

# TEST REPORT

**PART 0 SAR Test for certification of SM-S731U**

**APPLICANT**

Samsung Electronics. Co., Ltd.

**REPORT NO.**

HCT-SR-2507-FC004

**DATE OF ISSUE**

Jul. 14, 2025

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# TEST REPORT

SAR PART 0 Test  
for certification

**REPORT NO.**

HCT-SR-2507-FC004

**DATE OF ISSUE**

Jul. 14, 2025

**FCC ID**

A3LSMS731U

**Applicant**

SAMSUNG Electronics Co., Ltd  
129, Samsung-ro, Yeongtong-gu, Suwon-Si, Gyeonggi-do, 16677, Korea

**Product Name**

Mobile Phone

**Model Name**

SM-S731U

**Additional Model Name**

SM-S731U1

**Date of Test**

May 28, 2025~ Jul. 09, 2025

**Location of Test**

☒ Permanent Testing Lab ☐ On Site Testing Lab  
(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si,  
Gyeonggi-do, 17383 KOREA)

**FCC Rule Part(s)**

CFR § 2.1093

**Test Results**

PASS (SAR Limit : 1.6 W/kg)  
Refer to the clause 3.2 Attestation of test result

## REVISION HISTORY

The revision history for this test report is shown in table.

| Revision No. | Date of Issue | Description     |
|--------------|---------------|-----------------|
| 0            | Jul. 14, 2025 | Initial Release |

## Notice

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### Content

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked \*.

Information provided by the applicant is marked \*\*.

Test results provided by external providers are marked \*\*\*.

When confirmation of authenticity of this test report is required, please contact [www.hct.co.kr](http://www.hct.co.kr)

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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## 1. Test Location

### 1.1 Test Laboratory

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Company Name | HCT Co., Ltd.                                                                   |
| Address      | 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA |
| Telephone    | 031-645-6300                                                                    |
| Fax.         | 031-645-6401                                                                    |

### 1.2 Test Facilities

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

|       |                                                         |
|-------|---------------------------------------------------------|
| Korea | National Radio Research Agency (Designation No. KR0032) |
|       | KOLAS (Testing No. KT197)                               |

### 1.3 General Information of the EUT

|                       |                               |
|-----------------------|-------------------------------|
| Model Name            | SM-S731U                      |
| Additional Model Name | SM-S731U1                     |
| Equipment Type        | Mobile Phone                  |
| FCC ID                | A3LSMS731U                    |
| Application Type      | Certification                 |
| Applicant             | SAMSUNG Electronics Co., Ltd. |

## 2. Device Under Test Description

| Device Wireless specification overview |                |                             |
|----------------------------------------|----------------|-----------------------------|
| Band & Mode                            | Operating Mode | Tx Frequency                |
| GSM850                                 | Voice / Data   | 824.2 MHz ~ 848.8 MHz       |
| GSM1900                                | Voice / Data   | 1 850.2 MHz ~ 1 909.8 MHz   |
| UMTS Band 2                            | Voice / Data   | 1 852.4 MHz ~ 1 907.6 MHz   |
| UMTS Band 4                            | Voice / Data   | 1 712.4 MHz ~ 1 752.6 MHz   |
| UMTS Band 5                            | Voice / Data   | 826.4 MHz ~ 846.6 MHz       |
| LTE FDD Band 2 (PCS)                   | Voice / Data   | 1 850.7 MHz ~ 1 909.3 MHz   |
| LTE FDD Band 4 (AWS)                   | Voice / Data   | 1 710.7 MHz ~ 1 754.3 MHz   |
| LTE FDD Band 5 (Cell)                  | Voice / Data   | 824.7 MHz ~ 848.3 MHz       |
| LTE FDD Band 7                         | Voice / Data   | 2 502.5 MHz ~ 2 567.5 MHz   |
| LTE FDD Band 12                        | Voice / Data   | 699.7 MHz ~ 715.3 MHz       |
| LTE FDD Band 13                        | Voice / Data   | 779.5 MHz ~ 784.5 MHz       |
| LTE FDD Band 14                        | Voice / Data   | 790.5 MHz ~ 795.5 MHz       |
| LTE FDD Band 25                        | Voice / Data   | 1 850.7 MHz ~ 1 914.3 MHz   |
| LTE FDD Band 26                        | Voice / Data   | 814.7 MHz ~ 848.3 MHz       |
| LTE FDD Band 30                        | Voice / Data   | 2 307.5 MHz ~ 2 312.5 MHz   |
| LTE TDD Band 38                        | Voice / Data   | 2 572.5 MHz ~ 2 617.5 MHz   |
| LTE TDD Band 41                        | Voice / Data   | 2 498.5 MHz ~ 2 687.5 MHz   |
| LTE TDD Band 48                        | Voice / Data   | 3 552.5 MHz ~ 3 697.5 MHz   |
| LTE FDD Band 66 (AWS)                  | Voice / Data   | 1 710.7 MHz ~ 1 779.3 MHz   |
| LTE FDD Band 71                        | Voice / Data   | 665.5 MHz ~ 695.5 MHz       |
| NR FDD Band n2 (PCS)                   | Voice / Data   | 1 852.5 MHz ~ 1 907.5 MHz   |
| NR FDD Band n5                         | Voice / Data   | 826.5 MHz ~ 846.5 MHz       |
| NR FDD Band n7                         | Voice / Data   | 2 502.5 MHz ~ 2 567.5 MHz   |
| NR FDD Band n12                        | Voice / Data   | 701.5 MHz ~ 713.5 MHz       |
| NR FDD Band n14                        | Voice / Data   | 790.5 MHz ~ 795.5 MHz       |
| NR FDD Band n25 (PCS)                  | Voice / Data   | 1 852.5 MHz ~ 1 912.5 MHz   |
| NR FDD Band n26                        | Voice / Data   | 816.5 MHz ~ 846.5 MHz       |
| NR FDD Band n30                        | Voice / Data   | 2 307.5 MHz ~ 2 312.5 MHz   |
| NR TDD Band n38                        | Voice / Data   | 2 575 MHz ~ 2 615 MHz       |
| NR TDD Band n41                        | Voice / Data   | 2 501.01 MHz ~ 2 685 MHz    |
| NR TDD Band n48                        | Voice / Data   | 3 555 MHz ~ 3 695.01 MHz    |
| NR FDD Band n66                        | Voice / Data   | 1 712.5 MHz ~ 1 777.5 MHz   |
| NR FDD Band n70                        | Voice / Data   | 1 697.5 MHz ~ 1 707.5 MHz   |
| NR FDD Band n71                        | Voice / Data   | 665.5 MHz ~ 695.5 MHz       |
| NR TDD Band n77                        | Voice / Data   | 3 705 MHz ~ 3 975 MHz       |
| NR TDD Band n77 DoD                    | Voice / Data   | 3 445.01 MHz ~ 3 544.98 MHz |
| NR TDD Band n78                        | Voice / Data   | 3 705 MHz ~ 3 795 MHz       |
| NR TDD Band n78 DoD                    | Voice / Data   | 3 455.01 MHz ~ 3 544.98 MHz |
| U-NII-1                                | Voice / Data   | 5 180 MHz ~ 5 240 MHz       |
| U-NII-2A                               | Voice / Data   | 5 260 MHz ~ 5 320 MHz       |
| U-NII-2C                               | Voice / Data   | 5 500 MHz ~ 5 720 MHz       |
| U-NII-3                                | Voice / Data   | 5 745 MHz ~ 5 825 MHz       |
| U-NII-4                                | Voice / Data   | 5 845 MHz ~ 5 885 MHz       |
| U-NII-5                                | Voice / Data   | 5 925 MHz ~ 6 425 MHz       |
| U-NII-6                                | Voice / Data   | 6 425 MHz ~ 6 525 MHz       |
| U-NII-7                                | Voice / Data   | 6 525 MHz ~ 6 865 MHz       |
| U-NII-8                                | Voice / Data   | 6 865 MHz ~ 7 115 MHz       |
| 2.4 GHz WLAN                           | Voice / Data   | 2 412 MHz ~ 2 462 MHz       |
| Bluetooth / LE                         | Data           | 2 402 MHz ~ 2 480 MHz       |
| NFC                                    | Data           | 13.56 MHz                   |
| WPC                                    | Data           | 110 kHz ~ 148 kHz           |

