    | 1.062                  | 1.047                       | 0.926           |        |
| 5280                                     | 56  | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | 0.03             | 0 mm                 | 1               | 6905                 | 6                | top    | 98.4           | 0.002    | 1.040                  | 1.017                       | 0.002           |        |
| 5280                                     | 56  | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | 0.00             | 0 mm                 | 1               | 6905                 | 6                | bottom | 98.4           | 0.127    | 1.040                  | 1.017                       | 0.134           |        |
| 5280                                     | 56  | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | -0.05            | 0 mm                 | 1               | 6905                 | 6                | right  | 98.4           | 0.331    | 1.040                  | 1.017                       | 0.350           |        |
| 5280                                     | 56  | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | -0.09            | 0 mm                 | 1               | 6905                 | 6                | left   | 98.4           | 0.005    | 1.040                  | 1.017                       | 0.005           |        |
| 5260                                     | 52  | 802.11a  | OFDM    | 20              | 13.5                        | 12.98                 | -0.02            | 4 mm                 | 2               | 6905                 | 6                | back   | 99.0           | 0.619    | 1.127                  | 1.010                       | 0.705           |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 7.5                         | 7.02                  | 0.05             | 0 mm                 | 2               | 7937                 | 29.3             | back   | 95.8           | 0.864    | 1.117                  | 1.044                       | 1.007           | A9     |
| 5260                                     | 52  | 802.11a  | OFDM    | 20              | 13.5                        | 12.98                 | -0.11            | 0 mm                 | 2               | 6905                 | 6                | top    | 99.0           | 0.002    | 1.127                  | 1.010                       | 0.002           |        |
| 5260                                     | 52  | 802.11a  | OFDM    | 20              | 13.5                        | 12.98                 | 0.19             | 0 mm                 | 2               | 6905                 | 6                | bottom | 99.0           | 0.220    | 1.127                  | 1.010                       | 0.250           |        |
| 5260                                     | 52  | 802.11a  | OFDM    | 20              | 13.5                        | 12.98                 | 0.07             | 0 mm                 | 2               | 6905                 | 6                | right  | 99.0           | 0.018    | 1.127                  | 1.010                       | 0.020           |        |
| 5260                                     | 52  | 802.11a  | OFDM    | 20              | 13.5                        | 12.98                 | -0.04            | 0 mm                 | 2               | 6905                 | 6                | left   | 99.0           | 0.028    | 1.127                  | 1.010                       | 0.032           |        |
| 5500                                     | 100 | 802.11a  | OFDM    | 20              | 13.5                        | 13.30                 | 0.04             | 4 mm                 | 1               | 6905                 | 6                | back   | 98.4           | 0.295    | 1.047                  | 1.017                       | 0.314           |        |
| 5530                                     | 106 | 802.11ac | OFDM    | 80              | 8.5                         | 7.87                  | 0.04             | 0 mm                 | 1               | 7937                 | 29.3             | back   | 95.5           | 0.609    | 1.156                  | 1.047                       | 0.737           |        |
| 5500                                     | 100 | 802.11a  | OFDM    | 20              | 13.5                        | 13.30                 | -0.03            | 0 mm                 | 1               | 6905                 | 6                | top    | 98.4           | 0.003    | 1.047                  | 1.017                       | 0.003           |        |
| 5500                                     | 100 | 802.11a  | OFDM    | 20              | 13.5                        | 13.30                 | 0.08             | 0 mm                 | 1               | 6905                 | 6                | bottom | 98.4           | 0.061    | 1.047                  | 1.017                       | 0.065           |        |
| 5500                                     | 100 | 802.11a  | OFDM    | 20              | 13.5                        | 13.30                 | 0.02             | 0 mm                 | 1               | 6905                 | 6                | right  | 98.4           | 0.232    | 1.047                  | 1.017                       | 0.247           |        |
| 5500                                     | 100 | 802.11a  | OFDM    | 20              | 13.5                        | 13.30                 | -0.06            | 0 mm                 | 1               | 6905                 | 6                | left   | 98.4           | 0.003    | 1.047                  | 1.017                       | 0.003           |        |
| 5720                                     | 144 | 802.11a  | OFDM    | 20              | 13.5                        | 13.19                 | -0.03            | 4 mm                 | 2               | 6905                 | 6                | back   | 99.0           | 0.411    | 1.074                  | 1.010                       | 0.445           |        |
| 5530                                     | 106 | 802.11ac | OFDM    | 80              | 7.5                         | 6.77                  | 0.08             | 0 mm                 | 2               | 7937                 | 29.3             | back   | 95.8           | 0.760    | 1.183                  | 1.044                       | 0.939           |        |
| 5690                                     | 138 | 802.11ac | OFDM    | 80              | 7.5                         | 6.73                  | -0.07            | 0 mm                 | 2               | 7937                 | 29.3             | back   | 95.8           | 0.663    | 1.194                  | 1.044                       | 0.827           |        |
| 5720                                     | 144 | 802.11a  | OFDM    | 20              | 13.5                        | 13.19                 | -0.14            | 0 mm                 | 2               | 6905                 | 6                | top    | 99.0           | 0.003    | 1.074                  | 1.010                       | 0.003           |        |
| 5720                                     | 144 | 802.11a  | OFDM    | 20              | 13.5                        | 13.19                 | 0.00             | 0 mm                 | 2               | 6905                 | 6                | bottom | 99.0           | 0.197    | 1.074                  | 1.010                       | 0.214           |        |
| 5720                                     | 144 | 802.11a  | OFDM    | 20              | 13.5                        | 13.19                 | -0.15            | 0 mm                 | 2               | 6905                 | 6                | right  | 99.0           | 0.005    | 1.074                  | 1.010                       | 0.005           |        |
| 5720                                     | 144 | 802.11a  | OFDM    | 20              | 13.5                        | 13.19                 | -0.11            | 0 mm                 | 2               | 6905                 | 6                | left   | 99.0           | 0.017    | 1.074                  | 1.010                       | 0.018           |        |
| 5785                                     | 157 | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | 0.16             | 4 mm                 | 1               | 6905                 | 6                | back   | 98.4           | 0.333    | 1.040                  | 1.017                       | 0.352           |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 8.5                         | 7.83                  | 0.20             | 0 mm                 | 1               | 7937                 | 29.3             | back   | 95.5           | 0.717    | 1.167                  | 1.047                       | 0.876           |        |
| 5785                                     | 157 | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | -0.02            | 0 mm                 | 1               | 6905                 | 6                | top    | 98.4           | 0.006    | 1.040                  | 1.017                       | 0.006           |        |
| 5785                                     | 157 | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | 0.11             | 0 mm                 | 1               | 6905                 | 6                | bottom | 98.4           | 0.062    | 1.040                  | 1.017                       | 0.065           |        |
| 5785                                     | 157 | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | 0.05             | 0 mm                 | 1               | 6905                 | 6                | right  | 98.4           | 0.207    | 1.040                  | 1.017                       | 0.219           |        |
| 5785                                     | 157 | 802.11a  | OFDM    | 20              | 13.5                        | 13.33                 | 0.02             | 0 mm                 | 1               | 6905                 | 6                | left   | 98.4           | 0.005    | 1.040                  | 1.017                       | 0.005           |        |
| 5745                                     | 149 | 802.11a  | OFDM    | 20              | 13.5                        | 12.49                 | -0.18            | 4 mm                 | 2               | 6905                 | 6                | back   | 99.0           | 0.334    | 1.262                  | 1.010                       | 0.426           |        |
| 5775                                     | 155 | 802.11ac | OFDM    | 80              | 7.5                         | 7.03                  | -0.05            | 0 mm                 | 2               | 7937                 | 29.3             | back   | 95.8           | 0.608    | 1.114                  | 1.044                       | 0.707           |        |
| 5745                                     | 149 | 802.11a  | OFDM    | 20              | 13.5                        | 12.49                 | -0.09            | 0 mm                 | 2               | 6905                 | 6                | top    | 99.0           | 0.005    | 1.262                  | 1.010                       | 0.006           |        |
| 5745                                     | 149 | 802.11a  | OFDM    | 20              | 13.5                        | 12.49                 | 0.15             | 0 mm                 | 2               | 6905                 | 6                | bottom | 99.0           | 0.166    | 1.262                  | 1.010                       | 0.211           |        |
| 5745                                     | 149 | 802.11a  | OFDM    | 20              | 13.5                        | 12.49                 | -0.11            | 0 mm                 | 2               | 6905                 | 6                | right  | 99.0           | 0.004    | 1.262                  | 1.010                       | 0.005           |        |
| 5745                                     | 149 | 802.11a  | OFDM    | 20              | 13.5                        | 12.49                 | 0.04             | 0 mm                 | 2               | 6905                 | 6                | left   | 99.0           | 0.015    | 1.262                  | 1.010                       | 0.019           |        |
| 5290                                     | 58  | 802.11ac | OFDM    | 80              | 7.5                         | 7.02                  | 0.06             | 0 mm                 | 2               | 7937                 | 29.3             | back   | 95.8           | 0.729    | 1.117                  | 1.044                       | 0.850           |        |
| 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 10-9**  
**Bluetooth Body SAR**

| MEASUREMENT RESULTS                      |     |           |         |                             |                       |                  |         |                      |                  |        |            |          |                |                 |        |
|------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|---------|----------------------|------------------|--------|------------|----------|----------------|-----------------|--------|
| FREQUENCY                                |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing | Device Serial Number | Data Rate (Mbps) | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Scaled SAR (1g) | Plot # |
| MHz                                      | Ch. |           |         |                             |                       |                  |         |                      |                  |        |            | (W/kg)   |                | (W/kg)          |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 10.0                        | 9.45                  | -0.07            | 0 mm    | 6905                 | 1                | back   | 1:1        | 0.098    | 1.135          | 0.111           | A10    |
| 2441                                     | 39  | Bluetooth | FHSS    | 10.0                        | 9.45                  | 0.03             | 0 mm    | 6905                 | 1                | bottom | 1:1        | 0.009    | 1.135          | 0.010           |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 10.0                        | 9.45                  | 0.14             | 0 mm    | 6905                 | 1                | right  | 1:1        | 0.023    | 1.135          | 0.026           |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 10.0                        | 9.45                  | -0.15            | 0 mm    | 6905                 | 1                | left   | 1:1        | 0.000    | 1.135          | 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 |                  |        |            |          |                |                 |        |

|                                      |                                                                                     |                              |  |  |  |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|--|--|--|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  |  |  |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |  |  |  | Page 67 of 101                                                                        |                                 |

## 10.2 SAR Test Notes

### General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in KDB 616217 D04v01r01, and FCC KDB Publication 447498 D01v05.
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 D01v05.
6. Per FCC KDB 865664 D01 v01, variability SAR tests were performed when the measured SAR results for a frequency band were greater than 0.8 W/kg. Repeated SAR measurements are highlighted in the tables above for clarity. Please see Section 12 for variability analysis.
7. Per FCC KDB 616217 D04 Section 4.3, SAR tests are required for the back surface and edges of the tablet with the tablet touching the phantom. The SAR Exclusion Threshold in FCC KDB 447498 D01v05 was applied to determine SAR test exclusion for adjacent edge configurations. SAR tests were required for top, right, and left edges for main antenna 1, top and right edges for main antenna 2, bottom and right edges for BT/WLAN antenna 1 and bottom, right and left for WLAN antenna 2. Additionally, top and left edge was tested for WLAN antenna 1, top edge for WLAN antenna 2 and left edge for BT per the manufactures request.

### UMTS Notes:

1. UMTS mode in was tested under RMC 12.2 kbps with HSPA Inactive per KDB Publication 941225 D01v03. HSPA SAR was not required per 3G Test Reduction Procedures.
2. Per FCC KDB Publication 447498 D01v05, 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 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 Considerations: LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r03. The general test procedures used for testing can be found in Section 7.5.4.
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 KDB Publication 941225 D05Av01r01, 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.

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 68 of 101                         |

WLAN Notes:

1. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r01 for 2.4 GHz WIFI single transmission chain 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 7.6.4 for more information.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r01 for 5 GHz WIFI single transmission chain 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. See Section 7.6.5 for more information.
3. Per KDB Publication 248227 D01v02r01, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498. Please see Section 11 for complete analysis.
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 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.

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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# 11 FCC MULTI-TX AND ANTENNA SAR CONSIDERATIONS

## 11.1 Introduction

The following procedures adopted from FCC KDB Publication 447498 D01v05r02 are applicable to devices with built-in unlicensed transmitters such as 802.11 and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

## 11.2 Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore simultaneous transmission analysis is required. Per FCC KDB 447498 D01v05 IV.C.1.iii and IEEE 1528-2013 Section 6.3.4.1.2, simultaneous transmission SAR test exclusion may be applied when the sum of the 1-g 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 1-g or 10-g SAR.

## 11.3 Body Simultaneous Transmission Analysis

**Table 11-1**  
**Simultaneous Transmission Scenario with 2.4 GHz WLAN (Body at 0.0 cm)**

| Simult Tx | Configuration | UMTS 850 SAR (W/kg)    | 2.4 GHz WLAN Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |              |            | SPLSR |      |      |
|-----------|---------------|------------------------|-------------------------------|-------------------------------|---------------------|--------------|--------------|------------|-------|------|------|
|           |               | 1                      | 2                             | 3                             | 1+2                 | 1+3          | 2+3          | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 0.955                  | 1.070                         | 0.463                         | See Note 1          | 1.418        | <b>1.533</b> | See Note 1 | 0.01  | 0.01 | 0.03 |
|           | Top           | 1.027                  | 0.003                         | 0.002                         | 1.030               | 1.029        | 0.005        | 1.032      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                  | 0.220                         | 0.127                         | 0.620               | 0.527        | 0.347        | 0.747      | N/A   | N/A  | N/A  |
|           | Right         | 0.312                  | 0.245                         | 0.070                         | 0.557               | 0.382        | 0.315        | 0.627      | N/A   | N/A  | N/A  |
|           | Left          | 0.176                  | 0.027                         | 0.007                         | 0.203               | 0.183        | 0.034        | 0.210      | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | UMTS 1900 SAR (W/kg)   | 2.4 GHz WLAN Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |              |            | SPLSR |      |      |
|           |               | 1                      | 2                             | 3                             | 1+2                 | 1+3          | 2+3          | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 1.090                  | 1.070                         | 0.463                         | See Note 1          | <b>1.553</b> | 1.533        | See Note 1 | 0.02  | 0.01 | 0.03 |
|           | Top           | 0.415                  | 0.003                         | 0.002                         | 0.418               | 0.417        | 0.005        | 0.420      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                  | 0.220                         | 0.127                         | 0.620               | 0.527        | 0.347        | 0.747      | N/A   | N/A  | N/A  |
|           | Right         | 0.065                  | 0.245                         | 0.070                         | 0.310               | 0.135        | 0.315        | 0.380      | N/A   | N/A  | N/A  |
|           | Left          | 0.488                  | 0.027                         | 0.007                         | 0.515               | 0.495        | 0.034        | 0.522      | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | LTE Band 12 SAR (W/kg) | 2.4 GHz WLAN Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |              |            | SPLSR |      |      |
|           |               | 1                      | 2                             | 3                             | 1+2                 | 1+3          | 2+3          | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 0.715                  | 1.070                         | 0.463                         | See Note 1          | 1.178        | <b>1.533</b> | See Note 1 | 0.01  | 0.01 | 0.03 |
|           | Top           | 1.066                  | 0.003                         | 0.002                         | 1.069               | 1.068        | 0.005        | 1.071      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                  | 0.220                         | 0.127                         | 0.620               | 0.527        | 0.347        | 0.747      | N/A   | N/A  | N/A  |
|           | Right         | 0.112                  | 0.245                         | 0.070                         | 0.357               | 0.182        | 0.315        | 0.427      | N/A   | N/A  | N/A  |
|           | Left          | 0.085                  | 0.027                         | 0.007                         | 0.112               | 0.092        | 0.034        | 0.119      | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | LTE Band 13 SAR (W/kg) | 2.4 GHz WLAN Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | $\Sigma$ SAR (W/kg) |              |              |            | SPLSR |      |      |
|           |               | 1                      | 2                             | 3                             | 1+2                 | 1+3          | 2+3          | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 0.992                  | 1.070                         | 0.463                         | See Note 1          | 1.455        | <b>1.533</b> | See Note 1 | 0.01  | 0.01 | 0.03 |
|           | Top           | 0.717                  | 0.003                         | 0.002                         | 0.720               | 0.719        | 0.005        | 0.722      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                  | 0.220                         | 0.127                         | 0.620               | 0.527        | 0.347        | 0.747      | N/A   | N/A  | N/A  |
|           | Right         | 0.288                  | 0.245                         | 0.070                         | 0.533               | 0.358        | 0.315        | 0.603      | N/A   | N/A  | N/A  |
|           | Left          | 0.117                  | 0.027                         | 0.007                         | 0.144               | 0.124        | 0.034        | 0.151      | N/A   | N/A  | N/A  |

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 70 of 101                  |

| Simult Tx | Configuration | LTE Band 5<br>(Cell) SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant 1<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |       |            | SPLSR |      |      |
|-----------|---------------|------------------------------------|-------------------------------------|-------------------------------------|---------------------|-------|-------|------------|-------|------|------|
|           |               | 1                                  | 2                                   | 3                                   | 1+2                 | 1+3   | 2+3   | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 1.037                              | 1.070                               | 0.463                               | See Note 1          | 1.500 | 1.533 | See Note 1 | 0.01  | 0.01 | 0.03 |
|           | Top           | 0.823                              | 0.003                               | 0.002                               | 0.826               | 0.825 | 0.005 | 0.828      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                              | 0.220                               | 0.127                               | 0.620               | 0.527 | 0.347 | 0.747      | N/A   | N/A  | N/A  |
|           | Right         | 0.194                              | 0.245                               | 0.070                               | 0.439               | 0.264 | 0.315 | 0.509      | N/A   | N/A  | N/A  |
|           | Left          | 0.270                              | 0.027                               | 0.007                               | 0.297               | 0.277 | 0.034 | 0.304      | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | LTE Band 4<br>(AWS) SAR<br>(W/kg)  | 2.4 GHz<br>WLAN Ant 1<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |       |            | SPLSR |      |      |
|           |               | 1                                  | 2                                   | 3                                   | 1+2                 | 1+3   | 2+3   | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 0.620                              | 1.070                               | 0.463                               | See Note 1          | 1.083 | 1.533 | See Note 1 | 0.01  | 0.01 | 0.03 |
|           | Top           | 0.206                              | 0.003                               | 0.002                               | 0.209               | 0.208 | 0.005 | 0.211      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                              | 0.220                               | 0.127                               | 0.620               | 0.527 | 0.347 | 0.747      | N/A   | N/A  | N/A  |
|           | Right         | 0.275                              | 0.245                               | 0.070                               | 0.520               | 0.345 | 0.315 | 0.590      | N/A   | N/A  | N/A  |
|           | Left          | 1.037                              | 0.027                               | 0.007                               | 1.064               | 1.044 | 0.034 | 1.071      | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | LTE Band 2<br>(PCS) SAR<br>(W/kg)  | 2.4 GHz<br>WLAN Ant 1<br>SAR (W/kg) | 2.4 GHz<br>WLAN Ant 2<br>SAR (W/kg) | $\Sigma$ SAR (W/kg) |       |       |            | SPLSR |      |      |
|           |               | 1                                  | 2                                   | 3                                   | 1+2                 | 1+3   | 2+3   | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 1.100                              | 1.070                               | 0.463                               | See Note 1          | 1.563 | 1.533 | See Note 1 | 0.02  | 0.01 | 0.03 |
|           | Top           | 0.456                              | 0.003                               | 0.002                               | 0.459               | 0.458 | 0.005 | 0.461      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                              | 0.220                               | 0.127                               | 0.620               | 0.527 | 0.347 | 0.747      | N/A   | N/A  | N/A  |
|           | Right         | 0.057                              | 0.245                               | 0.070                               | 0.302               | 0.127 | 0.315 | 0.372      | N/A   | N/A  | N/A  |
|           | Left          | 0.604                              | 0.027                               | 0.007                               | 0.631               | 0.611 | 0.034 | 0.638      | N/A   | N/A  | N/A  |