| Device Description    |                                                                                                                                                                                        |                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Device Serial Numbers | Mode                                                                                                                                                                                   | Serial Number      |
|                       | GSM850, GSM1900, UMTS Band 2,4,5                                                                                                                                                       | YEJ0735M, YDP1688M |
|                       | LTE Band 5,12,13,14,26,71<br>NR Band n2,5,12,13,14,26,30,70                                                                                                                            | YEJ0554M, YFB0902M |
|                       | LTE Band 2,4,7,25,30,66<br>NR Band n41, n48 SRS2/3, n77 SRS 2/3                                                                                                                        | YEJ0554M, YFB0902M |
|                       | LTE Band 38,41,48, NR Band n41 SRS2/3/4                                                                                                                                                | YEJ0518M, YFB0902M |
|                       | NR Band n7,25,30,38,41,48, 66,71,77,78<br>n48 SRS4, n77 SRS4, n78 SRS2/3/4                                                                                                             | YEJ0515M, YFB0902M |
|                       | WLAN 2.4G, 5G, BT, NFC                                                                                                                                                                 | YEJ0705M, YEJ0714M |
|                       | GSM850, GSM1900, UMTS Band 2,4,5                                                                                                                                                       | YEJ0735M, YDP1688M |
|                       | The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics are within operational tolerances expected for production units. |                    |

## 2.1 Time-Averaging for SAR

This WWAN/WLAN/BT Mode of DUT is equipped with an S.LSI chipset to which the Samsung S.LSI proprietary TAS (Time Average SAR) algorithm is applied.

This DUT is enabled with the Samsung S.LSI proprietary TAS (Time Average SAR) algorithm for WWAN/WLAN/BT Mode and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is in compliance with the FCC requirement

This model applies S.LSI's WWAN band -TAS algorithm, S.LSI's WLAN/BT -TAS algorithm, and C-TAS, a TAS manager that controls these two algorithms to comply with FCC Limits.

FCC RF exposure limit is based on time averaged RF exposure. The SAR regulatory specification is defined over certain measurement duration allowing for time-averaging. The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm has been designed to meet the compliance limits over the required duration, while still allowing dynamic control of transmit power to satisfy the performance of the system.

This feature performs time averaging SAR algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time.

The WLAN mode are not controlled by The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm. This feature performs time averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time. DUT contains BDF File configured for the WLAN TAS algorithm. Only the NFC mode of the device did not apply the time averaged SAR algorithm.

The Samsung S.LSI TAS algorithm allow the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit NV settings and maximum tune up output power Pmax configured for this DUT for various transmit conditions (Radio SAR indicator RSI for Head/Non-Head SAR of WWAN/WLAN/BT Mode).

SAR Characterization confirms that Plimit in the 4G/5G/WLAN/WLAN/BT communication mode declared by the manufacturer satisfies SAR\_Design\_target.

The compliance test under the static transmission scenario and simultaneous transmission analysis are reported in SAR report for WWAN/WLAN/BT. The validation of The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm and compliance under the time-varying transmission scenario for WWAN and WLAN/BT technologies and Combined TAS are reported in A3LSMS731U\_SAR Part 2 Report report.

## 2.2 Nomenclature for Part 0 Report

| Technology                   | Term              | Description                                                                                                                                 |
|------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 2G/3G/4G/5G<br>Sub 6 NR/WLAN | Plimit            | Power level that corresponds to the exposure design target (SAR_design_target) after accounting for all device design related uncertainties |
|                              | Pmax              | Maximum tune up output power                                                                                                                |
|                              | SAR_design_target | Target SAR level < FCC SAR limit after accounting for all device design related uncertainties.                                              |
|                              | SAR Char          | Table containing Plimit for all technologies and bands                                                                                      |

### 3. SAR MEASUREMENTS

#### 3.1 SAR Definition

Specific Absorption Rate (SAR) is defined as the time derivative of the incremental electromagnetic energy ( $dW$ ) 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

$$SAR = \frac{d}{dt} \left( \frac{dW}{dm} \right)$$

SAR Mathematical Equation

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

$$SAR = \sigma E^2 / \rho$$

Where:

$\sigma$  = conductivity of the tissue-simulant material (S/m)  
 $\rho$  = mass density of the tissue-simulant 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 relations 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.

### 3.2 SAR Measurement Procedure

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

1. The SAR distribution at the exposed side of the head or body was measured at a distance no more than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the DUT's head and body area and the horizontal grid resolution was depending on the FCC KDB 865664 D01v01r04 (see table 3-1) & IEEE 1528-2013.
2. Based on step, the area of the maximum absorption was determined by sophisticated interpolations routines implemented in DASY software. When an Area Scan has measured all reachable point. DASY system computes the field maximal found in the scanned are, within a range of the maximum. SAR at this fixed point was measured and used as a reference value.
3. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB 865664 D01v01r04 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 (reference from the DASY manual.)
  - a. The data at the surface were extrapolated, since the center of the dipoles is no more than 2.7 mm away from the tip of the probe (it is different from the probe type) and the distance between the surface and the lowest measuring point is 1.2 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.
  - b. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed using the 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 integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the average.
  - 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. If the value changed by more than 5 %, the SAR evaluation and drift measurements were repeated.

**Table 3-1**

| Frequency | Maximum Area Scan Resolution(mm)<br>(Δxarea, Δyarea) | Maximum Zoom Scan Resolution (mm)<br>(Δxzoom, Δyzoom) | Maximum Zoom Scan Spatial Resolution (mm) |             |                  | Minimum Zoom Scan Volume (mm)<br>(x,y,z) |
|-----------|------------------------------------------------------|-------------------------------------------------------|-------------------------------------------|-------------|------------------|------------------------------------------|
|           |                                                      |                                                       | Uniform Grid<br>Δzzoom(n)                 | Graded Grid |                  |                                          |
|           |                                                      |                                                       |                                           | Δz zoom(1)* | Δz zoom(n>1)*    |                                          |
| ≤2 GHz    | ≤15                                                  | ≤8                                                    | ≤5                                        | ≤4          | ≤1.5*Δzzoom(n-1) | ≥30                                      |
| 2-3 GHz   | ≤12                                                  | ≤5                                                    | ≤5                                        | ≤4          | ≤1.5*Δzzoom(n-1) | ≥30                                      |
| 3-4 GHz   | ≤12                                                  | ≤5                                                    | ≤4                                        | ≤3          | ≤1.5*Δzzoom(n-1) | ≥28                                      |
| 4-5 GHz   | ≤10                                                  | ≤4                                                    | ≤3                                        | ≤2.5        | ≤1.5*Δzzoom(n-1) | ≥25                                      |
| 5-6 GHz   | ≤10                                                  | ≤4                                                    | ≤2                                        | ≤2          | ≤1.5*Δzzoom(n-1) | ≥22                                      |

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

## 4. SAR CHARACTERIZATION

### 4.1 DSI and SAR Determination

This device uses different Radio SAR Index (RSI) to configure different time averaged power levels based on certain exposure scenarios. Depending on the detection scheme implemented in the smartphone, the worst-case SAR was determined by measurements for the relevant exposure conditions for that RSI. Detailed descriptions of the detection mechanisms are included in the operational description.

When 1g SAR and 10g SAR exposure comparison is needed, the worst-case was determined from SAR normalized to 1g or 10g SAR limit.

The Radio SAR Index (RSI) conditions used in Table 4-1 represent different exposure scenarios.

**Table 4-1 DSI and Corresponding Exposure Scenarios**

| Scenario   |                | Description                                                                                                                                                | SAR Test Cases                                                                                                                           |
|------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Head       | RSI = 1        | Device positioned next to head<br>When RCV is activated for voice call                                                                                     | Head SAR per KDB Publication 648474 D04                                                                                                  |
| Non – Head | RSI = 0 (Body) | Device is held with hand<br>Device transmits in hotspot mode near body<br>Device being used with a body-worn accessory<br>Device being used with a Earjack | Phablet SAR per KDB Publication 648474 D04<br>Hotspot SAR per KDB Publication 941225 D06<br>Body-worn SAR per KDB Publication 648474 D04 |

## 4.2 SAR Design Target

SAR\_design\_target is determined by ensuring that it is less than FCC SAR limit after accounting for total device designed related uncertainties specified by the manufacturer (see Table 4-2).

| <i>SAR_design_target</i>                                                         |          |                             |          |
|----------------------------------------------------------------------------------|----------|-----------------------------|----------|
| $SAR\_design\_target < SAR\_regulatory\_limit \times 10^{Total\ Uncertainty/10}$ |          |                             |          |
| 1g SAR (W/kg)                                                                    |          | 10g SAR (W/kg)              |          |
| <i>Total Uncertainty</i>                                                         | 1.0 dB   | <i>Total Uncertainty</i>    | 1.0 dB   |
| <i>SAR_regulatory_limit</i>                                                      | 1.6 W/kg | <i>SAR_regulatory_limit</i> | 4.0 W/kg |
| <i>SAR_design_target</i>                                                         | 1.0 W/kg | <i>SAR_design_target</i>    | 2.5 W/kg |

Table 4-2 *SAR\_design\_target* Calculations for WWAN Bands

| <i>SAR_design_target</i>                                                         |          |                             |          |
|----------------------------------------------------------------------------------|----------|-----------------------------|----------|
| $SAR\_design\_target < SAR\_regulatory\_limit \times 10^{Total\ Uncertainty/10}$ |          |                             |          |
| WLAN 1g SAR (W/kg)                                                               |          | 10g SAR (W/kg)              |          |
| <i>Total Uncertainty</i>                                                         | 1.0 dB   | <i>Total Uncertainty</i>    | 1.0 dB   |
| <i>SAR_regulatory_limit</i>                                                      | 1.6 W/kg | <i>SAR_regulatory_limit</i> | 4.0 W/kg |
| <i>SAR_design_target</i>                                                         | 0.8 W/kg | <i>SAR_design_target</i>    | 2.0 W/kg |

Table 4-3 *WLAN SAR\_design\_target* Calculations

### 4.3 SAR Characterization

SAR test results corresponding to Pmax for each antenna/technology/band/RSI can be found in Appendix A. Plimit is calculated by linearly scaling with the measured SAR at the Pmax to correspond to the SAR\_design\_target. Plimit determination for each exposure scenario corresponding to SAR\_design\_target are shown in Table 4-3.