**Table 11-2**  
**Simultaneous Transmission Scenario with 5 GHz WLAN (Body at 0.0 cm)**

| Simult Tx | Configuration | UMTS 850<br>SAR (W/kg)    | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 2 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |            |            |            | SPLSR |      |      |
|-----------|---------------|---------------------------|-----------------------------------|-----------------------------------|---------------------|------------|------------|------------|-------|------|------|
|           |               | 1                         | 2                                 | 3                                 | 1+2                 | 1+3        | 2+3        | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 0.955                     | 0.926                             | 1.007                             | See Note 1          | See Note 1 | See Note 1 | See Note 1 | 0.01  | 0.01 | 0.04 |
|           | Top           | 1.027                     | 0.006                             | 0.006                             | 1.033               | 1.033      | 0.012      | 1.039      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                     | 0.134                             | 0.250                             | 0.534               | 0.650      | 0.384      | 0.784      | N/A   | N/A  | N/A  |
|           | Right         | 0.312                     | 0.350                             | 0.020                             | 0.662               | 0.332      | 0.370      | 0.682      | N/A   | N/A  | N/A  |
|           | Left          | 0.176                     | 0.005                             | 0.032                             | 0.181               | 0.208      | 0.037      | 0.213      | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | UMTS 1900<br>SAR (W/kg)   | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 2 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |            |            |            | SPLSR |      |      |
|           |               | 1                         | 2                                 | 3                                 | 1+2                 | 1+3        | 2+3        | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 1.090                     | 0.926                             | 1.007                             | See Note 1          | See Note 1 | See Note 1 | See Note 1 | 0.01  | 0.01 | 0.04 |
|           | Top           | 0.415                     | 0.006                             | 0.006                             | 0.421               | 0.421      | 0.012      | 0.427      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                     | 0.134                             | 0.250                             | 0.534               | 0.650      | 0.384      | 0.784      | N/A   | N/A  | N/A  |
|           | Right         | 0.065                     | 0.350                             | 0.020                             | 0.415               | 0.085      | 0.370      | 0.435      | N/A   | N/A  | N/A  |
|           | Left          | 0.488                     | 0.005                             | 0.032                             | 0.493               | 0.520      | 0.037      | 0.525      | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | LTE Band 12<br>SAR (W/kg) | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 2 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |            |            |            | SPLSR |      |      |
|           |               | 1                         | 2                                 | 3                                 | 1+2                 | 1+3        | 2+3        | 1+2+3      | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 0.715                     | 0.926                             | 1.007                             | See Note 1          | See Note 1 | See Note 1 | See Note 1 | 0.01  | 0.01 | 0.04 |
|           | Top           | 1.066                     | 0.006                             | 0.006                             | 1.072               | 1.072      | 0.012      | 1.078      | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                     | 0.134                             | 0.250                             | 0.534               | 0.650      | 0.384      | 0.784      | N/A   | N/A  | N/A  |
|           | Right         | 0.112                     | 0.350                             | 0.020                             | 0.462               | 0.132      | 0.370      | 0.482      | N/A   | N/A  | N/A  |
|           | Left          | 0.085                     | 0.005                             | 0.032                             | 0.090               | 0.117      | 0.037      | 0.122      | N/A   | N/A  | N/A  |

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet | Page 71 of 101                                                                        |                                        |

| Simult Tx | Configuration | LTE Band 13<br>SAR (W/kg)          | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 2 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |            |            |              | SPLSR |      |      |
|-----------|---------------|------------------------------------|-----------------------------------|-----------------------------------|---------------------|------------|------------|--------------|-------|------|------|
|           |               | 1                                  | 2                                 | 3                                 | 1+2                 | 1+3        | 2+3        | 1+2+3        | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 0.992                              | 0.926                             | 1.007                             | See Note 1          | See Note 1 | See Note 1 | See Note 1   | 0.01  | 0.01 | 0.04 |
|           | Top           | 0.717                              | 0.006                             | 0.006                             | 0.723               | 0.723      | 0.012      | 0.729        | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                              | 0.134                             | 0.250                             | 0.534               | 0.650      | 0.384      | <b>0.784</b> | N/A   | N/A  | N/A  |
|           | Right         | 0.288                              | 0.350                             | 0.020                             | 0.638               | 0.308      | 0.370      | 0.658        | N/A   | N/A  | N/A  |
|           | Left          | 0.117                              | 0.005                             | 0.032                             | 0.122               | 0.149      | 0.037      | 0.154        | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | LTE Band 5<br>(Cell) SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 2 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |            |            |              | SPLSR |      |      |
|           |               | 1                                  | 2                                 | 3                                 | 1+2                 | 1+3        | 2+3        | 1+2+3        | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 1.037                              | 0.926                             | 1.007                             | See Note 1          | See Note 1 | See Note 1 | See Note 1   | 0.01  | 0.01 | 0.04 |
|           | Top           | 0.823                              | 0.006                             | 0.006                             | 0.829               | 0.829      | 0.012      | <b>0.835</b> | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                              | 0.134                             | 0.250                             | 0.534               | 0.650      | 0.384      | 0.784        | N/A   | N/A  | N/A  |
|           | Right         | 0.194                              | 0.350                             | 0.020                             | 0.544               | 0.214      | 0.370      | 0.564        | N/A   | N/A  | N/A  |
|           | Left          | 0.270                              | 0.005                             | 0.032                             | 0.275               | 0.302      | 0.037      | 0.307        | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | LTE Band 4<br>(AWS) SAR<br>(W/kg)  | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 2 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |            |            |              | SPLSR |      |      |
|           |               | 1                                  | 2                                 | 3                                 | 1+2                 | 1+3        | 2+3        | 1+2+3        | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 0.620                              | 0.926                             | 1.007                             | <b>1.546</b>        | See Note 1 | See Note 1 | See Note 1   | 0.01  | 0.01 | 0.04 |
|           | Top           | 0.206                              | 0.006                             | 0.006                             | 0.212               | 0.212      | 0.012      | 0.218        | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                              | 0.134                             | 0.250                             | 0.534               | 0.650      | 0.384      | 0.784        | N/A   | N/A  | N/A  |
|           | Right         | 0.275                              | 0.350                             | 0.020                             | 0.625               | 0.295      | 0.370      | 0.645        | N/A   | N/A  | N/A  |
|           | Left          | 1.037                              | 0.005                             | 0.032                             | 1.042               | 1.069      | 0.037      | 1.074        | N/A   | N/A  | N/A  |
| Simult Tx | Configuration | LTE Band 2<br>(PCS) SAR<br>(W/kg)  | 5 GHz WLAN<br>Ant 1 SAR<br>(W/kg) | 5 GHz WLAN<br>Ant 2 SAR<br>(W/kg) | $\Sigma$ SAR (W/kg) |            |            |              | SPLSR |      |      |
|           |               | 1                                  | 2                                 | 3                                 | 1+2                 | 1+3        | 2+3        | 1+2+3        | 1+2   | 1+3  | 2+3  |
| SAR       | Back          | 1.100                              | 0.926                             | 1.007                             | See Note 1          | See Note 1 | See Note 1 | See Note 1   | 0.01  | 0.01 | 0.04 |
|           | Top           | 0.456                              | 0.006                             | 0.006                             | 0.462               | 0.462      | 0.012      | 0.468        | N/A   | N/A  | N/A  |
|           | Bottom        | 0.400                              | 0.134                             | 0.250                             | 0.534               | 0.650      | 0.384      | <b>0.784</b> | N/A   | N/A  | N/A  |
|           | Right         | 0.057                              | 0.350                             | 0.020                             | 0.407               | 0.077      | 0.370      | 0.427        | N/A   | N/A  | N/A  |
|           | Left          | 0.604                              | 0.005                             | 0.032                             | 0.609               | 0.636      | 0.037      | 0.641        | N/A   | N/A  | N/A  |

**Table 11-3**  
**Simultaneous Transmission Scenario with 2.4 GHz Bluetooth (Body at 0.0 cm)**

| Simult Tx | Configuration | UMTS 850<br>SAR (W/kg)    | Bluetooth<br>SAR (W/kg) | $\Sigma$ SAR<br>(W/kg) | Simult Tx | Configuration | UMTS 1900<br>SAR (W/kg)   | Bluetooth<br>SAR (W/kg) | $\Sigma$ SAR<br>(W/kg) |
|-----------|---------------|---------------------------|-------------------------|------------------------|-----------|---------------|---------------------------|-------------------------|------------------------|
|           |               | 1                         | 2                       | 1+2                    |           |               | 1                         | 2                       | 1+2                    |
| SAR       | Back          | 0.955                     | 0.111                   | 1.066                  | SAR       | Back          | 1.090                     | 0.111                   | 1.201                  |
|           | Top           | 1.027                     | 0.400                   | 1.427                  |           | Top           | 0.415                     | 0.400                   | 0.815                  |
|           | Bottom        | 0.400                     | 0.010                   | 0.410                  |           | Bottom        | 0.400                     | 0.010                   | 0.410                  |
|           | Right         | 0.312                     | 0.026                   | 0.338                  |           | Right         | 0.065                     | 0.026                   | 0.091                  |
|           | Left          | 0.176                     | 0.000                   | 0.176                  |           | Left          | 0.488                     | 0.000                   | 0.488                  |
| Simult Tx | Configuration | LTE Band 12<br>SAR (W/kg) | Bluetooth<br>SAR (W/kg) | $\Sigma$ SAR<br>(W/kg) | Simult Tx | Configuration | LTE Band 13<br>SAR (W/kg) | Bluetooth<br>SAR (W/kg) | $\Sigma$ SAR<br>(W/kg) |
|           |               | 1                         | 2                       | 1+2                    |           |               | 1                         | 2                       | 1+2                    |
| SAR       | Back          | 0.715                     | 0.111                   | 0.826                  | SAR       | Back          | 0.992                     | 0.111                   | 1.103                  |
|           | Top           | 1.066                     | 0.400                   | 1.466                  |           | Top           | 0.717                     | 0.400                   | 1.117                  |
|           | Bottom        | 0.400                     | 0.010                   | 0.410                  |           | Bottom        | 0.400                     | 0.010                   | 0.410                  |
|           | Right         | 0.112                     | 0.026                   | 0.138                  |           | Right         | 0.288                     | 0.026                   | 0.314                  |
|           | Left          | 0.085                     | 0.000                   | 0.085                  |           | Left          | 0.117                     | 0.000                   | 0.117                  |

| Simult Tx | Configuration | LTE Band 5<br>(Cell) SAR<br>(W/kg) | Bluetooth<br>SAR (W/kg) | Σ SAR<br>(W/kg) | Simult Tx | Configuration | LTE Band 4<br>(AWS) SAR<br>(W/kg) | Bluetooth<br>SAR (W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|------------------------------------|-------------------------|-----------------|-----------|---------------|-----------------------------------|-------------------------|-----------------|
|           |               | 1                                  | 2                       | 1+2             |           |               | 1                                 | 2                       | 1+2             |
| SAR       | Back          | 1.037                              | 0.111                   | 1.148           | SAR       | Back          | 0.620                             | 0.111                   | 0.731           |
|           | Top           | 0.823                              | 0.400                   | 1.223           |           | Top           | 0.206                             | 0.400                   | 0.606           |
|           | Bottom        | 0.400                              | 0.010                   | 0.410           |           | Bottom        | 0.400                             | 0.010                   | 0.410           |
|           | Right         | 0.194                              | 0.026                   | 0.220           |           | Right         | 0.275                             | 0.026                   | 0.301           |
|           | Left          | 0.270                              | 0.000                   | 0.270           |           | Left          | 1.037                             | 0.000                   | 1.037           |

| Simult Tx | Configuration | LTE Band 2<br>(PCS) SAR<br>(W/kg) | Bluetooth<br>SAR (W/kg) | Σ SAR<br>(W/kg) |
|-----------|---------------|-----------------------------------|-------------------------|-----------------|
|           |               | 1                                 | 2                       | 1+2             |
| SAR       | Back          | 1.100                             | 0.111                   | 1.211           |
|           | Top           | 0.456                             | 0.400                   | 0.856           |
|           | Bottom        | 0.400                             | 0.010                   | 0.410           |
|           | Right         | 0.057                             | 0.026                   | 0.083           |
|           | Left          | 0.604                             | 0.000                   | 0.604           |

**Table 11-4**  
**Simultaneous Transmission Scenario with 2.4 GHz WLAN (Body at 0.4 cm)**

| Configuration | Mode              | 3G/4G<br>SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR (W/kg) |         |       |            | SPLSR |       |      |
|---------------|-------------------|------------------------|----------------------------------------|----------------------------------------|--------------|---------|-------|------------|-------|-------|------|
|               |                   | 1                      | 2                                      | 3                                      | 1+2          | 1+3     | 2+3   | 1+2+3      | 1+2   | 1+3   | 2+3  |
| Back Side     | UMTS 850          | < 0.955                | 0.834                                  | 0.257                                  | See Note 1   | <1.212  | 1.091 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | UMTS 1900         | < 1.090                | 0.834                                  | 0.257                                  | See Note 1   | <1.347  | 1.091 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 12       | < 0.715                | 0.834                                  | 0.257                                  | <1.549       | <0.972  | 1.091 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 13       | < 0.992                | 0.834                                  | 0.257                                  | See Note 1   | < 1.249 | 1.091 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 5 (Cell) | < 1.037                | 0.834                                  | 0.257                                  | See Note 1   | <1.294  | 1.091 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 4 (AWS)  | < 0.620                | 0.834                                  | 0.257                                  | <1.454       | <0.877  | 1.091 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 2 (PCS)  | < 1.100                | 0.834                                  | 0.257                                  | See Note 1   | <1.357  | 1.091 | See Note 1 | <0.01 | <0.01 | 0.02 |

**Table 11-5**  
**Simultaneous Transmission Scenario with 5 GHz WLAN (Body at 0.4 cm)**

| Configuration | Mode              | 3G/4G<br>SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>1 SAR<br>(W/kg) | 5 GHz<br>WLAN Ant<br>2 SAR<br>(W/kg) | Σ SAR (W/kg) |            |       |            | SPLSR |       |      |
|---------------|-------------------|------------------------|--------------------------------------|--------------------------------------|--------------|------------|-------|------------|-------|-------|------|
|               |                   | 1                      | 2                                    | 3                                    | 1+2          | 1+3        | 2+3   | 1+2+3      | 1+2   | 1+3   | 2+3  |
| Back Side     | UMTS 850          | < 0.955                | 0.417                                | 0.705                                | <1.372       | See Note 1 | 1.122 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | UMTS 1900         | < 1.090                | 0.417                                | 0.705                                | <1.507       | See Note 1 | 1.122 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 12       | < 0.715                | 0.417                                | 0.705                                | <1.132       | <1.420     | 1.122 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 13       | < 0.992                | 0.417                                | 0.705                                | <1.409       | See Note 1 | 1.122 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 5 (Cell) | < 1.037                | 0.417                                | 0.705                                | <1.454       | See Note 1 | 1.122 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 4 (AWS)  | < 0.620                | 0.417                                | 0.705                                | <1.037       | <1.325     | 1.122 | See Note 1 | <0.01 | <0.01 | 0.02 |
| Back Side     | LTE Band 2 (PCS)  | < 1.100                | 0.417                                | 0.705                                | <1.517       | See Note 1 | 1.122 | See Note 1 | <0.01 | <0.01 | 0.02 |

**Table 11-6**  
**Simultaneous Transmission Scenario with 2.4 GHz WLAN Back Side (Body at 2.4 cm)**

| Configuration | Mode              | 3G/4G<br>SAR<br>(W/kg) | 2.4 GHz<br>WLAN Ant<br>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          | 1+3     | 2+3     | 1+2+3   |
| Back Side     | UMTS 850          | 0.330                  | < 0.834                                | <0.257                                 | < 1.164      | < 0.587 | < 1.091 | < 1.421 |
| Back Side     | UMTS 1900         | 0.203                  | < 0.834                                | <0.257                                 | < 1.037      | < 0.460 | < 1.091 | < 1.294 |
| Back Side     | LTE Band 12       | 0.080                  | < 0.834                                | <0.257                                 | < 0.914      | < 0.337 | < 1.091 | < 1.171 |
| Back Side     | LTE Band 13       | 0.220                  | < 0.834                                | <0.257                                 | < 1.054      | < 0.447 | < 1.091 | < 1.311 |
| Back Side     | LTE Band 5 (Cell) | 0.301                  | < 0.834                                | <0.257                                 | < 1.135      | < 0.558 | < 1.091 | < 1.392 |
| Back Side     | LTE Band 4 (AWS)  | 0.229                  | < 0.834                                | <0.257                                 | < 1.063      | < 0.486 | < 1.091 | < 1.320 |
| Back Side     | LTE Band 2 (PCS)  | 0.204                  | < 0.834                                | <0.257                                 | < 1.038      | < 0.461 | < 1.091 | < 1.295 |

**Table 11-7**  
**Simultaneous Transmission Scenario with 2.4 GHz WLAN Top Edge (Body at 2.4 cm)**

| Configuration | Mode              | 3G/4G SAR (W/kg) | 2.4 GHz WLAN Ant 1 SAR (W/kg) | 2.4 GHz WLAN Ant 2 SAR (W/kg) | $\Sigma$ SAR (W/kg) |         |         |         |
|---------------|-------------------|------------------|-------------------------------|-------------------------------|---------------------|---------|---------|---------|
|               |                   | 1                | 2                             | 3                             | 1+2                 | 1+3     | 2+3     | 1+2+3   |
| Top Edge      | UMTS 850          | 0.406            | < 0.003                       | < 0.002                       | < 0.409             | < 0.408 | < 0.005 | < 0.411 |
| Top Edge      | UMTS 1900         | 0.252            | < 0.003                       | < 0.002                       | < 0.255             | < 0.254 | < 0.005 | < 0.257 |
| Top Edge      | LTE Band 12       | 0.099            | < 0.003                       | < 0.002                       | < 0.102             | < 0.101 | < 0.005 | < 0.104 |
| Top Edge      | LTE Band 13       | 0.323            | < 0.003                       | < 0.002                       | < 0.326             | < 0.325 | < 0.005 | < 0.328 |
| Top Edge      | LTE Band 5 (Cell) | 0.357            | < 0.003                       | < 0.002                       | < 0.360             | < 0.359 | < 0.005 | < 0.362 |
| Top Edge      | LTE Band 4 (AWS)  | 0.254            | < 0.003                       | < 0.002                       | < 0.257             | < 0.256 | < 0.005 | < 0.259 |
| Top Edge      | LTE Band 2 (PCS)  | 0.253            | < 0.003                       | < 0.002                       | < 0.256             | < 0.255 | < 0.005 | < 0.258 |

**Table 11-8**  
**Simultaneous Transmission Scenario with 5 GHz WLAN Back Side (Body at 2.4 cm)**

| Configuration | Mode              | 3G/4G SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 2 SAR (W/kg) | $\Sigma$ SAR (W/kg) |         |         |         |
|---------------|-------------------|------------------|-----------------------------|-----------------------------|---------------------|---------|---------|---------|
|               |                   | 1                | 2                           | 3                           | 1+2                 | 1+3     | 2+3     | 1+2+3   |
| Back Side     | UMTS 850          | 0.330            | < 0.417                     | < 0.705                     | < 0.747             | < 1.035 | < 1.122 | < 1.452 |
| Back Side     | UMTS 1900         | 0.203            | < 0.417                     | < 0.705                     | < 0.620             | < 0.908 | < 1.122 | < 1.325 |
| Back Side     | LTE Band 12       | 0.080            | < 0.417                     | < 0.705                     | < 0.497             | < 0.785 | < 1.122 | < 1.202 |
| Back Side     | LTE Band 13       | 0.220            | < 0.417                     | < 0.705                     | < 0.637             | < 0.925 | < 1.122 | < 1.342 |
| Back Side     | LTE Band 5 (Cell) | 0.301            | < 0.417                     | < 0.705                     | < 0.718             | < 1.006 | < 1.122 | < 1.423 |
| Back Side     | LTE Band 4 (AWS)  | 0.229            | < 0.417                     | < 0.705                     | < 0.646             | < 0.934 | < 1.122 | < 1.351 |
| Back Side     | LTE Band 2 (PCS)  | 0.204            | < 0.417                     | < 0.705                     | < 0.621             | < 0.909 | < 1.122 | < 1.326 |

**Table 11-9**  
**Simultaneous Transmission Scenario with 5 GHz WLAN Top Edge (Body at 2.4 cm)**

| Configuration | Mode              | 3G/4G SAR (W/kg) | 5 GHz WLAN Ant 1 SAR (W/kg) | 5 GHz WLAN Ant 2 SAR (W/kg) | $\Sigma$ SAR (W/kg) |         |         |         |
|---------------|-------------------|------------------|-----------------------------|-----------------------------|---------------------|---------|---------|---------|
|               |                   | 1                | 2                           | 3                           | 1+2                 | 1+3     | 2+3     | 1+2+3   |
| Top Edge      | UMTS 850          | 0.406            | < 0.006                     | < 0.006                     | < 0.412             | < 0.412 | < 0.012 | < 0.418 |
| Top Edge      | UMTS 1900         | 0.252            | < 0.006                     | < 0.006                     | < 0.258             | < 0.258 | < 0.012 | < 0.264 |
| Top Edge      | LTE Band 12       | 0.099            | < 0.006                     | < 0.006                     | < 0.105             | < 0.105 | < 0.012 | < 0.111 |
| Top Edge      | LTE Band 13       | 0.323            | < 0.006                     | < 0.006                     | < 0.329             | < 0.329 | < 0.012 | < 0.335 |
| Top Edge      | LTE Band 5 (Cell) | 0.357            | < 0.006                     | < 0.006                     | < 0.363             | < 0.363 | < 0.012 | < 0.369 |
| Top Edge      | LTE Band 4 (AWS)  | 0.254            | < 0.006                     | < 0.006                     | < 0.260             | < 0.260 | < 0.012 | < 0.266 |
| Top Edge      | LTE Band 2 (PCS)  | 0.253            | < 0.006                     | < 0.006                     | < 0.259             | < 0.259 | < 0.012 | < 0.265 |

**Table 11-10**  
**Simultaneous Transmission Scenario with Bluetooth Back Side (Body at 2.4 cm)**

| Configuration | Mode              | 3G/4G SAR (W/kg) | Bluetooth SAR (W/kg) | $\Sigma$ SAR (W/kg) |
|---------------|-------------------|------------------|----------------------|---------------------|
|               |                   | 1                | 2                    | 1+2                 |
| Back Side     | UMTS 850          | 0.330            | < 0.111              | < 0.441             |
| Back Side     | UMTS 1900         | 0.203            | < 0.111              | < 0.314             |
| Back Side     | LTE Band 12       | 0.080            | < 0.111              | < 0.191             |
| Back Side     | LTE Band 13       | 0.220            | < 0.111              | < 0.331             |
| Back Side     | LTE Band 5 (Cell) | 0.301            | < 0.111              | < 0.412             |
| Back Side     | LTE Band 4 (AWS)  | 0.229            | < 0.111              | < 0.340             |
| Back Side     | LTE Band 2 (PCS)  | 0.204            | < 0.111              | < 0.315             |

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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**Table 11-11**  
**Simultaneous Transmission Scenario with Bluetooth Top Edge (Body at 2.4 cm)**

| Configuration | Mode              | 3G/4G SAR (W/kg) | Bluetooth SAR (W/kg) | Σ SAR (W/kg) |
|---------------|-------------------|------------------|----------------------|--------------|
|               |                   | 1                | 2                    | 1+2          |
| Top Edge      | UMTS 850          | 0.406            | 0.400                | 0.806        |
| Top Edge      | UMTS 1900         | 0.252            | 0.400                | 0.652        |
| Top Edge      | LTE Band 12       | 0.099            | 0.400                | 0.499        |
| Top Edge      | LTE Band 13       | 0.323            | 0.400                | 0.723        |
| Top Edge      | LTE Band 5 (Cell) | 0.357            | 0.400                | 0.757        |
| Top Edge      | LTE Band 4 (AWS)  | 0.254            | 0.400                | 0.654        |
| Top Edge      | LTE Band 2 (PCS)  | 0.253            | 0.400                | 0.653        |

**Notes:**

1. No evaluation was performed to determine the aggregate 1g SAR for these configurations as the SPLS ratio between the antenna pairs was less than 0.04 per FCC KDB 447498 D01v05. See Section 11.4 for detailed SPLS ratio analysis.
2. When the test separation distance was > 50 mm, an estimated SAR of 0.4 W/kg was used to determine simultaneous transmission SAR exclusion, for configurations excluded per FCC KDB Publication 447498 D01v05.
3. For SAR summation for body (back side at 4 mm), UMTS/LTE SAR values for 0 mm were used since the 0 mm test distance for UMTS/LTE SAR values were more conservative. "<" denotes that the 0 mm UMTS/LTE SAR values were used for summation purposes.
4. For SAR summation for body (back side at 24 mm), WLAN SAR values for 4 mm (back side) were used since the 4 mm (back side) test distance for WLAN SAR values were more conservative. Bluetooth SAR values for 0 mm were used since the 0 mm test distance for Bluetooth SAR values were more conservative. "<" denotes that the 4 mm WLAN SAR and 0 mm for Bluetooth SAR values were used for summation purposes.
5. For SAR summation for body (top edge at 24 mm), WLAN SAR values for 0 mm were used since the 0 mm test distance for WLAN SAR values were more conservative. "<" denotes that the 0 mm WLAN SAR values were used for summation purposes.
6. MIMO body SAR is determined by the sum of 1g single transmission chain SAR values because the summation represents higher output power and yields more conservative result per KDB 248227 D01v02r01.

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet | Page 75 of 101                                                                        |                                 |

## 11.4 SPLSR Evaluation and Analysis

Per FCC KDB Publication 447498 D01v05, when the sum of the standalone transmitters is more than 1.6 W/kg, 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  $\leq 0.04$ , simultaneous SAR evaluation is not required. The distance between the transmitters was calculated using the following formula.

$$\text{Distance}_{\text{Tx1} - \text{Tx2}} = R_i = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

$$\text{SPLS Ratio} = \frac{(SAR_1 + SAR_2)^{1.5}}{R_i}$$

**Table 11-12**  
**Peak SAR Locations for Body Back Side at 0 mm**

| Mode/Band                  | x (mm) | y (mm)  |
|----------------------------|--------|---------|
| Reduced 2.4 GHz WLAN Ant 1 | 16.00  | 76.00   |
| Reduced 2.4 GHz WLAN Ant 2 | -39.00 | 110.00  |
| Reduced 5 GHz WLAN Ant 1   | 20.00  | 68.00   |
| Reduced 5 GHz WLAN Ant 2   | -43.00 | 108.00  |
| Reduced UMTS 850 MHz       | -61.50 | -108.00 |
| Reduced UMTS 1900 MHz      | -84.00 | -102.00 |
| Reduced LTE B12            | -38.50 | -91.00  |
| Reduced LTE B13            | -62.00 | -115.00 |
| Reduced LTE B5             | -62.00 | -120.00 |
| Reduced LTE B4             | -69.00 | -120.50 |
| Reduced LTE B2             | -84.00 | -105.00 |

**Table 11-13**  
**Peak SAR Locations for Body Back Side at 4 mm**

| Mode/Band              | x (mm) | y (mm) |
|------------------------|--------|--------|
| Max 2.4 GHz WLAN Ant 1 | 10.80  | 77.20  |
| Max 2.4 GHz WLAN Ant 2 | -44.00 | 105.00 |
| Max 5 GHz WLAN Ant 1   | 18.00  | 78.00  |
| Max 5 GHz WLAN Ant 2   | -43.00 | 114.00 |

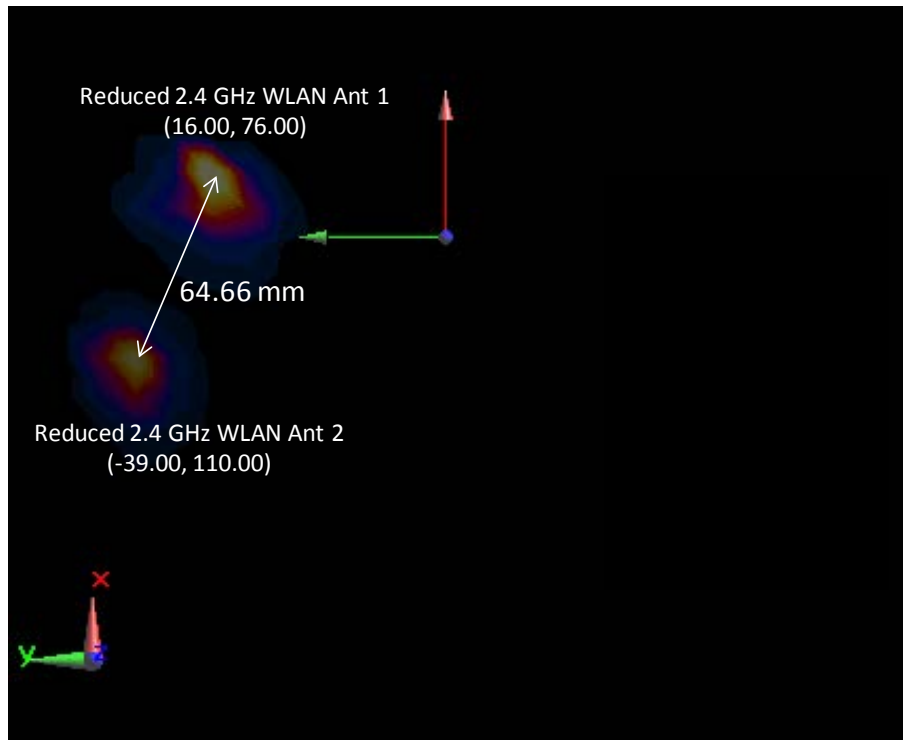
|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 76 of 101                         |

**Table 11-14**  
**SAR Sum to Peak Location Separation Ratio Calculations**

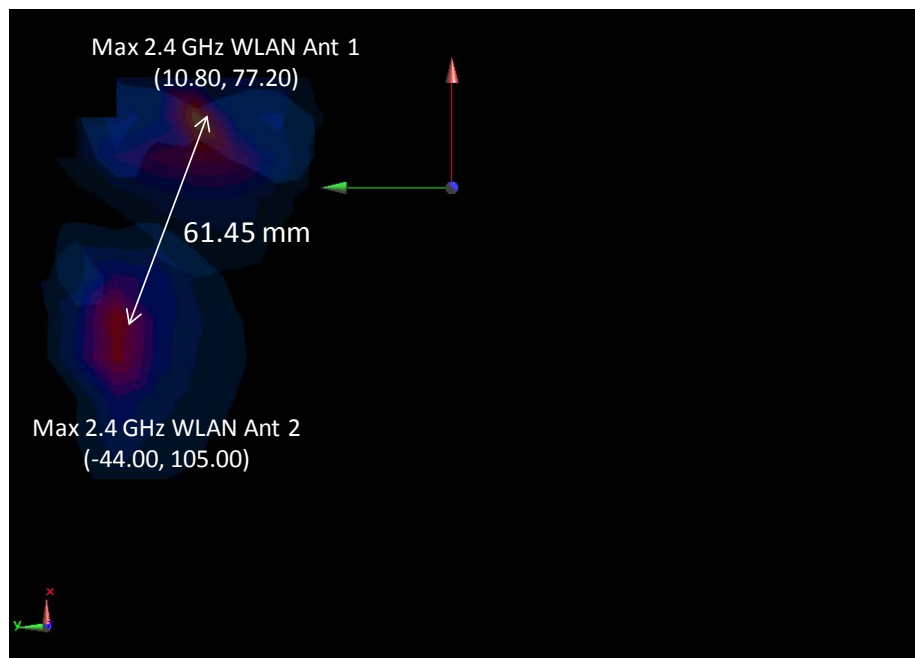
| Antenna Pair               |                            | Standalone 1g SAR (W/kg) |        | Standalone SAR Sum (W/kg) | Peak SAR Separation Distance (mm) | SPLS Ratio                             | Figure |
|----------------------------|----------------------------|--------------------------|--------|---------------------------|-----------------------------------|----------------------------------------|--------|
| Ant "a"                    | Ant "b"                    | a                        | b      | a+b                       | D <sub>a-b</sub>                  | (a+b) <sup>1.5</sup> /D <sub>a-b</sub> |        |
| Reduced 2.4 GHz WLAN Ant 1 | Reduced 2.4 GHz WLAN Ant 2 | 1.070                    | 0.463  | 1.533                     | 64.66                             | 0.03                                   | 11-1   |
| Max 2.4 GHz WLAN Ant 1     | Max 2.4 GHz WLAN Ant 2     | 0.834                    | 0.257  | 1.091                     | 61.45                             | 0.02                                   | 11-2   |
| Reduced 5 GHz WLAN Ant 1   | Reduced 5 GHz WLAN Ant 2   | 0.926                    | 1.007  | 1.933                     | 74.63                             | 0.04                                   | 11-3   |
| Max 5 GHz WLAN Ant 1       | Max 5 GHz WLAN Ant 2       | 0.417                    | 0.705  | 1.122                     | 70.83                             | 0.02                                   | 11-4   |
| Reduced UMTS 850 MHz       | Reduced 2.4 GHz WLAN Ant 1 | 0.955                    | 1.070  | 2.025                     | 199.66                            | 0.01                                   | 11-5   |
| Reduced UMTS 850 MHz       | Reduced 2.4 GHz WLAN Ant 2 | 0.955                    | 0.463  | 1.418                     | 219.16                            | 0.01                                   |        |
| Reduced UMTS 850 MHz       | Reduced 5 GHz WLAN Ant 1   | 0.955                    | 0.926  | 1.881                     | 193.95                            | 0.01                                   | 11-6   |
| Reduced UMTS 850 MHz       | Reduced 5 GHz WLAN Ant 2   | 0.955                    | 1.007  | 1.962                     | 216.79                            | 0.01                                   |        |
| Max 2.4 GHz WLAN Ant 1     | Reduced UMTS 850 MHz       | 0.834                    | <0.955 | <1.789                    | 198.81                            | <0.01                                  | 11-7   |
| Max 2.4 GHz WLAN Ant 2     | Reduced UMTS 850 MHz       | 0.257                    | <0.955 | <1.212                    | 213.72                            | <0.01                                  |        |
| Max 5 GHz WLAN Ant 1       | Reduced UMTS 850 MHz       | 0.417                    | <0.955 | <1.372                    | 202.28                            | <0.01                                  | 11-8   |
| Max 5 GHz WLAN Ant 2       | Reduced UMTS 850 MHz       | 0.705                    | <0.955 | <1.660                    | 222.77                            | <0.01                                  |        |
| Reduced UMTS 1900 MHz      | Reduced 2.4 GHz WLAN Ant 1 | 1.090                    | 1.070  | 2.160                     | 204.17                            | 0.02                                   | 11-9   |
| Reduced UMTS 1900 MHz      | Reduced 2.4 GHz WLAN Ant 2 | 1.090                    | 0.463  | 1.553                     | 216.72                            | 0.01                                   |        |
| Reduced UMTS 1900 MHz      | Reduced 5 GHz WLAN Ant 1   | 1.090                    | 0.926  | 2.016                     | 199.29                            | 0.01                                   | 11-10  |
| Reduced UMTS 1900 MHz      | Reduced 5 GHz WLAN Ant 2   | 1.090                    | 1.007  | 2.097                     | 213.97                            | 0.01                                   |        |
| Max 2.4 GHz WLAN Ant 1     | Reduced UMTS 1900 MHz      | 0.834                    | <1.090 | <1.924                    | 202.73                            | <0.01                                  | 11-11  |
| Max 2.4 GHz WLAN Ant 2     | Reduced UMTS 1900 MHz      | 0.257                    | <1.090 | <1.347                    | 210.83                            | <0.01                                  |        |
| Max 5 GHz WLAN Ant 1       | Reduced UMTS 1900 MHz      | 0.417                    | <1.090 | <1.507                    | 206.89                            | <0.01                                  | 11-12  |
| Max 5 GHz WLAN Ant 2       | Reduced UMTS 1900 MHz      | 0.705                    | <1.090 | <1.795                    | 219.86                            | <0.01                                  |        |
| Reduced LTE B12            | Reduced 2.4 GHz WLAN Ant 1 | 0.715                    | 1.070  | 1.785                     | 175.67                            | 0.01                                   | 11-13  |
| Reduced LTE B12            | Reduced 2.4 GHz WLAN Ant 2 | 0.715                    | 0.463  | 1.178                     | 201.00                            | 0.01                                   |        |
| Reduced LTE B12            | Reduced 5 GHz WLAN Ant 1   | 0.715                    | 0.926  | 1.641                     | 169.42                            | 0.01                                   | 11-14  |
| Reduced LTE B12            | Reduced 5 GHz WLAN Ant 2   | 0.715                    | 1.007  | 1.722                     | 199.05                            | 0.01                                   |        |
| Max 2.4 GHz WLAN Ant 1     | Reduced LTE B12            | 0.834                    | <0.715 | <1.549                    | 175.28                            | <0.01                                  | 11-15  |
| Max 2.4 GHz WLAN Ant 2     | Reduced LTE B12            | 0.257                    | <0.715 | <0.972                    | 196.08                            | <0.01                                  |        |
| Max 5 GHz WLAN Ant 1       | Reduced LTE B12            | 0.417                    | <0.715 | <1.132                    | 178.19                            | <0.01                                  | 11-16  |
| Max 5 GHz WLAN Ant 2       | Reduced LTE B12            | 0.705                    | <0.715 | <1.420                    | 205.05                            | <0.01                                  |        |
| Reduced LTE B13            | Reduced 2.4 GHz WLAN Ant 1 | 0.992                    | 1.070  | 2.062                     | 206.31                            | 0.01                                   | 11-17  |
| Reduced LTE B13            | Reduced 2.4 GHz WLAN Ant 2 | 0.992                    | 0.463  | 1.455                     | 226.17                            | 0.01                                   |        |
| Reduced LTE B13            | Reduced 5 GHz WLAN Ant 1   | 0.992                    | 0.926  | 1.918                     | 200.53                            | 0.01                                   | 11-18  |
| Reduced LTE B13            | Reduced 5 GHz WLAN Ant 2   | 0.992                    | 1.007  | 1.999                     | 223.81                            | 0.01                                   |        |
| Max 2.4 GHz WLAN Ant 1     | Reduced LTE B13            | 0.834                    | <0.992 | <1.826                    | 205.53                            | <0.01                                  | 11-19  |
| Max 2.4 GHz WLAN Ant 2     | Reduced LTE B13            | 0.257                    | <0.992 | <1.249                    | 220.74                            | <0.01                                  |        |
| Max 5 GHz WLAN Ant 1       | Reduced LTE B13            | 0.417                    | <0.992 | <1.409                    | 208.92                            | <0.01                                  | 11-20  |
| Max 5 GHz WLAN Ant 2       | Reduced LTE B13            | 0.705                    | <0.992 | <1.697                    | 229.79                            | <0.01                                  |        |
| Reduced LTE B5             | Reduced 2.4 GHz WLAN Ant 1 | 1.037                    | 1.070  | 2.107                     | 210.95                            | 0.01                                   | 11-21  |
| Reduced LTE B5             | Reduced 2.4 GHz WLAN Ant 2 | 1.037                    | 0.463  | 1.500                     | 231.15                            | 0.01                                   |        |
| Reduced LTE B5             | Reduced 5 GHz WLAN Ant 1   | 1.037                    | 0.926  | 1.963                     | 205.11                            | 0.01                                   | 11-22  |
| Reduced LTE B5             | Reduced 5 GHz WLAN Ant 2   | 1.037                    | 1.007  | 2.044                     | 228.79                            | 0.01                                   |        |
| Max 2.4 GHz WLAN Ant 1     | Reduced LTE B5             | 0.834                    | <1.037 | <1.871                    | 210.21                            | <0.01                                  | 11-23  |
| Max 2.4 GHz WLAN Ant 2     | Reduced LTE B5             | 0.257                    | <1.037 | <1.294                    | 225.72                            | <0.01                                  |        |
| Max 5 GHz WLAN Ant 1       | Reduced LTE B5             | 0.417                    | <1.037 | <1.454                    | 213.55                            | <0.01                                  | 11-24  |
| Max 5 GHz WLAN Ant 2       | Reduced LTE B5             | 0.705                    | <1.037 | <1.742                    | 234.77                            | <0.01                                  |        |
| Reduced LTE B4             | Reduced 2.4 GHz WLAN Ant 1 | 0.620                    | 1.070  | 1.690                     | 214.10                            | 0.01                                   | 11-25  |
| Reduced LTE B4             | Reduced 2.4 GHz WLAN Ant 2 | 0.620                    | 0.463  | 1.083                     | 232.44                            | 0.01                                   |        |
| Reduced LTE B4             | Reduced 5 GHz WLAN Ant 1   | 0.620                    | 0.926  | 1.546                     | 208.45                            | 0.01                                   | 11-26  |
| Reduced LTE B4             | Reduced 5 GHz WLAN Ant 2   | 0.620                    | 1.007  | 1.627                     | 229.97                            | 0.01                                   |        |
| Max 2.4 GHz WLAN Ant 1     | Reduced LTE B4             | 0.834                    | <0.620 | <1.454                    | 213.20                            | <0.01                                  | 11-27  |
| Max 2.4 GHz WLAN Ant 2     | Reduced LTE B4             | 0.257                    | <0.620 | <0.877                    | 226.88                            | <0.00                                  |        |
| Max 5 GHz WLAN Ant 1       | Reduced LTE B4             | 0.417                    | <0.620 | <1.037                    | 216.73                            | <0.01                                  | 11-28  |
| Max 5 GHz WLAN Ant 2       | Reduced LTE B4             | 0.705                    | <0.620 | <1.325                    | 235.94                            | <0.01                                  |        |
| Reduced LTE B2             | Reduced 2.4 GHz WLAN Ant 1 | 1.100                    | 1.070  | 2.170                     | 206.79                            | 0.02                                   | 11-29  |
| Reduced LTE B2             | Reduced 2.4 GHz WLAN Ant 2 | 1.100                    | 0.463  | 1.563                     | 219.66                            | 0.01                                   |        |
| Reduced LTE B2             | Reduced 5 GHz WLAN Ant 1   | 1.100                    | 0.926  | 2.026                     | 201.85                            | 0.01                                   | 11-30  |
| Reduced LTE B2             | Reduced 5 GHz WLAN Ant 2   | 1.100                    | 1.007  | 2.107                     | 216.91                            | 0.01                                   |        |
| Max 2.4 GHz WLAN Ant 1     | Reduced LTE B2             | 0.834                    | <1.100 | <1.934                    | 205.39                            | <0.01                                  | 11-31  |
| Max 2.4 GHz WLAN Ant 2     | Reduced LTE B2             | 0.257                    | <1.100 | <1.357                    | 213.78                            | <0.01                                  |        |
| Max 5 GHz WLAN Ant 1       | Reduced LTE B2             | 0.417                    | <1.100 | <1.517                    | 209.51                            | <0.01                                  | 11-32  |
| Max 5 GHz WLAN Ant 2       | Reduced LTE B2             | 0.705                    | <1.100 | <1.805                    | 222.81                            | <0.01                                  |        |