| Plim values in green indicate Plimit < Pmax alues in grey indicate Plimit > |           |         |                 |               |                                                           |
|-----------------------------------------------------------------------------|-----------|---------|-----------------|---------------|-----------------------------------------------------------|
| Plimit corresponding to 1 W/kg (1g) 2.5W/kg(10g) SAR Design target          |           |         | Pmax            |               |                                                           |
| SAR Exposure Position                                                       |           |         | Body (Non-Head) | Head (RCV ON) | Maximum Tune-up Output Power (Frame Averaged Power) [dBm] |
| Averaging volume                                                            |           |         | 1g,10g          | 1g            |                                                           |
| separation Distance                                                         |           |         | 5 mm            | 0 mm          |                                                           |
| Mode                                                                        | Band      | Antenna | RSI=0           | RSI=1         |                                                           |
| GSM/GPRS/EDGE                                                               | 850       | A       | 20.8            | 34.4          | 25.4                                                      |
| GSM/GPRS/EDGE                                                               | 850       | E       | 18.8            | 18.8          | 25.4                                                      |
| GSM/GPRS/EDGE                                                               | 1900      | A       | 15.8            | 30.7          | 22.1                                                      |
| UMTS                                                                        | 2         | A       | 15.0            | 18.0          | 23.5                                                      |
| UMTS                                                                        | 4         | A       | 15.0            | 18.0          | 23.5                                                      |
| UMTS                                                                        | 5         | A       | 22.0            | 22.0          | 24.0                                                      |
| UMTS                                                                        | 5         | E       | 18.0            | 18.0          | 23.0                                                      |
| LTE FDD                                                                     | 25(2)     | A       | 14.5            | 31.9          | 24.0                                                      |
| LTE FDD                                                                     | 25(2)     | F       | 16.5            | 16.5          | 24.0                                                      |
| LTE FDD                                                                     | 66(4)     | A       | 15.0            | 30.2          | 24.0                                                      |
| LTE FDD                                                                     | 66(4)     | F       | 17.5            | 17.5          | 24.0                                                      |
| LTE FDD                                                                     | 7         | B       | 16.5            | 34.3          | 24.0                                                      |
| LTE FDD                                                                     | 7         | F       | 17.0            | 17.0          | 24.0                                                      |
| LTE FDD                                                                     | 12        | A       | 21.5            | 32.7          | 24.5                                                      |
| LTE FDD                                                                     | 12        | E       | 20.0            | 20.0          | 24.5                                                      |
| LTE FDD                                                                     | 13        | A       | 21.5            | 33.7          | 24.5                                                      |
| LTE FDD                                                                     | 13        | E       | 20.0            | 20.0          | 24.5                                                      |
| LTE FDD                                                                     | 14        | A       | 21.5            | 33.0          | 24.5                                                      |
| LTE FDD                                                                     | 14        | E       | 20.0            | 20.0          | 24.5                                                      |
| LTE FDD                                                                     | 26(5)     | A       | 22.0            | 34.7          | 24.5                                                      |
| LTE FDD                                                                     | 26(5)     | E       | 20.0            | 20.0          | 24.5                                                      |
| LTE FDD                                                                     | 30        | A       | 16.5            | 34.3          | 23.0                                                      |
| LTE FDD                                                                     | 30        | F       | 18.0            | 18.0          | 23.0                                                      |
| LTE TDD PC3                                                                 | 41(38)    | B       | 17.5            | 36.9          | 22.0                                                      |
| LTE TDD PC3                                                                 | 41(38)    | F       | 17.0            | 17.0          | 22.0                                                      |
| LTE TDD                                                                     | 48        | F       | 14.0            | 14.0          | 21.0                                                      |
| LTE FDD                                                                     | 71        | A       | 26.6            | 33.6          | 24.5                                                      |
| LTE FDD                                                                     | 71        | E       | 20.0            | 20.0          | 24.5                                                      |
| NR FDD                                                                      | 25(2)     | A       | 15.0            | 30.8          | 24.0                                                      |
| NR FDD                                                                      | 25(2)     | F       | 17.0            | 17.0          | 23.0                                                      |
| NR FDD                                                                      | 7         | B       | 17.5            | 33.3          | 24.0                                                      |
| NR FDD                                                                      | 7         | F       | 16.5            | 16.5          | 23.0                                                      |
| NR FDD                                                                      | 12        | A       | 21.0            | 34.0          | 24.5                                                      |
| NR FDD                                                                      | 12        | E       | 20.0            | 20.0          | 24.5                                                      |
| NR FDD                                                                      | 14        | A       | 21.0            | 31.6          | 24.5                                                      |
| NR FDD                                                                      | 14        | E       | 20.0            | 20.0          | 24.5                                                      |
| NR FDD                                                                      | 26(5)     | A       | 22.0            | 36.6          | 24.5                                                      |
| NR FDD                                                                      | 26(5)     | E       | 20.0            | 20.0          | 24.5                                                      |
| NR FDD                                                                      | 30        | A       | 16.0            | 36.6          | 23.0                                                      |
| NR FDD                                                                      | 30        | F       | 17.0            | 17.5          | 23.0                                                      |
| NR TDD                                                                      | 38        | B       | 18.0            | 37.5          | 24.0                                                      |
| NR TDD                                                                      | 38        | F       | 17.0            | 17.0          | 23.0                                                      |
| NR TDD                                                                      | 41        | B       | 18.0            | 37.5          | 26.0                                                      |
| NR TDD SRS 1 PC2                                                            | 41        | F       | 18.2            | 27.2          | 13.0                                                      |
| NR TDD SRS 2 PC2                                                            | 41        | D       | 14.4            | 40.1          | 13.0                                                      |
| NR TDD SRS 3 PC2                                                            | 41        | E       | 25.0            | 18.1          | 16.0                                                      |
| NR TDD Hopping                                                              | 41        | F       | 17.0            | 17.0          | 26.0                                                      |
| NR TDD SRS1 Hopping                                                         | 41        | B       | 15.0            | 15.0          | 20.0                                                      |
| NR TDD SRS2 Hopping                                                         | 41        | E       | 25.0            | 18.1          | 17.0                                                      |
| NR TDD SRS3 Hopping                                                         | 41        | D       | 14.4            | 40.1          | 14.0                                                      |
| NR TDD                                                                      | 48        | F       | 16.0            | 16.0          | 23.0                                                      |
| NR TDD SRS 1                                                                | 48        | C       | 16.2            | 31.2          | 14.5                                                      |
| NR TDD SRS 2                                                                | 48        | I       | 15.0            | 15.0          | 22.0                                                      |
| NR TDD SRS 3                                                                | 48        | D       | 18.8            | 46.7          | 16.0                                                      |
| NR FDD                                                                      | 66        | A       | 15.0            | 29.5          | 24.0                                                      |
| NR FDD                                                                      | 66        | F       | 17.5            | 17.5          | 24.0                                                      |
| NR FDD                                                                      | 70        | A       | 15.0            | 33.8          | 24.0                                                      |
| NR FDD                                                                      | 70        | F       | 17.0            | 17.0          | 24.0                                                      |
| NR FDD                                                                      | 71        | A       | 26.3            | 34.7          | 24.5                                                      |
| NR FDD                                                                      | 71        | E       | 20.0            | 20.0          | 24.5                                                      |
| NR TDD                                                                      | 77/78     | F       | 14.5            | 13.5          | 26.0                                                      |
| NR TDD SRS 1                                                                | 77/78     | C       | 12.0            | 11.0          | 23.0                                                      |
| NR TDD SRS 2                                                                | 77/78     | I       | 14.5            | 14.0          | 23.0                                                      |
| NR TDD SRS 3                                                                | 77/78     | D       | 11.0            | 10.0          | 20.0                                                      |
| NR TDD                                                                      | 77/78 DoD | F       | 14.5            | 13.5          | 26.0                                                      |
| NR TDD SRS 1                                                                | 77/78 DoD | C       | 12.0            | 11.0          | 23.0                                                      |
| NR TDD SRS 2                                                                | 77/78 DoD | I       | 14.5            | 14.0          | 23.0                                                      |
| NR TDD SRS 3                                                                | 77/78 DoD | D       | 11.0            | 10.0          | 20.0                                                      |
| WLAN                                                                        | 2.4       | H       | 17.0            | 17.0          | 20.0                                                      |
| WLAN                                                                        | 2.4       | J       | 17.0            | 17.0          | 20.0                                                      |
| WLAN                                                                        | 2.4       | H+J     | 17.0            | 17.0          | 20.0                                                      |
| WLAN                                                                        | 5         | H       | 14.0            | 14.0          | 18.0                                                      |
| WLAN                                                                        | 5         | E       | 14.0            | 14.0          | 18.0                                                      |
| WLAN                                                                        | 5         | H+E     | 14.0            | 14.0          | 18.0                                                      |
| WLAN                                                                        | 6         | H       | 8.0             | 8.0           | 16.0                                                      |
| WLAN                                                                        | 6         | E       | 8.0             | 8.0           | 16.0                                                      |
| WLAN                                                                        | 6         | H+E     | 8.0             | 8.0           | 16.0                                                      |