Note: Max and Reduced 2.4 and 5 GHz WLAN (Figures 11 – 1 through 11 – 4) are also represented on subsequently followed figures to show the maximum SPLSR among the possible simultaneous transmission.

|                                             |                                                                                     |                                     |                                                                                       |                                        |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                           | <b>DUT Type:</b><br>Portable Tablet | Page 77 of 101                                                                        |                                        |

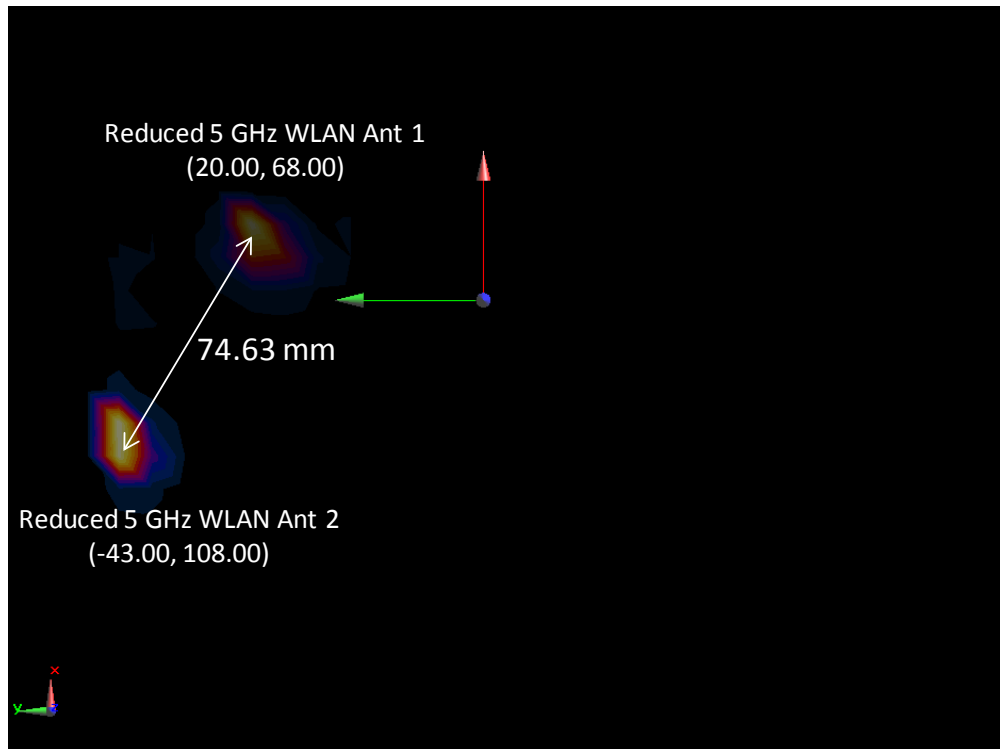


**Figure 11-1**  
**Peak SAR Locations of Reduced 2.4 GHz WLAN Antennas**

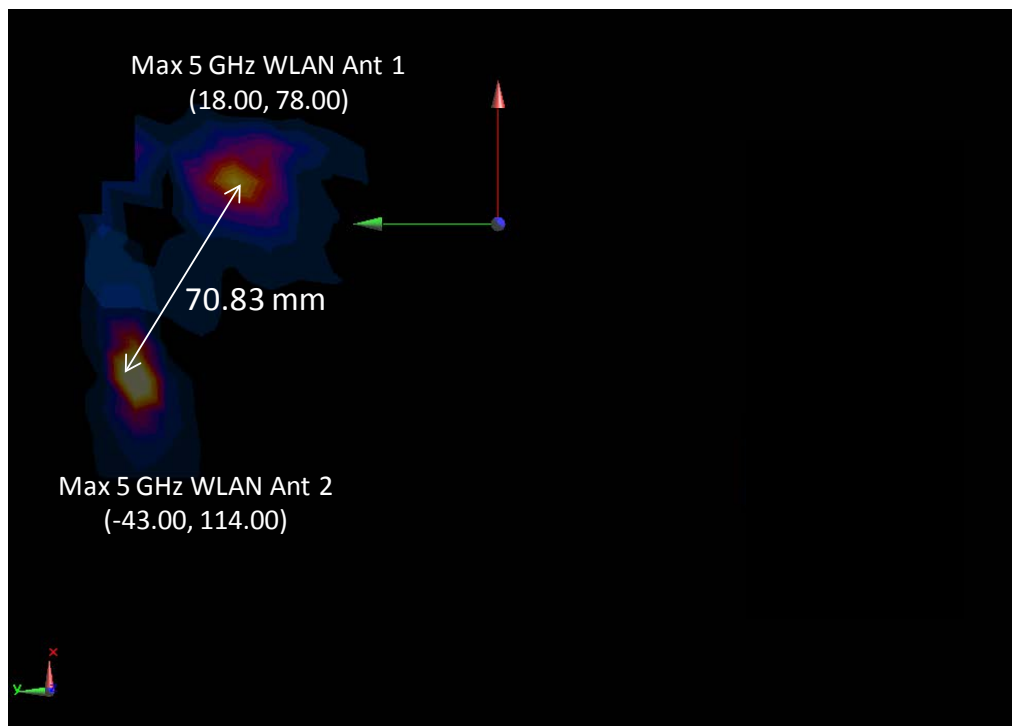


**Figure 11-2**  
**Peak SAR Locations of Max 2.4 GHz WLAN Antennas**

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet | Page 78 of 101                                                                        |                                        |



**Figure 11-3**  
**Peak SAR Locations of Reduced 5 GHz WLAN Antennas**



**Figure 11-4**  
**Peak SAR Locations of Max 5 GHz WLAN Antennas**

|                                             |                                                                                                                                                     |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          | <br><b>PCTEST</b><br><small>ENGINEERING LABORATORY, INC.</small> | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                                           | <b>DUT Type:</b><br>Portable Tablet | Page 79 of 101                                                                        |                                        |

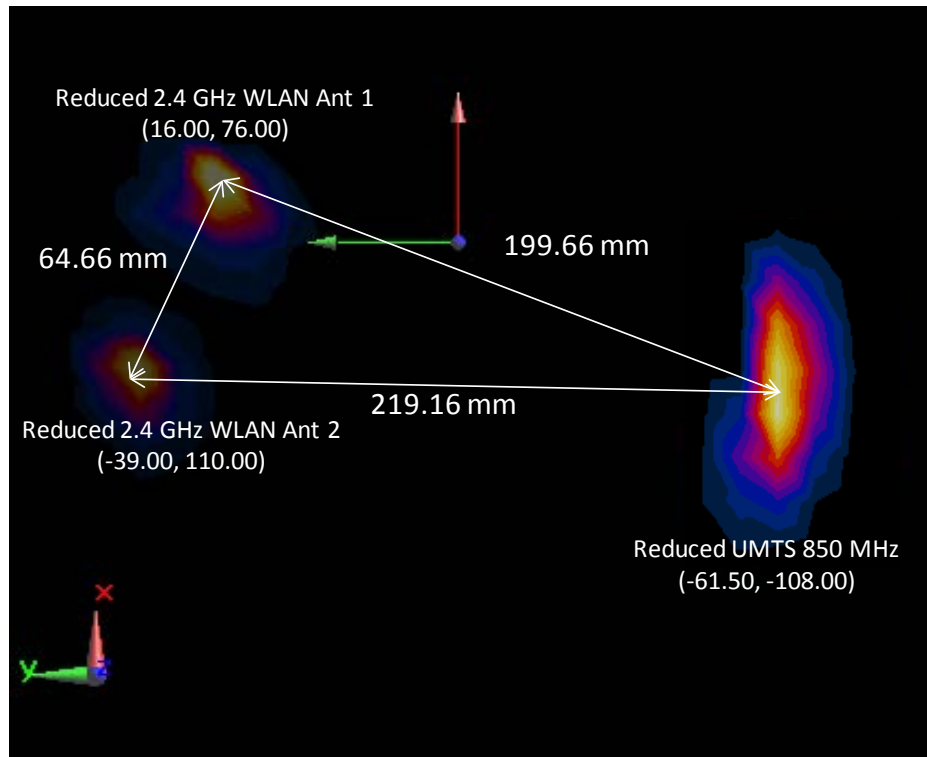


Figure 11-5

Peak SAR Locations of Reduced 2.4 GHz WLAN Antennas and Reduced UMTS 850 MHz

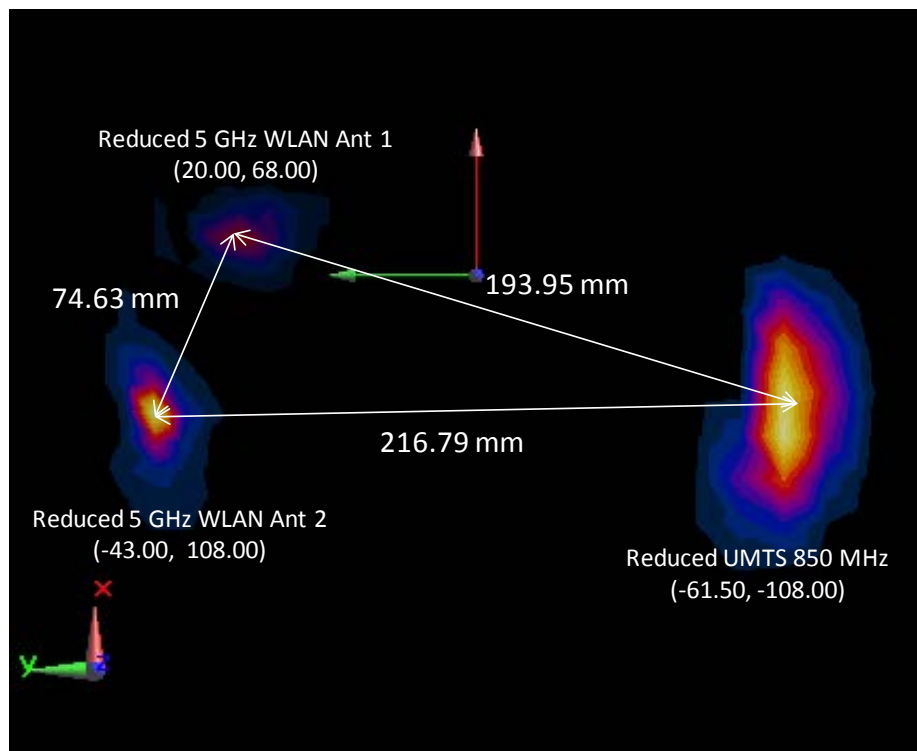
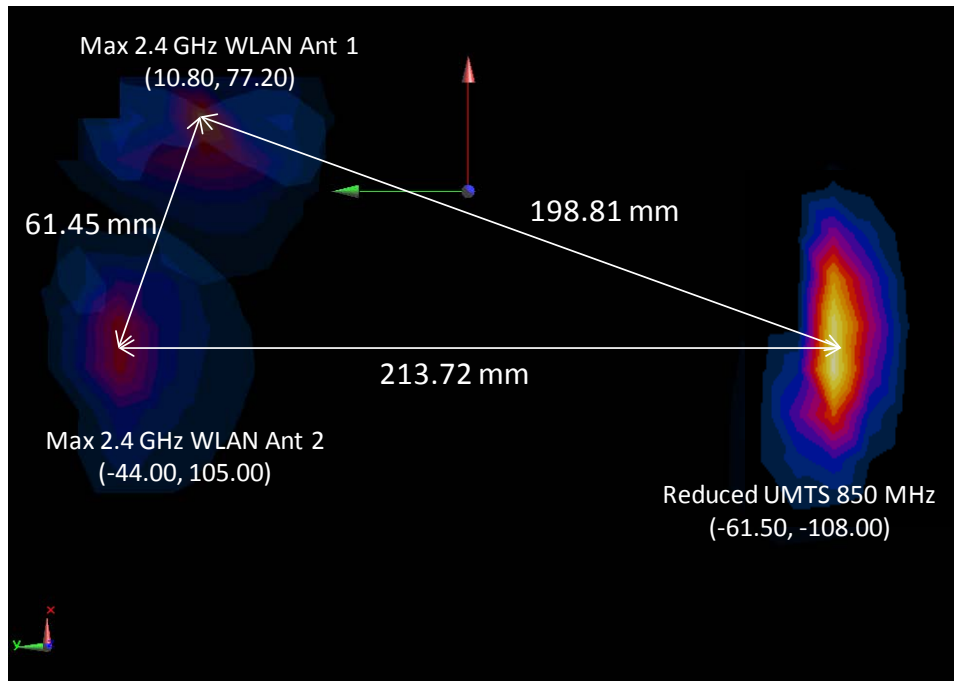


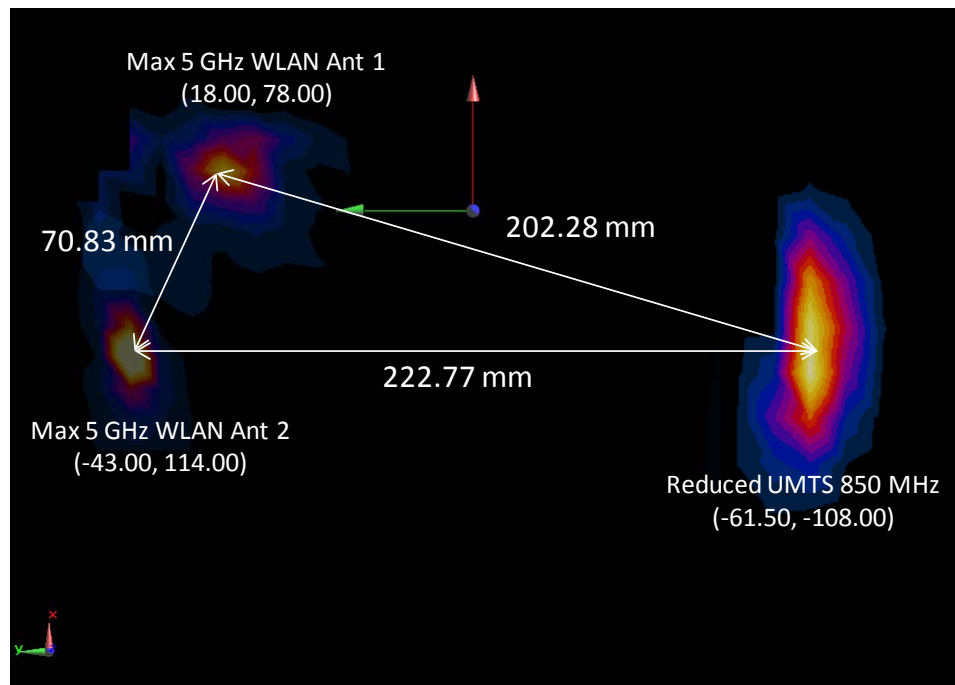
Figure 11-6

Peak SAR Locations of Reduced 5 GHz WLAN Antennas and Reduced UMTS 850 MHz

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
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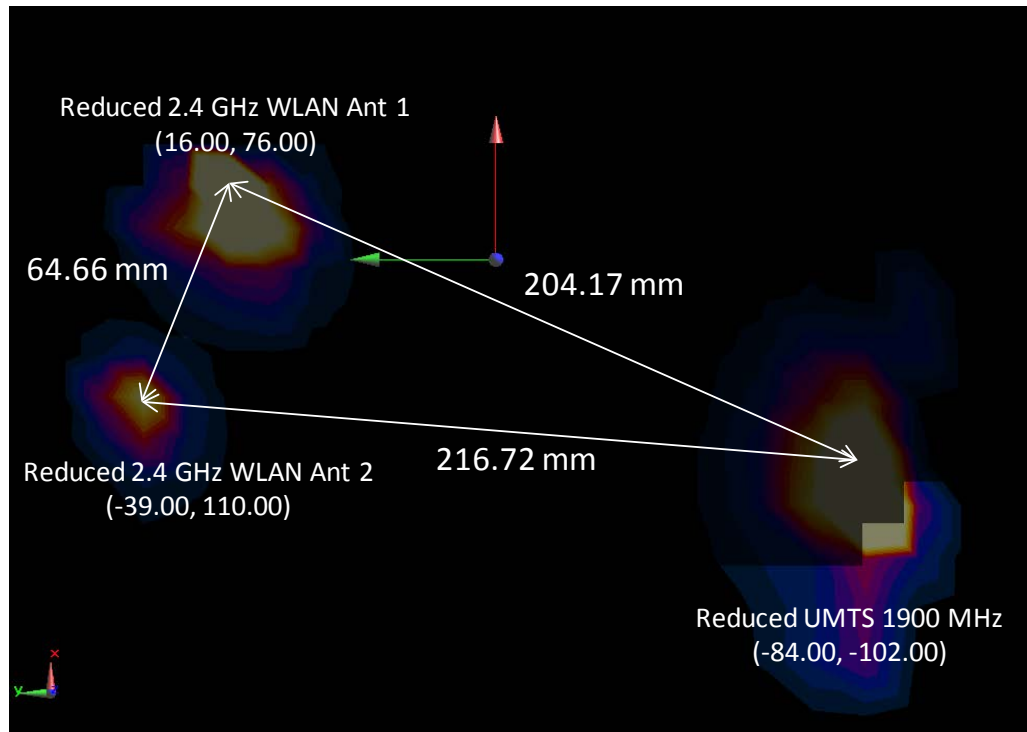


**Figure 11-7**  
**Peak SAR Locations of Max 2.4 GHz WLAN Antennas and Reduced UMTS 850 MHz**

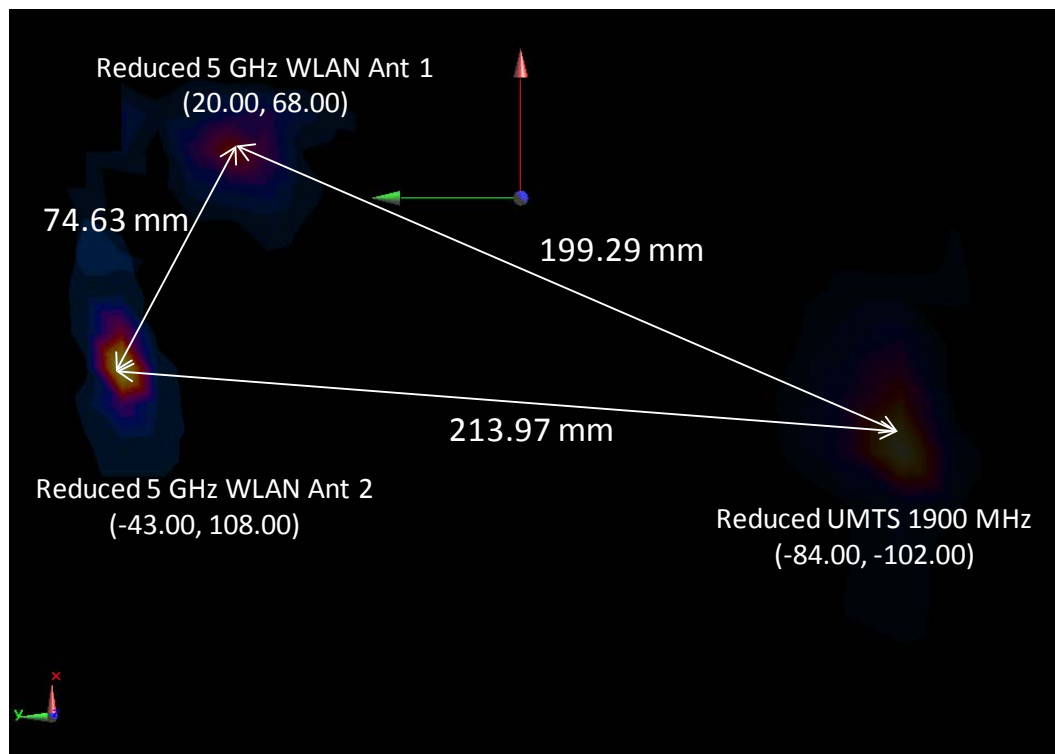


**Figure 11-8**  
**Peak SAR Locations of Max 5 GHz WLAN Antennas and Reduced UMTS 850 MHz**

|                                            |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                         |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L       | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet | Page 81 of 101                                                                        |                                 |
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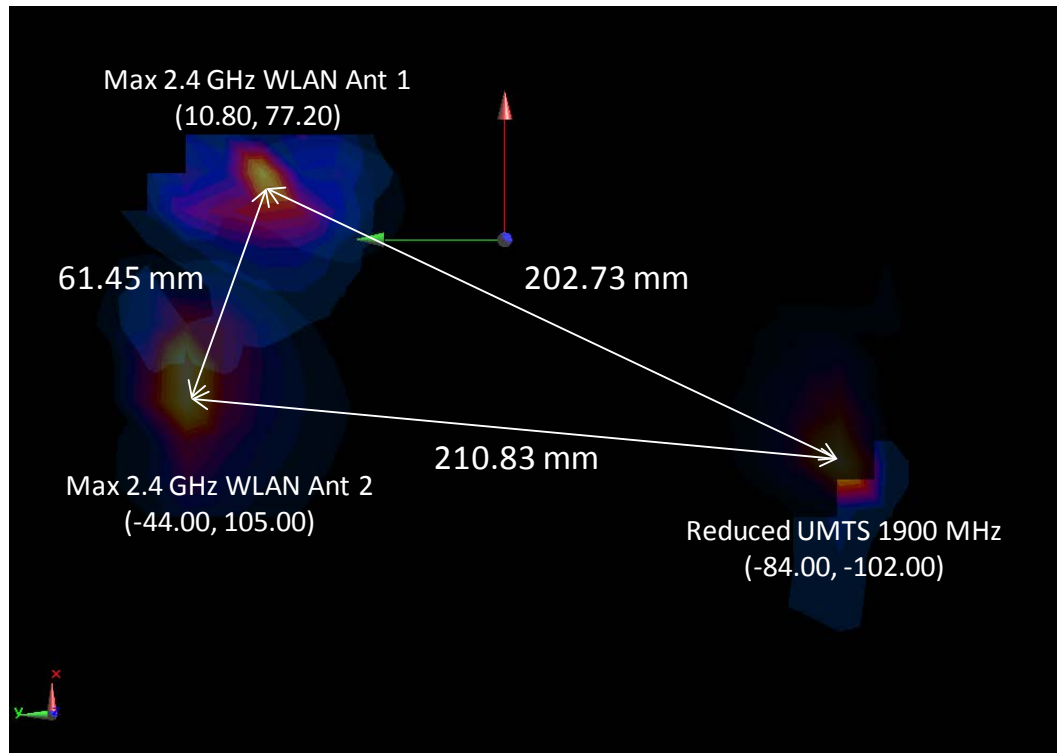


**Figure 11-9**  
**Peak SAR Locations of Reduced 2.4 GHz WLAN Antennas and Reduced UMTS 1900 MHz**

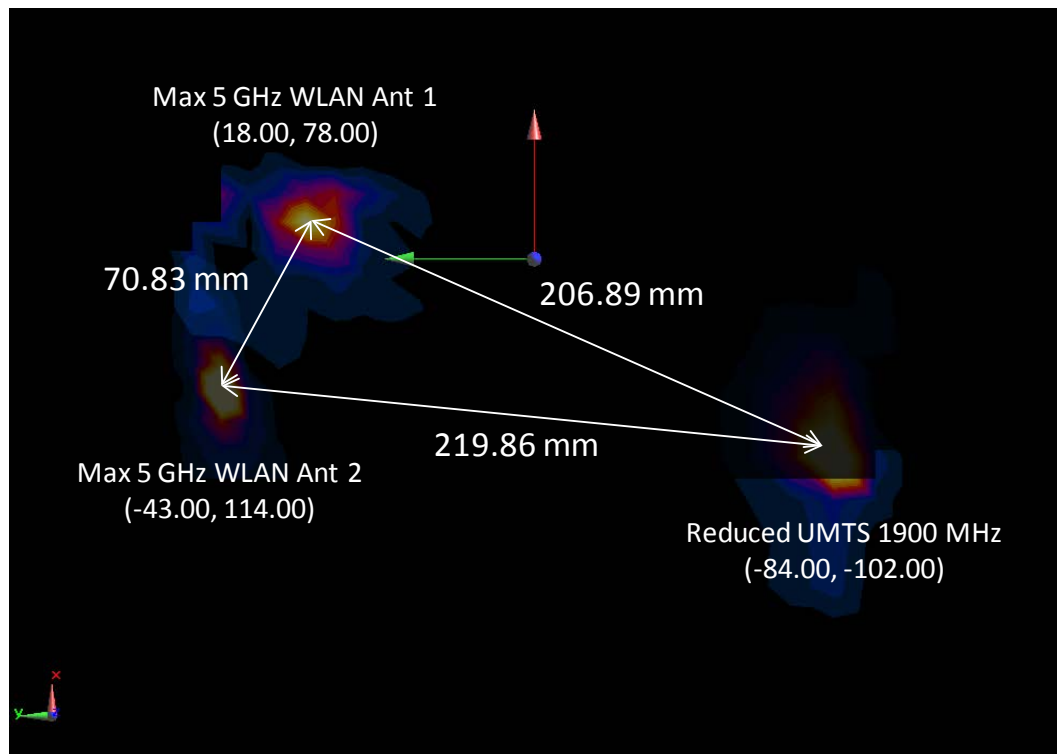


**Figure 11-10**  
**Peak SAR Locations of Reduced 5 GHz WLAN Antennas and Reduced UMTS 1900 MHz**

|                                      |                                                                                                                               |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   | <br>PCTEST<br>ENGINEERING LABORATORY, INC. | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>0Y1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                            | DUT Type:<br>Portable Tablet | Page 82 of 101                                                                        |                                 |

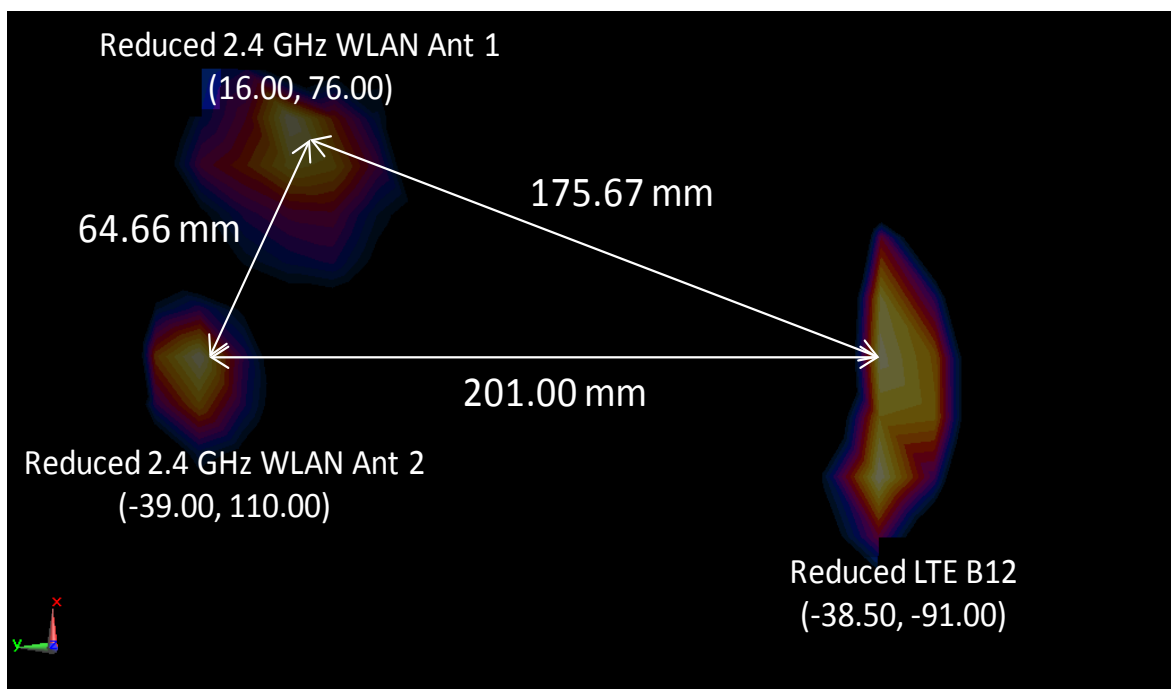


**Figure 11-11**  
**Peak SAR Locations of Max 2.4 GHz WLAN Antennas and Reduced UMTS 1900 MHz**

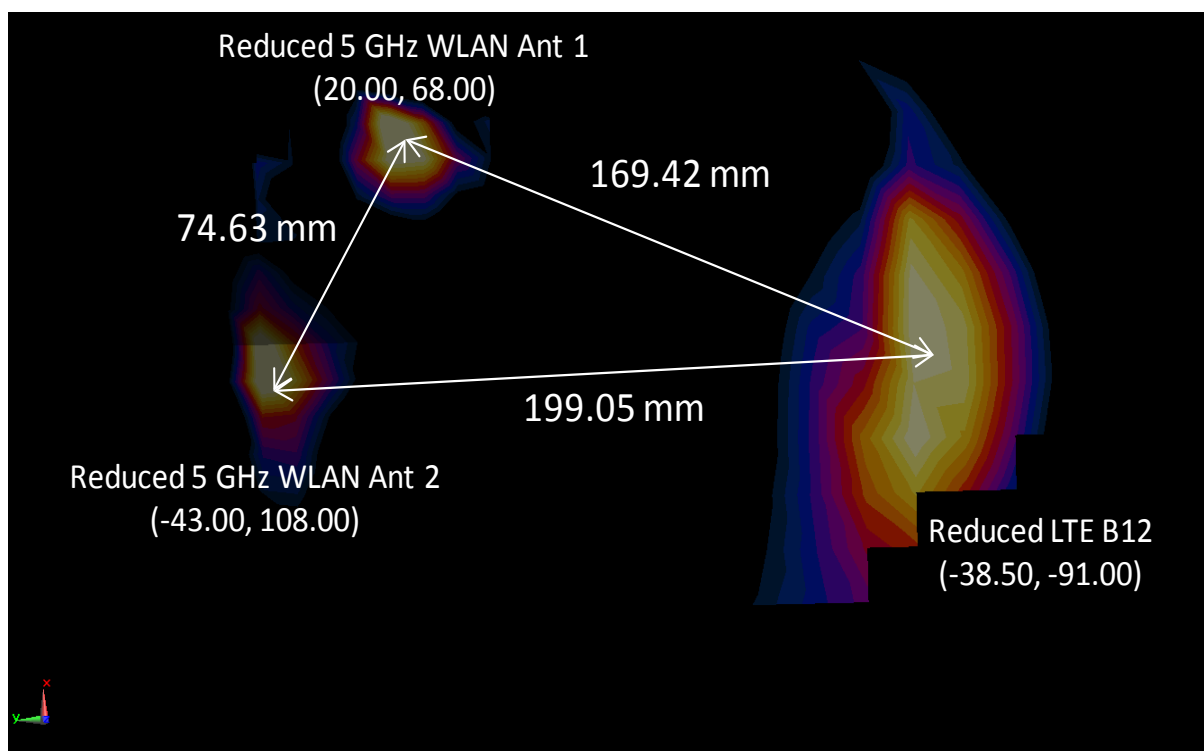


**Figure 11-12**  
**Peak SAR Locations of Max 5 GHz WLAN Antennas and Reduced UMTS 1900 MHz**

|                                      |                                                                                                                               |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   | <br>PCTEST<br>ENGINEERING LABORATORY, INC. | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                            | DUT Type:<br>Portable Tablet | Page 83 of 101                                                                        |                                 |

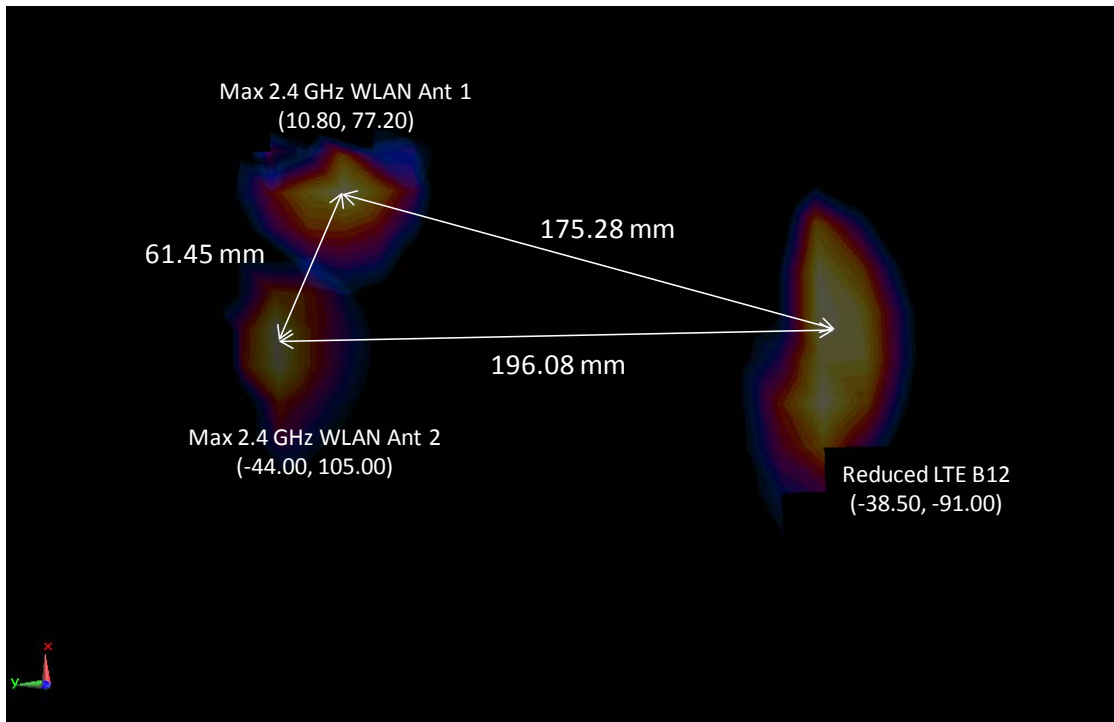


**Figure 11-13**  
**Peak SAR Locations of Reduced 2.4 GHz WLAN Antennas and Reduced LTE B12**

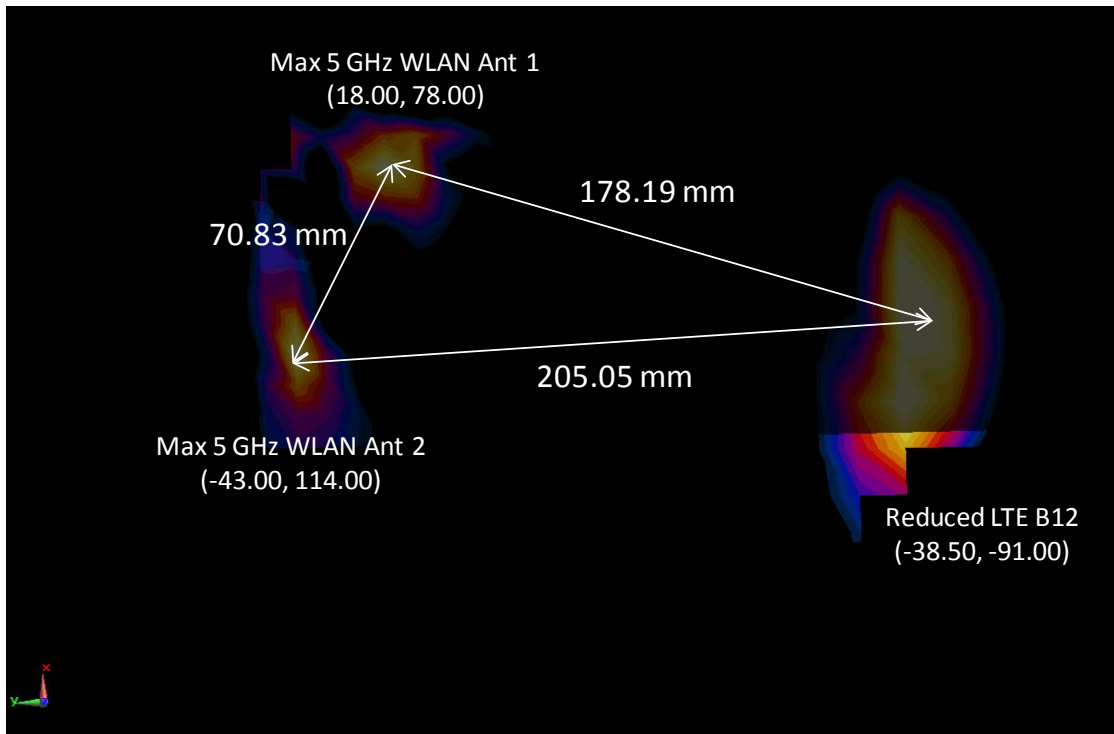


**Figure 11-14**  
**Peak SAR Locations of Reduced 5 GHz WLAN Antennas and Reduced LTE B12**

|                                            |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                         |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L       | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 84 of 101                  |
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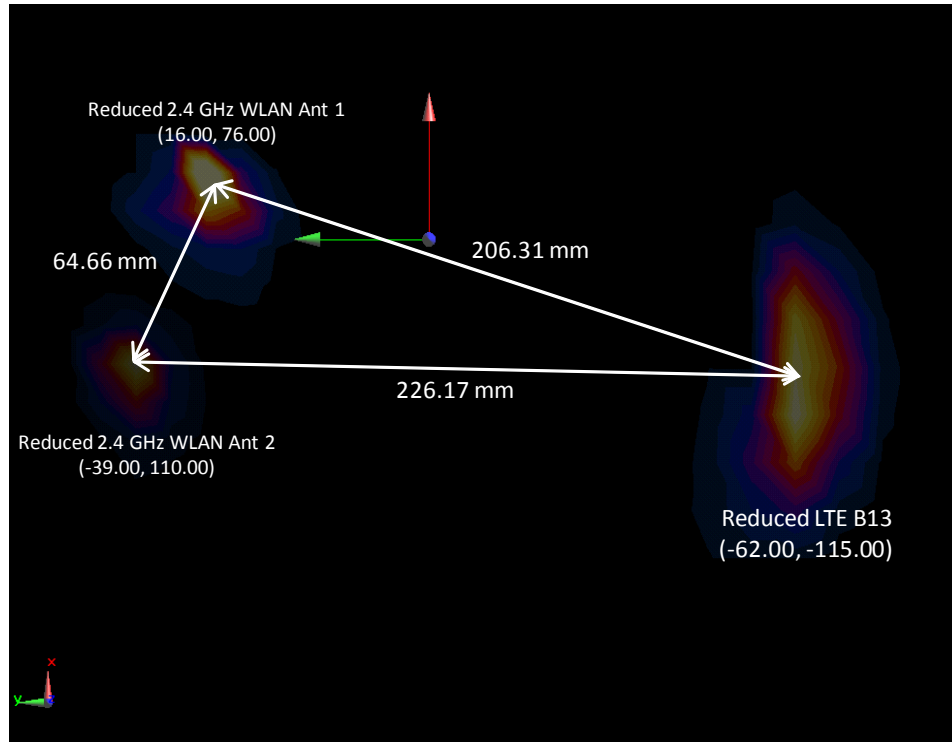