Table 4-3 SAR Characterization

## 5. Equipment List

| Manufacturer | Type / Model             | S/N                | Calib. Date | Calib.Interval | Calib.Due  |
|--------------|--------------------------|--------------------|-------------|----------------|------------|
| SPEAG        | SAM Phantom              | -                  | N/A         | N/A            | N/A        |
| SPEAG        | ELI Phantom              | -                  | N/A         | N/A            | N/A        |
| SPEAG        | cDASY6 5G Module Phantom | -                  | N/A         | N/A            | N/A        |
| HP           | SAR System Control PC    | -                  | N/A         | N/A            | N/A        |
| Staubli 1-L  | CS8Cspeag-TX90           | F11/ 5K3RA1/ C/ 01 | N/A         | N/A            | N/A        |
| Staubli 1-R  | CS8Cspeag-TX90           | F12/ 5K9GA1/ C/ 01 | N/A         | N/A            | N/A        |
| Staubli 2    | CS8Cspeag-TX90           | F13/ 5R4XF1/ C/ 01 | N/A         | N/A            | N/A        |
| Staubli 5    | CS8Cspeag-TX90           | F17/ 59RAA1/ C/ 01 | N/A         | N/A            | N/A        |
| Staubli 7    | CS8Cspeag-TX90           | F08/5AJ0A1/C/01    | N/A         | N/A            | N/A        |
| Staubli 8    | CS8Cspeag-TX60           | F/20/0018446/C/001 | N/A         | N/A            | N/A        |
| Staubli 1-L  | TX90 Lspeag              | F11/ 5K3RA1/ A/ 01 | N/A         | N/A            | N/A        |
| Staubli 1-R  | TX90 XLSpeag             | F12/ 5K9GA1/ C/ 01 | N/A         | N/A            | N/A        |
| Staubli 2    | TX90 XLSpeag             | F13/ 5R4XF1/ A/ 01 | N/A         | N/A            | N/A        |
| Staubli 5    | TX90 XLSpeag             | F17/ 59RAA1/ A/ 01 | N/A         | N/A            | N/A        |
| Staubli 7    | TX90 XLSpeag             | F08/5AJ0A1/A/01    | N/A         | N/A            | N/A        |
| Staubli 8    | TX60 Lspeag              | F/20/0018446/A/001 | N/A         | N/A            | N/A        |
| Staubli 1-L  | Teach Pendant (Joystick) | S-1203 0309        | N/A         | N/A            | N/A        |
| Staubli 1-R  | Teach Pendant (Joystick) | S-1206 0513        | N/A         | N/A            | N/A        |
| Staubli 2    | Teach Pendant (Joystick) | S-1338 1332        | N/A         | N/A            | N/A        |
| Staubli 5    | Teach Pendant (Joystick) | 011578             | N/A         | N/A            | N/A        |
| Staubli 7    | Teach Pendant (Joystick) | S-0008             | N/A         | N/A            | N/A        |
| Staubli 8    | Teach Pendant (Joystick) | 020885             | N/A         | N/A            | N/A        |
| TESTO 1      | 175-H1/Thermometer       | 40331936309        | 12/26/2025  | Annual         | 12/26/2026 |
| TESTO 2      | 175-H1/Thermometer       | 40331953309        | 01/16/2025  | Annual         | 01/16/2026 |
| TESTO 5      | 175-H1/Thermometer       | 40331922309        | 12/26/2025  | Annual         | 12/26/2026 |
| TESTO 7      | 175-H1/Thermometer       | 40331949309        | 12/26/2025  | Annual         | 12/26/2026 |
| TESTO 8      | 175-H1/Thermometer       | 44606611906        | 03/20/2025  | Annual         | 03/20/2026 |
| TESTO 15     | 608-H1/Thermometer       | 83406789           | 06/26/2025  | Annual         | 06/26/2026 |
| SPEAG        | DAE4                     | 869                | 03/19/2025  | Annual         | 03/19/2026 |
| SPEAG        | DAE4                     | 1750               | 09/13/2024  | Annual         | 09/13/2025 |
| SPEAG        | DAE4                     | 1417               | 02/18/2025  | Annual         | 02/18/2026 |
| SPEAG        | DAE4                     | 868                | 09/19/2024  | Annual         | 09/19/2025 |
| SPEAG        | DAE4                     | 446                | 03/19/2025  | Annual         | 03/19/2026 |
|              | DAE4                     | 1254               | 05/21/2025  | Annual         | 05/21/2026 |
| SPEAG        | E-Field Probe EX3DV4     | 3768               | 10/07/2024  | Annual         | 10/07/2025 |
| SPEAG        | E-Field Probe EX3DV4     | 3797               | 01/21/2025  | Annual         | 01/21/2026 |
| SPEAG        | E-Field Probe EX3DV4     | 7654               | 06/02/2025  | Annual         | 06/02/2026 |
| SPEAG        | E-Field Probe EX3DV4     | 7622               | 11/22/2024  | Annual         | 11/22/2025 |
| SPEAG        | E-Field Probe ES3DV3     | 3076               | 07/17/2024  | Annual         | 07/17/2025 |
|              | E-Field Probe EUmmWV4    | 9464               | 02/24/2025  | Annual         | 02/24/2026 |
| SPEAG        | CLA13                    | 1016               | 11/19/2024  | Annual         | 11/19/2025 |
| SPEAG        | Dipole D750V3            | 1014               | 05/20/2025  | Annual         | 05/20/2026 |
| SPEAG        | Dipole D835V2            | 441                | 04/18/2024  | Biennial       | 04/18/2026 |
| SPEAG        | Dipole D1800V2           | 2d007              | 04/15/2024  | Biennial       | 04/15/2026 |
| SPEAG        | Dipole D1900V2           | 5d061              | 01/20/2025  | Annual         | 01/20/2026 |
| SPEAG        | Dipole D2300V2           | 1010               | 07/19/2023  | Biennial       | 07/19/2025 |
| SPEAG        | Dipole D2450V2           | 1049               | 03/13/2025  | Annual         | 03/13/2026 |
| SPEAG        | Dipole D2600V2           | 1015               | 04/22/2024  | Biennial       | 04/22/2026 |
| SPEAG        | Dipole D3500V2           | 1040               | 01/16/2025  | Annual         | 01/16/2026 |
| SPEAG        | Dipole D3700V2           | 1105               | 09/18/2024  | Annual         | 09/18/2025 |
| SPEAG        | Dipole D3900V2           | 1019               | 05/21/2025  | Annual         | 05/21/2026 |
| SPEAG        | Dipole D5GHzV2           | 1107               | 04/19/2024  | Biennial       | 04/19/2026 |
| SPEAG        | Dipole D6.5GHzV2         | 1012               | 09/17/2024  | Annual         | 09/17/2025 |
| Manufacturer | Type / Model             | S/N                | Calib. Date | Calib.Interval | Calib.Due  |

|               |                                          |             |            |        |            |
|---------------|------------------------------------------|-------------|------------|--------|------------|
| SPEAG         | 5G Power Verification Source 10GHz       | 1018        | 04/11/2025 | Annual | 04/11/2026 |
| Agilent       | Power Meter E4419B                       | MY41291386  | 09/11/2024 | Annual | 09/11/2025 |
| Agilent       | Power Meter N1911A                       | MY45101406  | 05/19/2025 | Annual | 05/19/2026 |
| Agilent       | Power Sensor 8481A                       | SG1091286   | 09/12/2024 | Annual | 09/12/2025 |
| H.P           | Power Sensor 8481A                       | MY41090675  | 09/12/2024 | Annual | 09/12/2025 |
| Agilent       | Power Meter E4419B                       | MY41291386  | 09/11/2024 | Annual | 09/11/2025 |
| Agilent       | Wideband Power Sensor N1921A             | MY55220026  | 07/30/2024 | Annual | 07/30/2025 |
| Agilent       | 11636B/Power Divider                     | 58698       | 01/13/2025 | Annual | 01/13/2026 |
| SPEAG         | DAKS 3.5                                 | 1038        | 01/20/2025 | Annual | 01/20/2026 |
| SPEAG         | Vector Reflectometer                     | 0141013     | 01/13/2025 | Annual | 01/13/2026 |
| SPEAG         | MXA Signal Analyzer                      | MY49100108  | 01/07/2025 | Annual | 01/07/2026 |
| H.P           | Network Analyzer /8753E                  | JP38451384  | 08/20/2024 | Annual | 08/20/2025 |
| Protek        | NETWORK ANALYZER                         | X11-15305   | 02/10/2025 | Annual | 02/10/2026 |
| Agilent       | WIRELESS COMMUNICATION E5515C            | MY48361100  | 09/11/2024 | Annual | 09/11/2025 |
| Agilent       | WIRELESS COMMUNICATION E5515C            | MY48360252  | 07/29/2024 | Annual | 07/29/2025 |
| R&S           | Wireless Communication Test Set CMW500   | 115733      | 03/20/2025 | Annual | 03/20/2026 |
| R&S           | Wireless Communication Test Set CMW500   | 139333      | 12/09/2024 | Annual | 12/09/2025 |
| Agilent       | SIGNAL GENERATOR N5182A                  | MY47070230  | 03/18/2025 | Annual | 03/18/2026 |
| Agilent       | SIGNAL GENERATOR N5182A                  | MY47070230  | 03/18/2025 | Annual | 03/18/2026 |
| Keysight      | PSG Vector Signal Generator              | MY50350097  | 03/05/2025 | Annual | 03/05/2026 |
| EMPOWER       | RF Power Amplifier                       | 1084        | 05/20/2025 | Annual | 05/20/2026 |
| EMPOWER       | RF Power Amplifier                       | 1041D/C0508 | 05/20/2025 | Annual | 05/20/2026 |
| EMPOWER       | RF Power Amplifier                       | 1011        | 09/11/2024 | Annual | 09/11/2025 |
| MICRO LAB     | LP Filter / LA-15N                       | 10453       | 09/11/2024 | Annual | 09/11/2025 |
| MICRO LAB     | LP Filter / LA-30N                       | -           | 09/11/2024 | Annual | 09/11/2025 |
| MICRO LAB     | LP Filter / LA-60N                       | 32011       | 09/11/2024 | Annual | 09/11/2025 |
| Agilent       | Attenuator (3dB) 8693B                   | MY39260298  | 08/20/2024 | Annual | 08/20/2025 |
| HP            | Attenuator (20dB) 8493C                  | 09271       | 08/21/2024 | Annual | 08/21/2025 |
| Agilent       | Directional Bridge 86205A                | 3140A04581  | 04/18/2025 | Annual | 04/18/2026 |
| Agilent       | Directional Bridge 86205A                | 3140A04581  | 04/18/2025 | Annual | 04/18/2026 |
| OSI           | Power Divider                            | #1          | 05/20/2025 | Annual | 05/20/2026 |
| OSI           | Power Divider                            | #2          | 05/20/2025 | Annual | 05/20/2026 |
| OSI           | Power Divider                            | #3          | 05/20/2025 | Annual | 05/20/2026 |
| OSI           | Power Divider                            | #4          | 05/20/2025 | Annual | 05/20/2026 |
| Agilent       | MXA Signal Analyzer N9020A               | MY50510407  | 06/09/2025 | Annual | 06/09/2026 |
| HP            | Dual Directional Coupler                 | 16072       | 09/11/2024 | Annual | 09/11/2025 |
| Anritsu       | Radio Communication Test Station MT8000A | 6262036812  | 11/27/2024 | Annual | 11/27/2025 |
| Anritsu       | Radio Communication Test Station MT8000A | 6262148305  | 12/23/2024 | Annual | 12/23/2025 |
| Anritsu       | Radio Communication Tester MT8820C       | 6201074225  | 01/13/2025 | Annual | 01/13/2026 |
| Anritsu       | Radio Communication Tester MT8820C       | 6200695605  | 03/21/2025 | Annual | 03/21/2026 |
| Anritsu       | Radio Communication Tester MT8821C       | 6201502997  | 05/21/2025 | Annual | 05/21/2026 |
| Anritsu       | Radio Communication Tester MT8821C       | 6262044720  | 11/27/2024 | Annual | 11/27/2025 |
| Anritsu       | Radio Communication Tester MT8821C       | 6201664725  | 01/13/2025 | Annual | 01/13/2026 |
| Agilent       | WIRELESS COMMUNICATION E5515C            | MY50260992  | 05/20/2025 | Annual | 05/20/2026 |
| ROHDE&SCHWARZ | BLUETOOTH TESTER CBT                     | 100272      | 01/13/2025 | Annual | 01/13/2026 |
| Keysight      | PSG Vector Signal Generator              | MY50350097  | 03/05/2025 | Annual | 03/05/2026 |

Note: All measurements were performed within the valid calibration period of the specific equipment.

\* The E-field probe was calibrated by SPEAG, by the waveguide technique procedure. Dipole Verification measurement is performed by HCT Lab. before each test. The brain/body simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity (dielectric constant) of the brain/body-equivalent material.

## 6. Measurement Uncertainty

The measured SAR was  $<1.5$  W/Kg for 1g SAR and  $<3.75$  W/Kg, for 10g SAR for all frequency Bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE1528-2013 was not required.

## Appendix A: SAR Test Results For P limit CALCULATIONS

Table A-1 DSI = 1 *PLimit* Calculations – 2G/3G Head SAR

| MEASUREMENT RESULTS |      |             |           |                 |               |             |         |        |         |
|---------------------|------|-------------|-----------|-----------------|---------------|-------------|---------|--------|---------|
| Frequency           |      | Mode/ Band  | Ant.      | Frame Averaged  | Test Position | Duty Cycle  | Meas.   | Plimit | Minimum |
| MHz                 | Ch.  |             |           | Conducted Power |               |             | SAR(1g) | (dBm)  | Plimit  |
|                     |      |             |           | (dBm)           |               |             | (W/kg)  | (dBm)  | (dBm)   |
| 836.6               | 190  | GSM 850     | GPRS 3Tx  | A               | 25.00         | Left Cheek  | 1:2.77  | 0.105  | 34.8    |
| 836.6               | 190  | GSM 850     |           | A               | 25.00         | Left Tilt   | 1:2.77  | 0.068  | 36.7    |
| 836.6               | 190  | GSM 850     |           | A               | 25.00         | Right Cheek | 1:2.77  | 0.116  | 34.4    |
| 836.6               | 190  | GSM 850     |           | A               | 25.00         | Right Tilt  | 1:2.77  | 0.054  | 37.7    |
| 836.6               | 190  | GSM 850     | GSM Voice | E               | 18.01         | Left Cheek  | 1:8.3   | 0.250  | 24.0    |
| 836.6               | 190  | GSM 850     |           | E               | 18.01         | Left Tilt   | 1:8.3   | 0.356  | 22.5    |
| 836.6               | 190  | GSM 850     |           | E               | 18.01         | Right Cheek | 1:8.3   | 0.217  | 24.6    |
| 836.6               | 190  | GSM 850     |           | E               | 18.01         | Right Tilt  | 1:8.3   | 0.237  | 24.3    |
| 1 880               | 661  | GSM 1900    | GPRS 3Tx  | A               | 22.40         | Left Cheek  | 1:2.07  | 0.149  | 30.7    |
| 1 880               | 661  | GSM 1900    |           | A               | 22.40         | Left Tilt   | 1:2.07  | 0.076  | 33.6    |
| 1 880               | 661  | GSM 1900    |           | A               | 22.40         | Right Cheek | 1:2.07  | 0.082  | 33.3    |
| 1 880               | 661  | GSM 1900    |           | A               | 22.40         | Right Tilt  | 1:2.07  | 0.067  | 34.1    |
| 836.6               | 4183 | UMTS Band 5 | RMC       | A               | 22.68         | Left Cheek  | 1:1     | 0.076  | 33.9    |
| 836.6               | 4183 | UMTS Band 5 | RMC       | A               | 22.68         | Left Tilt   | 1:1     | 0.079  | 33.7    |
| 836.6               | 4183 | UMTS Band 5 | RMC       | A               | 22.68         | Right Cheek | 1:1     | 0.119  | 31.9    |
| 836.6               | 4183 | UMTS Band 5 | RMC       | A               | 22.68         | Right Tilt  | 1:1     | 0.058  | 35.0    |
| 836.6               | 4183 | UMTS Band 5 | RMC       | E               | 18.33         | Left Cheek  | 1:1     | 0.305  | 23.5    |
| 836.6               | 4183 | UMTS Band 5 | RMC       | E               | 18.33         | Left Tilt   | 1:1     | 0.316  | 23.3    |
| 836.6               | 4183 | UMTS Band 5 | RMC       | E               | 18.33         | Right Cheek | 1:1     | 0.230  | 24.7    |
| 836.6               | 4183 | UMTS Band 5 | RMC       | E               | 18.33         | Right Tilt  | 1:1     | 0.254  | 24.3    |
| 1 732.4             | 1412 | UMTS Band 4 | RMC       | A               | 17.17         | Left Cheek  | 1:1     | 0.050  | 30.2    |
| 1 732.4             | 1412 | UMTS Band 4 | RMC       | A               | 17.17         | Left Tilt   | 1:1     | 0.023  | 33.6    |
| 1 732.4             | 1412 | UMTS Band 4 | RMC       | A               | 17.17         | Right Cheek | 1:1     | 0.033  | 32.0    |
| 1 732.4             | 1412 | UMTS Band 4 | RMC       | A               | 17.17         | Right Tilt  | 1:1     | 0.025  | 33.2    |
| 1 880               | 9400 | UMTS Band 2 | RMC       | A               | 17.58         | Left Cheek  | 1:1     | 0.044  | 31.1    |
| 1 880               | 9400 | UMTS Band 2 | RMC       | A               | 17.58         | Left Tilt   | 1:1     | 0.033  | 32.4    |
| 1 880               | 9400 | UMTS Band 2 | RMC       | A               | 17.58         | Right Cheek | 1:1     | 0.026  | 33.4    |
| 1 880               | 9400 | UMTS Band 2 | RMC       | A               | 17.58         | Right Tilt  | 1:1     | 0.019  | 34.8    |