**Figure 11-15**  
**Peak SAR Locations of Max 2.4 GHz WLAN Antennas and Reduced LTE B12**

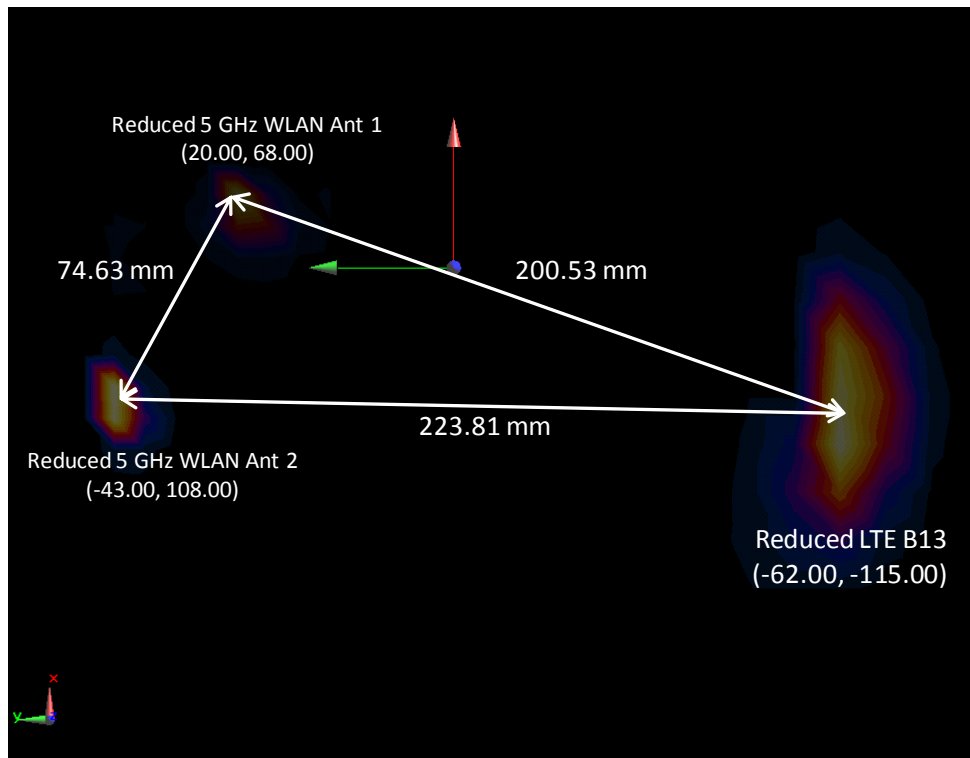


**Figure 11-16**  
**Peak SAR Locations of Max 5 GHz WLAN Antennas and Reduced LTE B12**

|                                      |                                                                                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   | <br><b>PCTEST</b><br><small>ENGINEERING LABORATORY, INC.</small> | <b>SAR EVALUATION REPORT</b> |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 85 of 101                  |

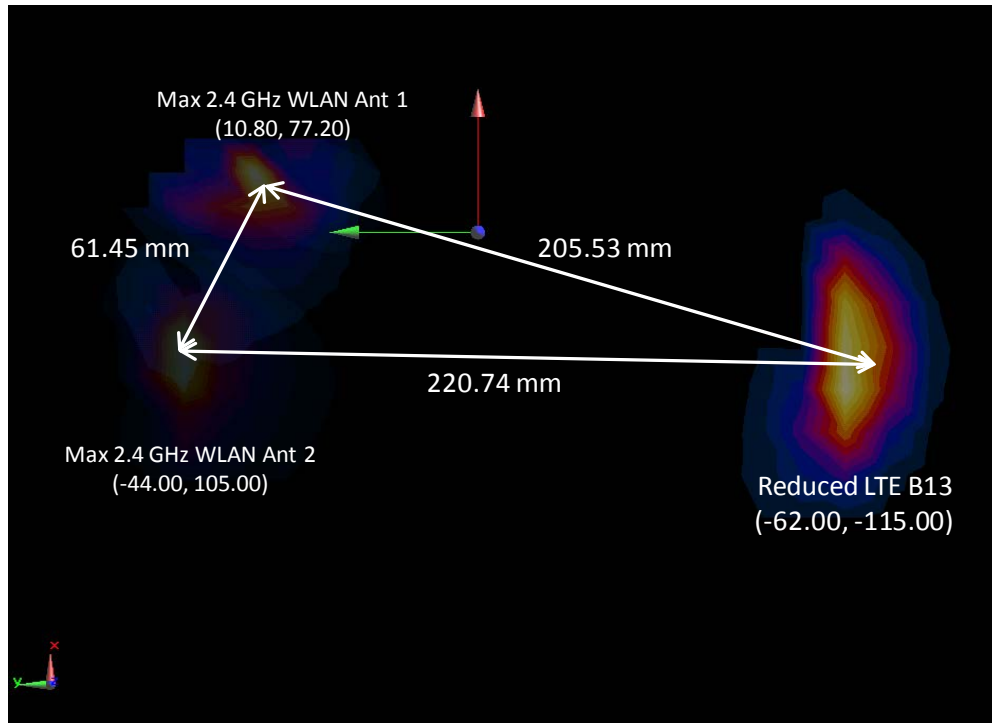


**Figure 11-17**  
Peak SAR Locations of Reduced 2.4 GHz WLAN Antennas and Reduced LTE B13

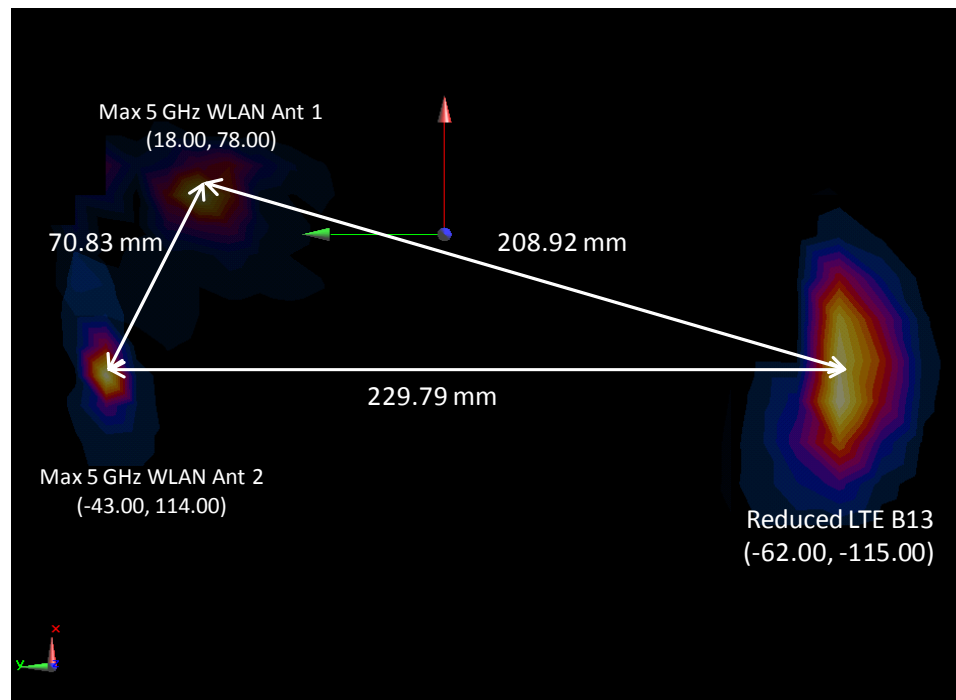


**Figure 11-18**  
Peak SAR Locations of Reduced 5 GHz WLAN Antennas and Reduced LTE B13

|                                      |                                                                                                                                   |                              |                                                                                       |                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                   |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b> |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                                                                | DUT Type:<br>Portable Tablet |                                                                                       | Page 86 of 101                  |

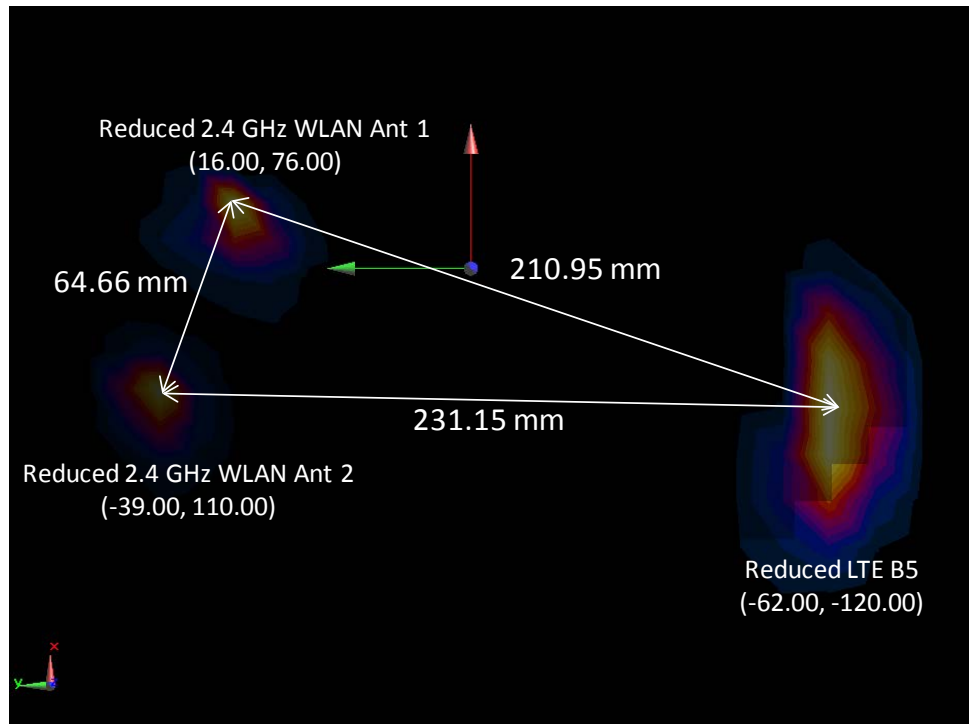


**Figure 11-19**  
Peak SAR Locations of Max 2.4 GHz WLAN Antennas and Reduced LTE B13

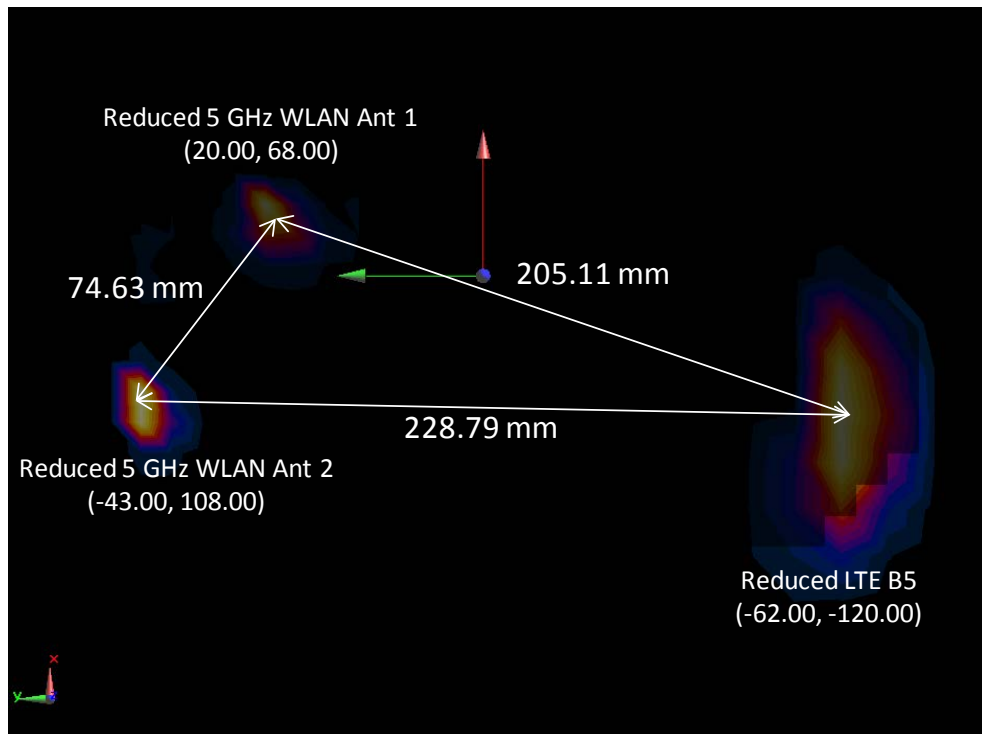


**Figure 11-20**  
Peak SAR Locations of Max 5 GHz WLAN Antennas and Reduced LTE B13

|                                            |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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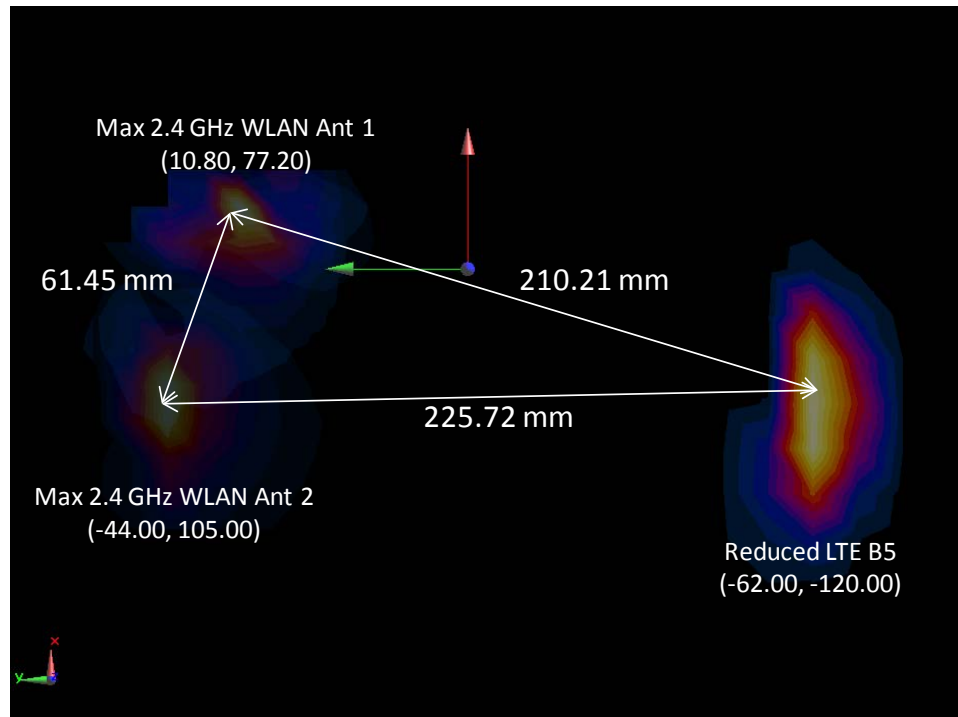


**Figure 11-21**  
Peak SAR Locations of Reduced 2.4 GHz WLAN Antennas and Reduced LTE B5

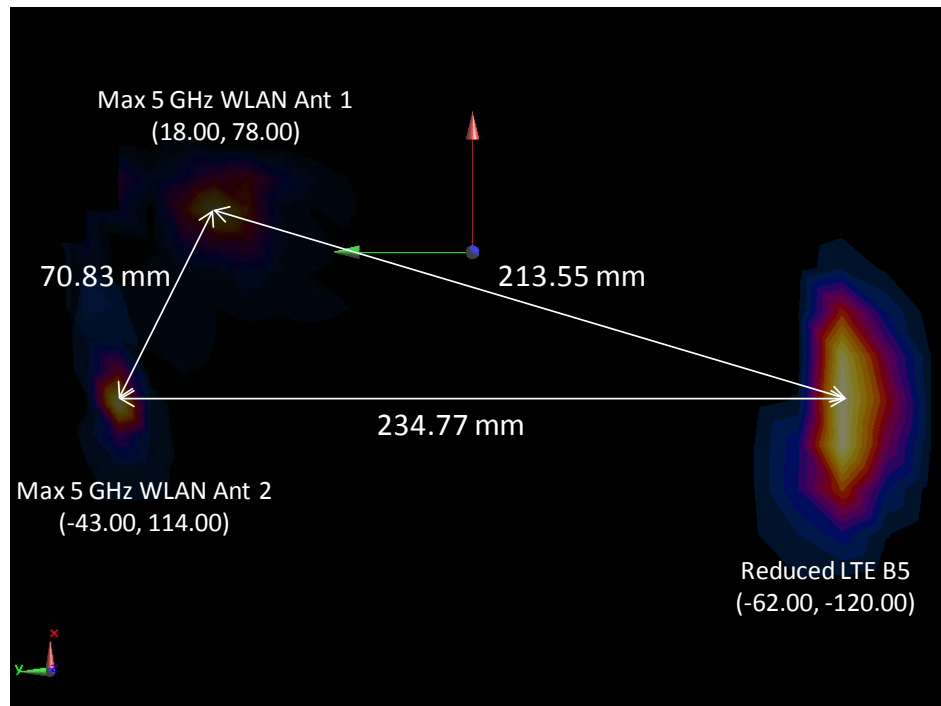


**Figure 11-22**  
Peak SAR Locations of Reduced 5 GHz WLAN Antennas and Reduced LTE B5

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: A3LSMT817W                          |  <b>PCTEST</b><br>ENGINEERING LABORATORY, INC. | <b>SAR EVALUATION REPORT</b>        |  | <b>Reviewed by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 88 of 101                         |
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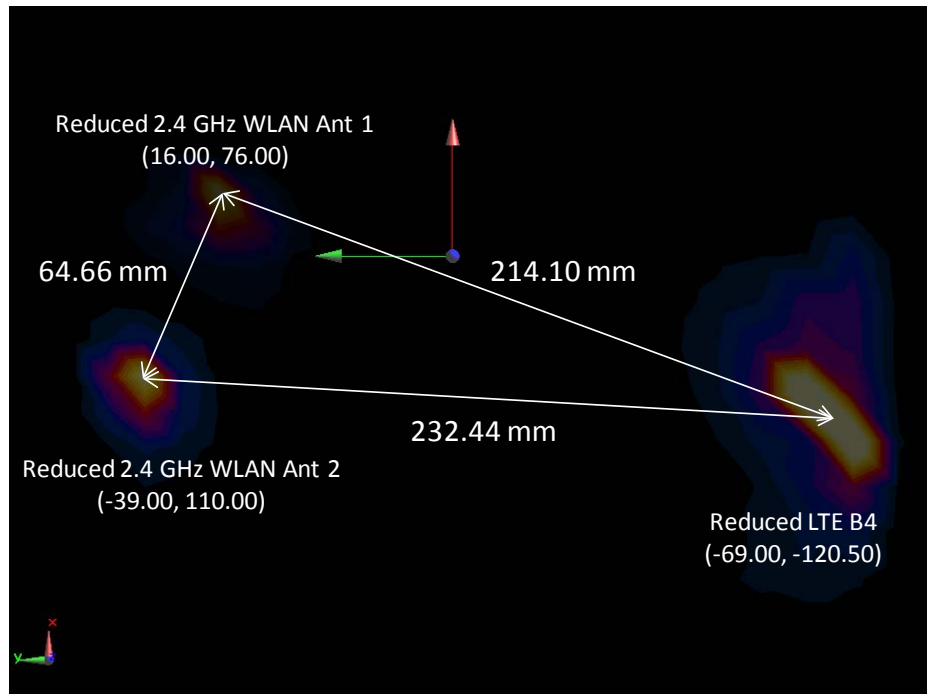