Table A-2 RSI = 1 *PLimit* Calculations – 4G Head SAR

| MEASUREMENT RESULTS |        |             |      |            |                                |               |      |         |           |            |               |        |                |
|---------------------|--------|-------------|------|------------|--------------------------------|---------------|------|---------|-----------|------------|---------------|--------|----------------|
| Frequency           |        | Mode        | Ant. | Band width | Frame Averaged Conducted Power | Test Position | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |             |      | (MHz)      | (dBm)                          |               | (dB) |         |           |            | (W/kg)        | (dBm)  | (dBm)          |
| 1 882.5             | 26365  | LTE Band 25 | A    | 20         | 24.75                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.194         | 31.9   | 31.9           |
| 1 882.5             | 26365  | LTE Band 25 | A    | 20         | 24.75                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.054         | 37.4   |                |
| 1 882.5             | 26365  | LTE Band 25 | A    | 20         | 24.75                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.084         | 35.5   |                |
| 1 882.5             | 26365  | LTE Band 25 | A    | 20         | 24.75                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.083         | 35.6   |                |
| 1 882.5             | 26365  | LTE Band 25 | F    | 20         | 16.75                          | Left Cheek    | 0    | 1       | 49        | 1:1        | 0.378         | 21.0   | 18.0           |
| 1 882.5             | 26365  | LTE Band 25 | F    | 20         | 16.75                          | Left Tilt     | 0    | 1       | 49        | 1:1        | 0.567         | 19.2   |                |
| 1 882.5             | 26365  | LTE Band 25 | F    | 20         | 16.75                          | Right Cheek   | 0    | 1       | 49        | 1:1        | 0.667         | 18.5   |                |
| 1 882.5             | 26365  | LTE Band 25 | F    | 20         | 16.75                          | Right Tilt    | 0    | 1       | 49        | 1:1        | 0.745         | 18.0   |                |
| 1 720               | 132072 | LTE Band 66 | A    | 20         | 23.94                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.238         | 30.2   | 30.2           |
| 1 720               | 132072 | LTE Band 66 | A    | 20         | 23.94                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.129         | 32.8   |                |
| 1 720               | 132072 | LTE Band 66 | A    | 20         | 23.94                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.150         | 32.2   |                |
| 1 720               | 132072 | LTE Band 66 | A    | 20         | 23.94                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.112         | 33.4   |                |
| 1 720               | 132072 | LTE Band 66 | F    | 20         | 17.75                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.397         | 21.8   | 19.5           |
| 1 720               | 132072 | LTE Band 66 | F    | 20         | 17.75                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.276         | 23.3   |                |
| 1 720               | 132072 | LTE Band 66 | F    | 20         | 17.75                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.638         | 19.7   |                |
| 1 720               | 132072 | LTE Band 66 | F    | 20         | 17.75                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.666         | 19.5   |                |
| 2 510               | 20850  | LTE Band 7  | B    | 20         | 24.43                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.102         | 34.3   | 34.3           |
| 2 510               | 20850  | LTE Band 7  | B    | 20         | 24.43                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.054         | 37.1   |                |
| 2 510               | 20850  | LTE Band 7  | B    | 20         | 24.43                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.032         | 39.4   |                |
| 2 510               | 20850  | LTE Band 7  | B    | 20         | 24.43                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.040         | 38.4   |                |
| 2 560               | 21350  | LTE Band 7  | F    | 20         | 17.70                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.241         | 23.9   | 20.3           |
| 2 560               | 21350  | LTE Band 7  | F    | 20         | 17.70                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.287         | 23.1   |                |
| 2 560               | 21350  | LTE Band 7  | F    | 20         | 17.70                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.528         | 20.5   |                |
| 2 560               | 21350  | LTE Band 7  | F    | 20         | 17.70                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.546         | 20.3   |                |
| 707.5               | 23095  | LTE Band 12 | A    | 10         | 24.45                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.149         | 32.7   | 32.7           |
| 707.5               | 23095  | LTE Band 12 | A    | 10         | 24.45                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.010         | 44.4   |                |
| 707.5               | 23095  | LTE Band 12 | A    | 10         | 24.45                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.046         | 37.8   |                |
| 707.5               | 23095  | LTE Band 12 | A    | 10         | 24.45                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.016         | 42.4   |                |
| 707.5               | 23095  | LTE Band 12 | E    | 10         | 20.94                          | Left Cheek    | 0    | 1       | 24        | 1:1        | 0.701         | 22.5   | 22.3           |
| 707.5               | 23095  | LTE Band 12 | E    | 10         | 20.94                          | Left Tilt     | 0    | 1       | 24        | 1:1        | 0.664         | 22.7   |                |
| 707.5               | 23095  | LTE Band 12 | E    | 10         | 20.94                          | Right Cheek   | 0    | 1       | 24        | 1:1        | 0.724         | 22.3   |                |
| 707.5               | 23095  | LTE Band 12 | E    | 10         | 20.94                          | Right Tilt    | 0    | 1       | 24        | 1:1        | 0.583         | 23.3   |                |
| 782                 | 23230  | LTE Band 13 | A    | 10         | 24.58                          | Left Cheek    | 0    | 1       | 24        | 1:1        | 0.122         | 33.7   | 33.7           |
| 782                 | 23230  | LTE Band 13 | A    | 10         | 24.58                          | Left Tilt     | 0    | 1       | 24        | 1:1        | 0.012         | 43.8   |                |
| 782                 | 23230  | LTE Band 13 | A    | 10         | 24.58                          | Right Cheek   | 0    | 1       | 24        | 1:1        | 0.037         | 38.9   |                |
| 782                 | 23230  | LTE Band 13 | A    | 10         | 24.58                          | Right Tilt    | 0    | 1       | 24        | 1:1        | 0.010         | 44.6   |                |
| 782                 | 23230  | LTE Band 13 | E    | 10         | 20.38                          | Left Cheek    | 0    | 1       | 49        | 1:1        | 0.482         | 23.5   | 23.5           |
| 782                 | 23230  | LTE Band 13 | E    | 10         | 20.38                          | Left Tilt     | 0    | 1       | 49        | 1:1        | 0.465         | 23.7   |                |
| 782                 | 23230  | LTE Band 13 | E    | 10         | 20.38                          | Right Cheek   | 0    | 1       | 49        | 1:1        | 0.439         | 24.0   |                |
| 782                 | 23230  | LTE Band 13 | E    | 10         | 20.38                          | Right Tilt    | 0    | 1       | 49        | 1:1        | 0.417         | 24.2   |                |