**Figure 11-23**  
**Peak SAR Locations of Max 2.4 GHz WLAN Antennas and Reduced LTE B5**

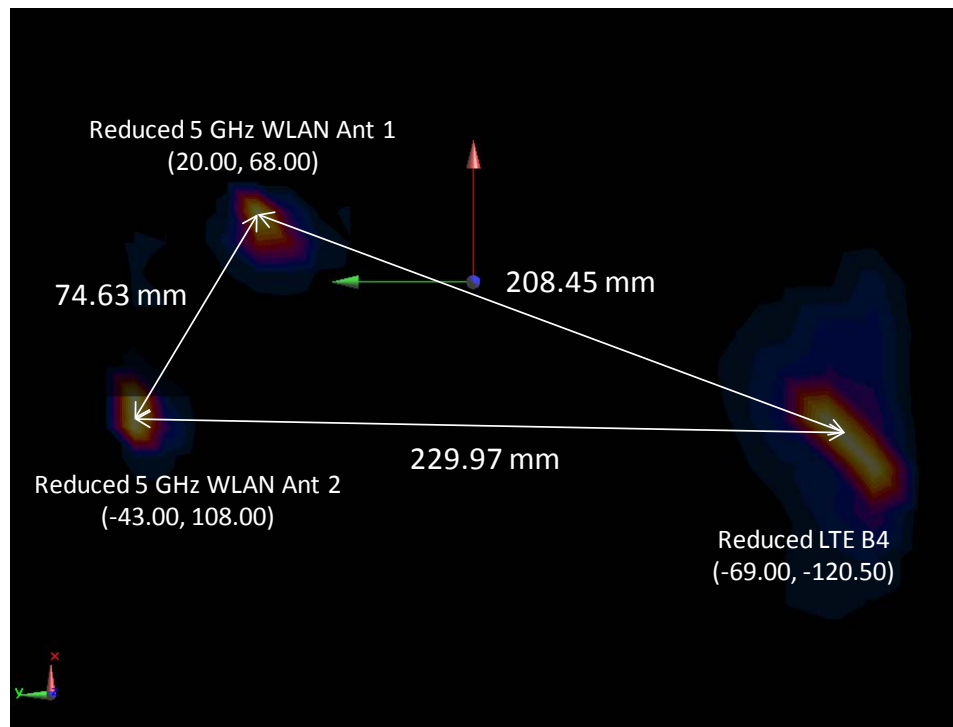


**Figure 11-24**  
**Peak SAR Locations of Max 5 GHz WLAN Antennas and Reduced LTE B5**

|                                            |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>OY1506221321-R1.A3L       | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 89 of 101                  |
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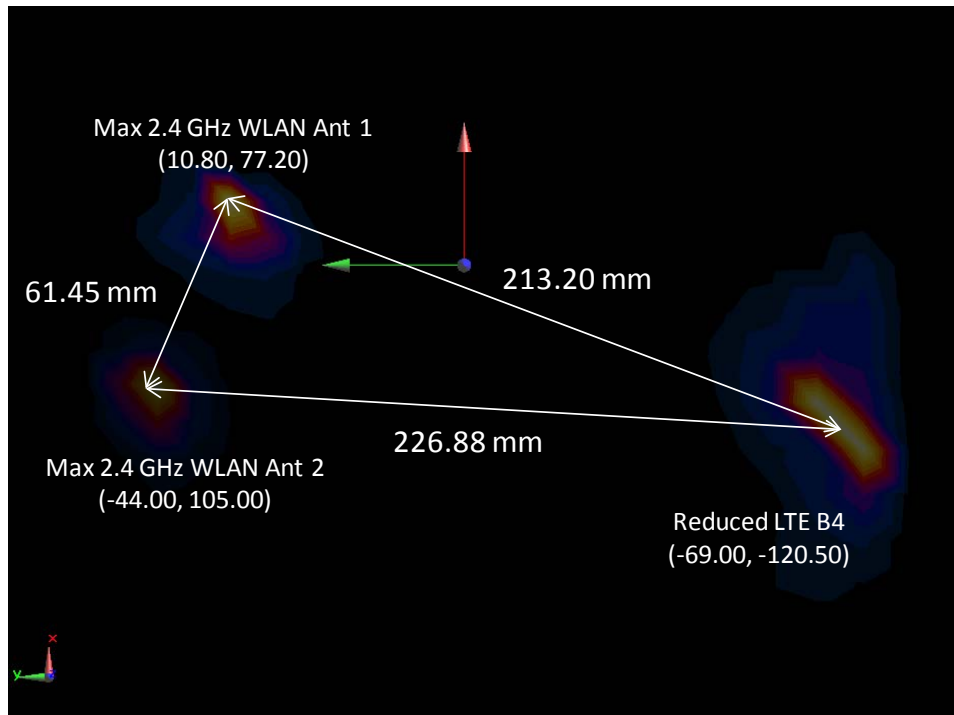


**Figure 11-25**  
Peak SAR Locations of Reduced 2.4 GHz WLAN Antennas and Reduced LTE B4

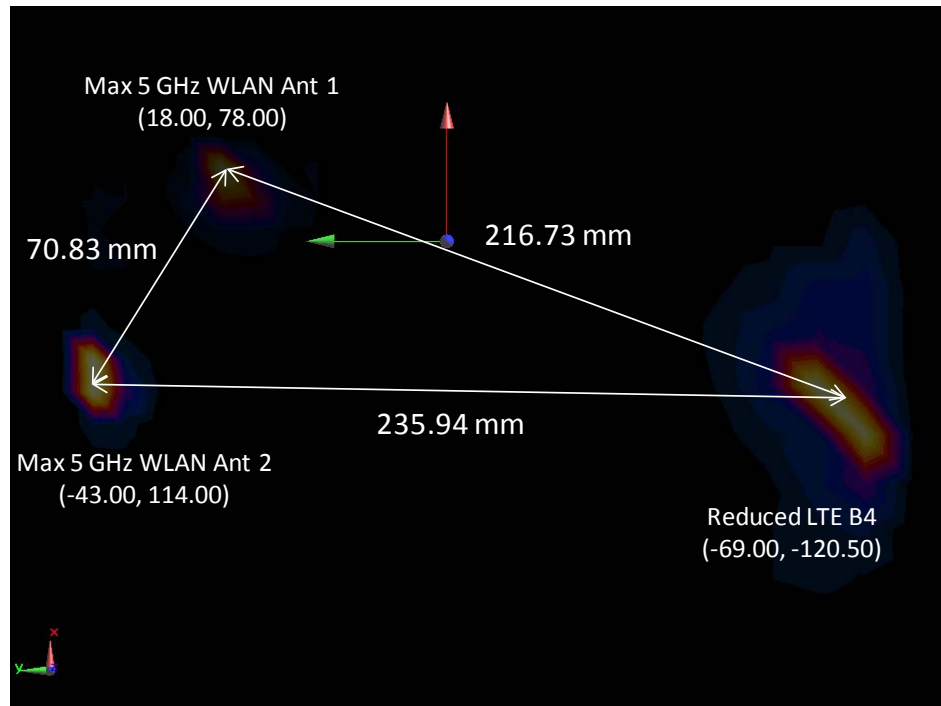


**Figure 11-26**  
Peak SAR Locations of Reduced 5 GHz WLAN Antennas and Reduced LTE B4

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                                                                         | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 90 of 101                         |
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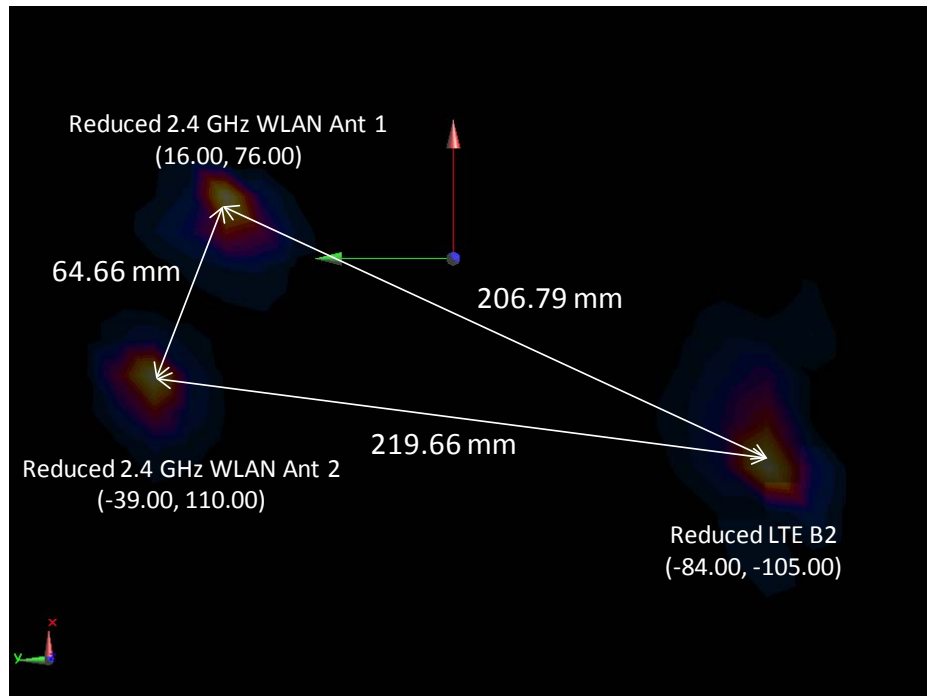


**Figure 11-27**  
Peak SAR Locations of Max 2.4 GHz WLAN Antennas and Reduced LTE B4

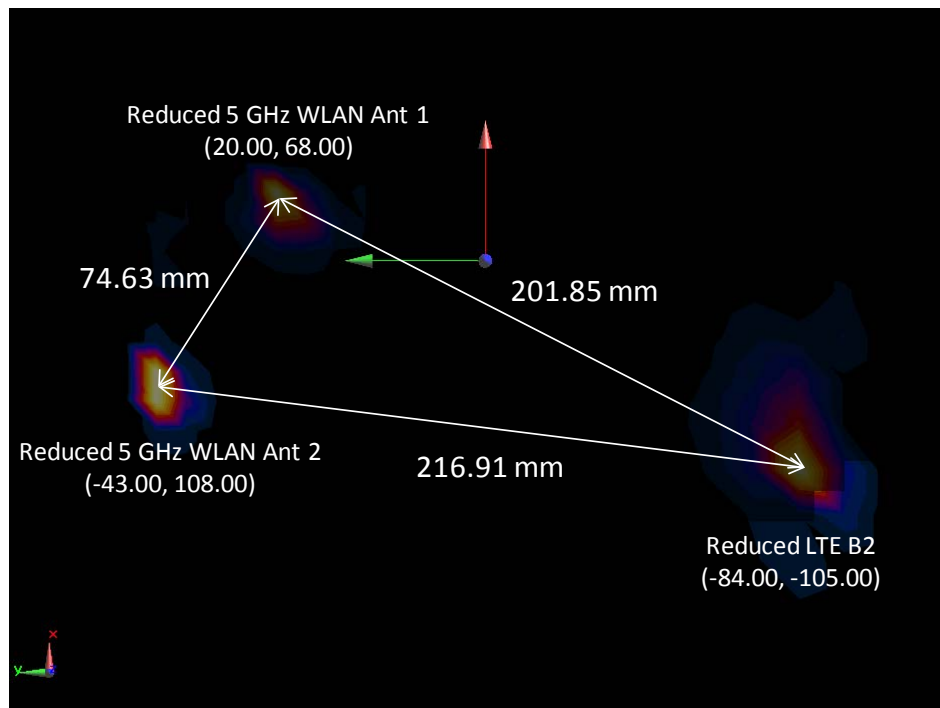


**Figure 11-28**  
Peak SAR Locations of Max 5 GHz WLAN Antennas and Reduced LTE B4

|                                            |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: A3LSMT817W                         |  | SAR EVALUATION REPORT        |  | Reviewed by:<br>Quality Manager |
| Document S/N:<br>OY1506221321-R1.A3L       | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 91 of 101                  |
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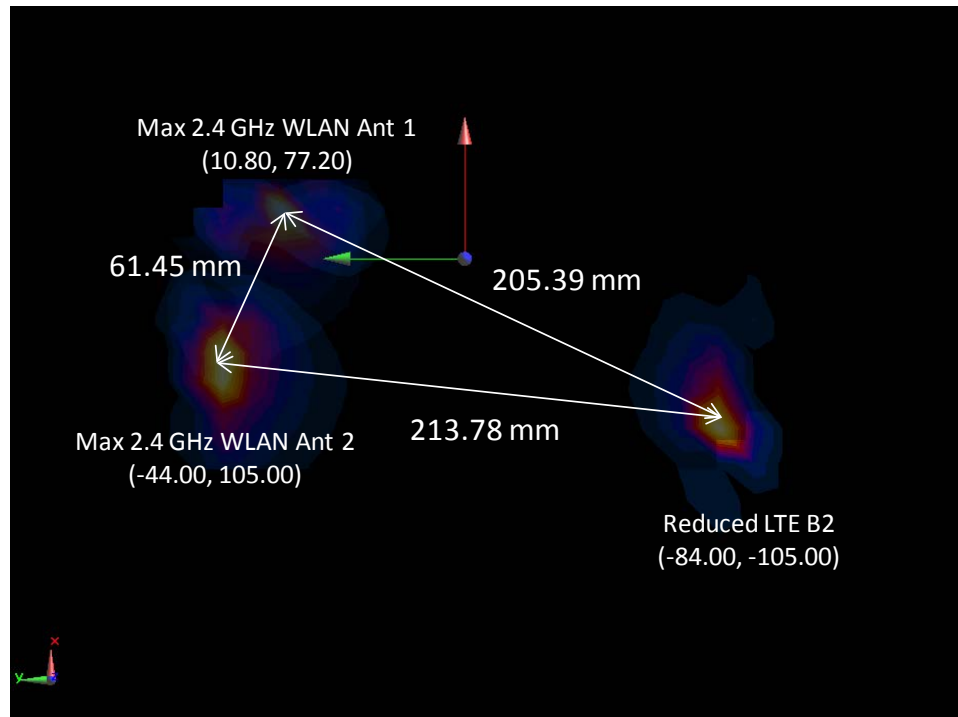


**Figure 11-29**  
Peak SAR Locations of Reduced 2.4 GHz WLAN Antennas and Reduced LTE B2

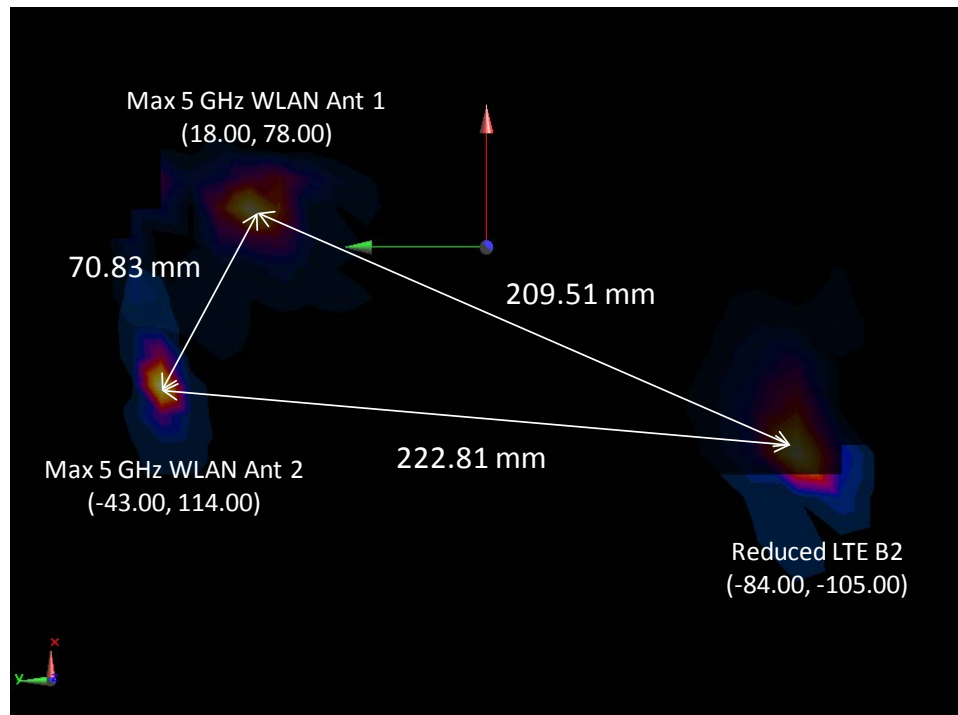


**Figure 11-30**  
Peak SAR Locations of Reduced 5 GHz WLAN Antennas and Reduced LTE B2

|                                             |                                                                                                                                   |                                     |                                                                                       |                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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**Figure 11-31**  
Peak SAR Locations of Max 2.4 GHz WLAN Antennas and Reduced LTE B2



**Figure 11-32**  
Peak SAR Locations of Max 5 GHz WLAN Antennas and Reduced LTE B2

|                                            |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>0Y1506221321-R1.A3L       | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 93 of 101                  |
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## 11.5 Simultaneous Transmission Conclusion

The above numerical summed SAR results and SPLSR for all the worst-case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is 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 D01v05 and IEEE 1528-2013 Section 6.3.4.1.2.

|                                             |                                                                                     |                                     |                                                                                       |                                        |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>OY1506221321-R1.A3L | <b>Test Dates:</b><br>04/27/15 - 07/13/15                                           | <b>DUT Type:</b><br>Portable Tablet |                                                                                       | Page 94 of 101                         |

## 12 SAR MEASUREMENT VARIABILITY

### 12.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01, 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 ( $\sim 10\%$  from the 1-g 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

**Table 12-1**  
**Body SAR Measurement Variability Results**

| BODY VARIABILITY RESULTS                 |           |       |                           |                          |                  |      |                      |                   |                       |       |                       |       |                       |       |
|------------------------------------------|-----------|-------|---------------------------|--------------------------|------------------|------|----------------------|-------------------|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| Band                                     | FREQUENCY |       | Mode                      | Service                  | Data Rate (Mbps) | 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                                      | 836.60    | 4183  | UMTS 850                  | RMC                      | N/A              | top  | 0 mm                 | 0.993             | 0.904                 | 1.10  | N/A                   | N/A   | N/A                   | N/A   |
| 750                                      | 782.00    | 23230 | LTE Band 13               | QPSK, 1 RB, 0 RB Offset  | N/A              | back | 0 mm                 | 0.903             | 0.889                 | 1.02  | N/A                   | N/A   | N/A                   | N/A   |
| 1750                                     | 1732.50   | 20175 | LTE Band 4 (AWS)          | QPSK, 1 RB, 99 RB Offset | N/A              | left | 0 mm                 | 1.010             | 1.030                 | 1.02  | N/A                   | N/A   | N/A                   | N/A   |
| 1900                                     | 1900.00   | 19100 | LTE Band 2 (PCS)          | QPSK, 1 RB, 99 RB Offset | N/A              | back | 0 mm                 | 1.100             | 0.999                 | 1.10  | N/A                   | N/A   | N/A                   | N/A   |
| 2450                                     | 2437.00   | 6     | 802.11b 22 MHz Bandwidth  | DSSS, ANT 1              | 1                | back | 0 mm                 | 1.020             | 0.907                 | 1.12  | N/A                   | N/A   | N/A                   | N/A   |
| 5300                                     | 5290.00   | 58    | 802.11ac 80 MHz Bandwidth | OFDM, ANT 2              | 29.3             | back | 0 mm                 | 0.864             | 0.729                 | 1.19  | 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 |                   |                       |       |                       |       |                       |       |

### 12.2 Measurement Uncertainty

The measured SAR was  $< 1.5$  W/kg for all frequency bands. Therefore, per KDB Publication 865664 D01v01, the extended measurement uncertainty analysis per IEEE 1528-2003 was not required.

|                                      |                                                                                     |                              |                                                                                       |                                 |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>OY1506221321-R1.A3L | Test Dates:<br>04/27/15 - 07/13/15                                                  | DUT Type:<br>Portable Tablet |                                                                                       | Page 95 of 101                  |

# 13 EQUIPMENT LIST

| Manufacturer       | Model      | Description                                   | Cal Date   | Cal Interval | Cal Due    | Serial Number |
|--------------------|------------|-----------------------------------------------|------------|--------------|------------|---------------|
| Agilent            | 8594A      | (9kHz-2.9GHz) Spectrum Analyzer               | N/A        | N/A          | N/A        | 3051A00187    |
| Agilent            | 8753E      | (30kHz-6GHz) Network Analyzer                 | 12/30/2014 | Annual       | 12/30/2015 | JP38020182    |
| Agilent            | 8753ES     | S-Parameter Network Analyzer                  | 3/12/2015  | Annual       | 3/12/2016  | MY40000670    |
| Agilent            | E4432B     | ESG-D Series Signal Generator                 | 3/16/2015  | Annual       | 3/16/2016  | US40053896    |
| Agilent            | E4438C     | ESG Vector Signal Generator                   | 3/13/2015  | Annual       | 3/13/2016  | MY42082385    |
| Agilent            | E5515C     | Wireless Communications Test Set              | 2/23/2015  | Biennial     | 2/23/2017  | GB41450275    |
| Agilent            | E5515C     | Wireless Communications Test Set              | 11/20/2014 | Annual       | 11/20/2015 | GB42361078    |
| Agilent            | E8257D     | (250kHz-20GHz) Signal Generator               | 3/15/2015  | Annual       | 3/15/2016  | MY45470194    |
| Agilent            | N4010A     | Wireless Connectivity Test Set                | N/A        | N/A          | N/A        | GB44450273    |
| Agilent            | N5182A     | MXG Vector Signal Generator                   | 10/27/2014 | Annual       | 10/27/2015 | MY47420603    |
| Agilent            | N5182A     | MXG Vector Signal Generator                   | 3/16/2015  | Annual       | 3/16/2016  | MY47420651    |
| Agilent            | N9020A     | MXA Signal Analyzer                           | 10/27/2014 | Annual       | 10/27/2015 | US46470561    |
| Amplifier Research | 15S1G6     | Amplifier                                     | CBT        | N/A          | CBT        | 433971        |
| Amplifier Research | 15S1G6     | Amplifier                                     | CBT        | N/A          | CBT        | 433972        |
| Anritsu            | MA24106A   | USB Power Sensor                              | 3/2/2015   | Annual       | 3/2/2016   | 1344545       |
| Anritsu            | MA24106A   | USB Power Sensor                              | 3/11/2015  | Annual       | 3/11/2016  | 1344554       |
| Anritsu            | MA24106A   | USB Power Sensor                              | 3/2/2015   | Annual       | 3/2/2016   | 1344555       |
| Anritsu            | MA24106A   | USB Power Sensor                              | 3/2/2015   | Annual       | 3/2/2016   | 1344556       |
| Anritsu            | MA2411B    | Pulse Power Sensor                            | 11/17/2014 | Annual       | 11/17/2015 | 1126066       |
| Anritsu            | MA2411B    | Pulse Power Sensor                            | 11/17/2014 | Annual       | 11/17/2015 | 1207364       |
| Anritsu            | ML2495A    | Power Meter                                   | 10/31/2013 | Biennial     | 10/31/2015 | 941001        |
| Anritsu            | ML2496A    | Power Meter                                   | 3/13/2015  | Annual       | 3/13/2016  | 1351001       |
| Anritsu            | MT8820C    | Radio Communication Analyzer                  | 3/10/2015  | Annual       | 3/10/2016  | 6200901190    |
| Anritsu            | MT8820C    | Radio Communication Analyzer                  | 9/19/2014  | Annual       | 9/19/2015  | 6201144418    |
| COMTech            | AR85729-5  | Solid State Amplifier                         | CBT        | N/A          | CBT        | M155A00-009   |
| Control Company    | 4040       | Digital Thermometer                           | 3/18/2015  | Biennial     | 3/18/2017  | 150194895     |
| Control Company    | 4052       | Long Stem Thermometer                         | 9/27/2013  | Biennial     | 9/27/2015  | 130567447     |
| Control Company    | 36934-158  | Wall-Mounted Thermometer                      | 4/29/2014  | Biennial     | 4/29/2016  | 122014488     |
| Control Company    | 61220-416  | Long-Stem Thermometer                         | 4/29/2014  | Biennial     | 4/29/2016  | 111331323     |
| Fisher Scientific  | 15-077-960 | Digital Thermometer                           | 12/4/2013  | Biennial     | 12/4/2015  | 130764551     |
| Fisher Scientific  | S407993    | Long Stem Thermometer                         | 11/4/2013  | Biennial     | 11/4/2015  | 130671801     |
| MCL                | BW-N6W5+   | 6dB Attenuator                                | CBT        | N/A          | CBT        | 1139          |
| MiniCircuits       | SLP-2400+  | Low Pass Filter                               | CBT        | N/A          | CBT        | R8979500903   |
| MiniCircuits       | VLF-6000+  | Low Pass Filter                               | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits      | BW-N20W5   | Power Attenuator                              | CBT        | N/A          | CBT        | 1226          |
| 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           |
| Mitutoyo           | CD-6°CSX   | Digital Caliper                               | 5/8/2014   | Biennial     | 5/8/2016   | 13264162      |
| Narda              | 4014C-6    | 4 - 8 GHz SMA 6 dB Directional Coupler        | CBT        | N/A          | CBT        | N/A           |
| Narda              | 4772-3     | Attenuator (3dB)                              | CBT        | N/A          | CBT        | 9406          |
| Narda              | BW-53W2    | Attenuator (3dB)                              | CBT        | N/A          | CBT        | 120           |
| Pasternack         | PE2208-6   | Bidirectional Coupler                         | CBT        | N/A          | CBT        | N/A           |
| Pasternack         | PE2209-10  | Bidirectional Coupler                         | CBT        | N/A          | CBT        | N/A           |
| Rohde & Schwarz    | CMU200     | Base Station Simulator                        | 6/6/2014   | Annual       | 6/6/2015   | 109892        |
| Rohde & Schwarz    | CMW500     | Radio Communication tester                    | 5/5/2015   | Annual       | 5/5/2016   | 140144        |
| Rohde & Schwarz    | CMW500     | Radio Communication Tester                    | 4/8/2015   | Annual       | 4/8/2016   | 140148        |
| Seekonk            | NC-100     | Torque Wrench                                 | 3/18/2014  | Biennial     | 3/18/2016  | 22313         |
| SPEAG              | D750V3     | 750 MHz Dipole                                | 2/19/2015  | Annual       | 2/19/2016  | 1046          |
| SPEAG              | D750V3     | 750 MHz Dipole                                | 1/16/2015  | Annual       | 1/16/2016  | 1003          |
| SPEAG              | D835V2     | 835 MHz SAR Dipole                            | 7/24/2014  | Annual       | 7/24/2015  | 44133         |
| SPEAG              | D1765V2    | 1765 MHz SAR Dipole                           | 5/7/2014   | Annual       | 5/7/2015   | 1008          |
| SPEAG              | D1900V2    | 1900 MHz SAR Dipole                           | 4/14/2015  | Annual       | 4/14/2016  | 56141         |
| SPEAG              | D2450V2    | 2450 MHz SAR Dipole                           | 8/11/2014  | Annual       | 8/11/2015  | 719           |
| SPEAG              | D5GHzV2    | 5 GHz SAR Dipole                              | 1/21/2015  | Annual       | 1/21/2016  | 1057          |
| SPEAG              | DAE4       | Dasy Data Acquisition Electronics             | 1/14/2015  | Annual       | 1/14/2016  | 1272          |
| SPEAG              | DAE4       | Dasy Data Acquisition Electronics             | 8/12/2014  | Annual       | 8/12/2015  | 1322          |
| SPEAG              | DAE4       | Dasy Data Acquisition Electronics             | 9/17/2014  | Annual       | 9/17/2015  | 1323          |
| SPEAG              | DAE4       | Dasy Data Acquisition Electronics             | 10/31/2014 | Annual       | 10/31/2015 | 1333          |
| SPEAG              | DAE4       | Dasy Data Acquisition Electronics             | 3/13/2015  | Annual       | 3/13/2016  | 1334          |
| SPEAG              | DAE4       | Dasy Data Acquisition Electronics             | 9/18/2014  | Annual       | 9/18/2015  | 1364          |
| SPEAG              | DAE4       | Dasy Data Acquisition Electronics             | 3/13/2015  | Annual       | 3/13/2016  | 1368          |
| SPEAG              | DAK-3.5    | Dielectric Assessment Kit                     | 10/21/2014 | Annual       | 10/21/2015 | 1091          |
| SPEAG              | DAK5-3.5   | Portable Dielectric Assessment Kit            | 7/15/2014  | Annual       | 7/15/2015  | 1039          |
| SPEAG              | ES3DV2     | SAR Probe                                     | 8/20/2014  | Annual       | 8/20/2015  | 3331          |
| SPEAG              | ES3DV3     | SAR Probe                                     | 3/19/2015  | Annual       | 3/19/2016  | 3319          |
| SPEAG              | ES3DV2     | SAR Probe                                     | 8/19/2014  | Annual       | 8/19/2015  | 3022          |
| SPEAG              | ES3DV3     | SAR Probe                                     | 3/19/2015  | Annual       | 3/19/2016  | 3209          |
| SPEAG              | ES3DV3     | SAR Probe                                     | 1/23/2015  | Annual       | 1/23/2016  | 3318          |
| SPEAG              | ES3DV3     | SAR Probe                                     | 9/24/2014  | Annual       | 9/24/2015  | 3288          |
| SPEAG              | EX3DV4     | SAR Probe                                     | 1/22/2015  | Annual       | 1/22/2016  | 3589          |
| VWR                | 36934-158  | Wall-Mounted Thermometer                      | 4/29/2014  | Biennial     | 4/29/2016  | 111859323     |

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. All equipment was used within the respective calibration dates.

|                                      |                                                                                     |                              |                                                                                       |                                 |
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## 14 MEASUREMENT UNCERTAINTIES

Applicable for frequencies less than 3000 MHz.

| 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<br>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                | 6.0           | N              | 1            | 1.0                   | 1.0                      | 6.0                            | 6.0                              | ∞              |
| 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            | 1.0                   | 1.0                      | 1.3                            | 1.3                              | ∞              |
| Boundary Effect                                                               | E.2.3                | 0.4           | N              | 1            | 1.0                   | 1.0                      | 0.4                            | 0.4                              | ∞              |
| Linearity                                                                     | E.2.4                | 0.3           | N              | 1            | 1.0                   | 1.0                      | 0.3                            | 0.3                              | ∞              |
| System Detection Limits                                                       | E.2.5                | 5.1           | N              | 1            | 1.0                   | 1.0                      | 5.1                            | 5.1                              | ∞              |
| Readout Electronics                                                           | E.2.6                | 1.0           | N              | 1            | 1.0                   | 1.0                      | 1.0                            | 1.0                              | ∞              |
| Response Time                                                                 | E.2.7                | 0.8           | R              | 1.73         | 1.0                   | 1.0                      | 0.5                            | 0.5                              | ∞              |
| Integration Time                                                              | E.2.8                | 2.6           | R              | 1.73         | 1.0                   | 1.0                      | 1.5                            | 1.5                              | ∞              |
| RF Ambient Conditions                                                         | E.6.1                | 3.0           | R              | 1.73         | 1.0                   | 1.0                      | 1.7                            | 1.7                              | ∞              |
| Probe Positioner Mechanical Tolerance                                         | E.6.2                | 0.4           | R              | 1.73         | 1.0                   | 1.0                      | 0.2                            | 0.2                              | ∞              |
| Probe Positioning w/ respect to Phantom                                       | E.6.3                | 2.9           | R              | 1.73         | 1.0                   | 1.0                      | 1.7                            | 1.7                              | ∞              |
| Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation | E.5                  | 1.0           | R              | 1.73         | 1.0                   | 1.0                      | 0.6                            | 0.6                              | ∞              |
| <b>Test Sample Related</b>                                                    |                      |               |                |              |                       |                          |                                |                                  |                |
| Test Sample Positioning                                                       | E.4.2                | 6.0           | N              | 1            | 1.0                   | 1.0                      | 6.0                            | 6.0                              | 287            |
| Device Holder Uncertainty                                                     | E.4.1                | 3.32          | R              | 1.73         | 1.0                   | 1.0                      | 1.9                            | 1.9                              | ∞              |
| Output Power Variation - SAR drift measurement                                | 6.6.2                | 5.0           | R              | 1.73         | 1.0                   | 1.0                      | 2.9                            | 2.9                              | ∞              |
| <b>Phantom &amp; Tissue Parameters</b>                                        |                      |               |                |              |                       |                          |                                |                                  |                |
| Phantom Uncertainty (Shape & Thickness tolerances)                            | E.3.1                | 4.0           | R              | 1.73         | 1.0                   | 1.0                      | 2.3                            | 2.3                              | ∞              |
| Liquid Conductivity - deviation from target values                            | E.3.2                | 5.0           | R              | 1.73         | 0.64                  | 0.43                     | 1.8                            | 1.2                              | ∞              |
| Liquid Conductivity - measurement uncertainty                                 | E.3.3                | 3.8           | N              | 1            | 0.64                  | 0.43                     | 2.4                            | 1.6                              | 6              |
| Liquid Permittivity - deviation from target values                            | E.3.2                | 5.0           | R              | 1.73         | 0.60                  | 0.49                     | 1.7                            | 1.4                              | ∞              |
| Liquid Permittivity - measurement uncertainty                                 | E.3.3                | 4.5           | N              | 1            | 0.60                  | 0.49                     | 2.7                            | 2.2                              | 6              |
| <b>Combined Standard Uncertainty (k=1)</b>                                    |                      |               |                |              |                       |                          | RSS                            | 12.1                             | 11.7           |
| <b>Expanded Uncertainty</b><br>(95% CONFIDENCE LEVEL)                         |                      |               |                |              |                       |                          | k=2                            | 24.2                             | 23.5           |

The above measurement uncertainties are according to IEEE Std. 1528-2003

|                                             |                                                                                     |                                     |                                                                                       |                                        |
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Applicable for frequencies up to 6 GHz.

| 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<br>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            | 1.0                   | 1.0                      | 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            | 1.0                   | 1.0                      | 1.3                            | 1.3                              | ∞              |
| Boundary Effect                                                               | E.2.3                | 0.4           | N              | 1            | 1.0                   | 1.0                      | 0.4                            | 0.4                              | ∞              |
| Linearity                                                                     | E.2.4                | 0.3           | N              | 1            | 1.0                   | 1.0                      | 0.3                            | 0.3                              | ∞              |
| System Detection Limits                                                       | E.2.5                | 5.1           | N              | 1            | 1.0                   | 1.0                      | 5.1                            | 5.1                              | ∞              |
| Readout Electronics                                                           | E.2.6                | 1.0           | N              | 1            | 1.0                   | 1.0                      | 1.0                            | 1.0                              | ∞              |
| Response Time                                                                 | E.2.7                | 0.8           | R              | 1.73         | 1.0                   | 1.0                      | 0.5                            | 0.5                              | ∞              |
| Integration Time                                                              | E.2.8                | 2.6           | R              | 1.73         | 1.0                   | 1.0                      | 1.5                            | 1.5                              | ∞              |
| RF Ambient Conditions                                                         | E.6.1                | 3.0           | R              | 1.73         | 1.0                   | 1.0                      | 1.7                            | 1.7                              | ∞              |
| Probe Positioner Mechanical Tolerance                                         | E.6.2                | 0.4           | R              | 1.73         | 1.0                   | 1.0                      | 0.2                            | 0.2                              | ∞              |
| Probe Positioning w/ respect to Phantom                                       | E.6.3                | 2.9           | R              | 1.73         | 1.0                   | 1.0                      | 1.7                            | 1.7                              | ∞              |
| Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation | E.5                  | 1.0           | R              | 1.73         | 1.0                   | 1.0                      | 0.6                            | 0.6                              | ∞              |
| <b>Test Sample Related</b>                                                    |                      |               |                |              |                       |                          |                                |                                  |                |
| Test Sample Positioning                                                       | E.4.2                | 6.0           | N              | 1            | 1.0                   | 1.0                      | 6.0                            | 6.0                              | 287            |
| Device Holder Uncertainty                                                     | E.4.1                | 3.32          | R              | 1.73         | 1.0                   | 1.0                      | 1.9                            | 1.9                              | ∞              |
| Output Power Variation - SAR drift measurement                                | 6.6.2                | 5.0           | R              | 1.73         | 1.0                   | 1.0                      | 2.9                            | 2.9                              | ∞              |
| <b>Phantom &amp; Tissue Parameters</b>                                        |                      |               |                |              |                       |                          |                                |                                  |                |
| Phantom Uncertainty (Shape & Thickness tolerances)                            | E.3.1                | 4.0           | R              | 1.73         | 1.0                   | 1.0                      | 2.3                            | 2.3                              | ∞              |
| Liquid Conductivity - deviation from target values                            | E.3.2                | 5.0           | R              | 1.73         | 0.64                  | 0.43                     | 1.8                            | 1.2                              | ∞              |
| Liquid Conductivity - measurement uncertainty                                 | E.3.3                | 3.8           | N              | 1            | 0.64                  | 0.43                     | 2.4                            | 1.6                              | 6              |
| Liquid Permittivity - deviation from target values                            | E.3.2                | 5.0           | R              | 1.73         | 0.60                  | 0.49                     | 1.7                            | 1.4                              | ∞              |
| Liquid Permittivity - measurement uncertainty                                 | E.3.3                | 4.5           | N              | 1            | 0.60                  | 0.49                     | 2.7                            | 2.2                              | 6              |
| <b>Combined Standard Uncertainty (k=1)</b>                                    |                      |               |                |              |                       |                          | RSS                            | 12.4                             | 12.0           |
| <b>Expanded Uncertainty</b><br>(95% CONFIDENCE LEVEL)                         |                      |               |                |              |                       |                          | k=2                            | 24.7                             | 24.0           |

The above measurement uncertainties are according to IEEE Std. 1528-2003

|                                             |                                                                                     |                                     |                                                                                       |                                        |
|---------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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## 15 CONCLUSION

### 15.1 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Industry 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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|                                      |                                                                                     |                              |                                                                                       |                                 |
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|                                      |                                                                                     |                              |                       |                                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
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