| MEASUREMENT RESULTS |       |                 |      |            |                                |               |      |         |           |            |               |        |                |
|---------------------|-------|-----------------|------|------------|--------------------------------|---------------|------|---------|-----------|------------|---------------|--------|----------------|
| Frequency           |       | Mode            | Ant. | Band width | Frame Averaged Conducted Power | Test Position | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.   |                 |      | (MHz)      | (dBm)                          |               | (dB) |         |           |            | (W/kg)        | (dBm)  | (dBm)          |
| 793                 | 23330 | LTE Band 14     | A    | 10         | 24.95                          | Left Cheek    | 0    | 1       | 24        | 1:1        | 0.158         | 33.0   | 33.0           |
| 793                 | 23330 | LTE Band 14     | A    | 10         | 24.95                          | Left Tilt     | 0    | 1       | 24        | 1:1        | 0.017         | 42.6   |                |
| 793                 | 23330 | LTE Band 14     | A    | 10         | 24.95                          | Right Cheek   | 0    | 1       | 24        | 1:1        | 0.051         | 37.9   |                |
| 793                 | 23330 | LTE Band 14     | A    | 10         | 24.95                          | Right Tilt    | 0    | 1       | 24        | 1:1        | 0.011         | 44.5   |                |
| 793                 | 23330 | LTE Band 14     | E    | 10         | 20.83                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.521         | 23.7   | 23.2           |
| 793                 | 23330 | LTE Band 14     | E    | 10         | 20.83                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.575         | 23.2   |                |
| 793                 | 23330 | LTE Band 14     | E    | 10         | 20.83                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.536         | 23.5   |                |
| 793                 | 23330 | LTE Band 14     | E    | 10         | 20.83                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.498         | 23.9   |                |
| 831.5               | 26865 | LTE Band 26     | A    | 15         | 24.89                          | Left Cheek    | 0    | 1       | 74        | 1:1        | 0.104         | 34.7   | 34.7           |
| 831.5               | 26865 | LTE Band 26     | A    | 15         | 24.89                          | Left Tilt     | 0    | 1       | 74        | 1:1        | 0.035         | 39.4   |                |
| 831.5               | 26865 | LTE Band 26     | A    | 15         | 24.89                          | Right Cheek   | 0    | 1       | 74        | 1:1        | 0.080         | 35.9   |                |
| 831.5               | 26865 | LTE Band 26     | A    | 15         | 24.89                          | Right Tilt    | 0    | 1       | 74        | 1:1        | 0.033         | 39.7   |                |
| 831.5               | 26865 | LTE Band 26     | E    | 15         | 19.88                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.488         | 23.0   | 23.0           |
| 831.5               | 26865 | LTE Band 26     | E    | 15         | 19.88                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.491         | 23.0   |                |
| 831.5               | 26865 | LTE Band 26     | E    | 15         | 19.88                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.414         | 23.7   |                |
| 831.5               | 26865 | LTE Band 26     | E    | 15         | 19.88                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.326         | 24.7   |                |
| 2 310               | 27710 | LTE Band 30     | A    | 10         | 24.43                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.102         | 34.3   | 34.3           |
| 2 310               | 27710 | LTE Band 30     | A    | 10         | 24.43                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.054         | 37.1   |                |
| 2 310               | 27710 | LTE Band 30     | A    | 10         | 24.43                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.032         | 39.4   |                |
| 2 310               | 27710 | LTE Band 30     | A    | 10         | 24.43                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.040         | 38.4   |                |
| 2 310               | 27710 | LTE Band 30     | F    | 10         | 18.58                          | Left Cheek    | 0    | 1       | 49        | 1:1        | 0.293         | 23.9   | 20.9           |
| 2 310               | 27710 | LTE Band 30     | F    | 10         | 18.58                          | Left Tilt     | 0    | 1       | 49        | 1:1        | 0.350         | 23.1   |                |
| 2 310               | 27710 | LTE Band 30     | F    | 10         | 18.58                          | Right Cheek   | 0    | 1       | 49        | 1:1        | 0.581         | 20.9   |                |
| 2 310               | 27710 | LTE Band 30     | F    | 10         | 18.58                          | Right Tilt    | 0    | 1       | 49        | 1:1        | 0.571         | 21.0   |                |
| 2 593               | 40620 | LTE Band 41 PC3 | B    | 20         | 22.34                          | Left Cheek    | 0    | 1       | 0         | 1:1.58     | 0.035         | 36.9   | 36.9           |
| 2 593               | 40620 | LTE Band 41 PC3 | B    | 20         | 22.34                          | Left Tilt     | 0    | 1       | 0         | 1:1.58     | 0.019         | 39.6   |                |
| 2 593               | 40620 | LTE Band 41 PC3 | B    | 20         | 22.34                          | Right Cheek   | 0    | 1       | 0         | 1:1.58     | 0.028         | 37.9   |                |
| 2 593               | 40620 | LTE Band 41 PC3 | B    | 20         | 22.34                          | Right Tilt    | 0    | 1       | 0         | 1:1.58     | 0.028         | 37.9   |                |
| 2 680               | 41490 | LTE Band 41 PC3 | F    | 20         | 17.59                          | Left Cheek    | 0    | 1       | 0         | 1:1.58     | 0.402         | 21.6   | 18.0           |
| 2 680               | 41490 | LTE Band 41 PC3 | F    | 20         | 17.59                          | Left Tilt     | 0    | 1       | 0         | 1:1.58     | 0.508         | 20.5   |                |
| 2 680               | 41490 | LTE Band 41 PC3 | F    | 20         | 17.59                          | Right Cheek   | 0    | 1       | 0         | 1:1.58     | 0.919         | 18.0   |                |
| 2 680               | 41490 | LTE Band 41 PC3 | F    | 20         | 17.59                          | Right Tilt    | 0    | 1       | 0         | 1:1.58     | 0.888         | 18.1   |                |
| 3 690               | 56640 | LTE Band 48     | F    | 20         | 14.25                          | Left Cheek    | 0    | 1       | 99        | 1:1.58     | 0.357         | 18.7   | 15.3           |
| 3 690               | 56640 | LTE Band 48     | F    | 20         | 14.25                          | Left Tilt     | 0    | 1       | 99        | 1:1.58     | 0.463         | 17.6   |                |
| 3 690               | 56640 | LTE Band 48     | F    | 20         | 14.25                          | Right Cheek   | 0    | 1       | 99        | 1:1.58     | 0.773         | 15.4   |                |
| 3 690               | 56640 | LTE Band 48     | F    | 20         | 14.25                          | Right Tilt    | 0    | 1       | 99        | 1:1.58     | 0.786         | 15.3   |                |

| MEASUREMENT RESULTS |        |             |      |            |                                |               |      |         |           |            |               |        |                |
|---------------------|--------|-------------|------|------------|--------------------------------|---------------|------|---------|-----------|------------|---------------|--------|----------------|
| Frequency           |        | Mode        | Ant. | Band width | Frame Averaged Conducted Power | Test Position | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |             |      | (MHz)      | (dBm)                          |               | (dB) |         |           |            | (W/kg)        | (dBm)  | (dBm)          |
| 680.5               | 133297 | LTE Band 71 | A    | 20         | 24.90                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.109         | 34.5   | 33.6           |
| 680.5               | 133297 | LTE Band 71 | A    | 20         | 24.90                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.057         | 37.3   |                |
| 680.5               | 133297 | LTE Band 71 | A    | 20         | 24.90                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.134         | 33.6   |                |
| 680.5               | 133297 | LTE Band 71 | A    | 20         | 24.90                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.055         | 37.5   |                |
| 680.5               | 133297 | LTE Band 71 | E    | 20         | 20.71                          | Left Cheek    | 0    | 1       | 0         | 1:1        | 0.414         | 24.5   | 24.1           |
| 680.5               | 133297 | LTE Band 71 | E    | 20         | 20.71                          | Left Tilt     | 0    | 1       | 0         | 1:1        | 0.379         | 24.9   |                |
| 680.5               | 133297 | LTE Band 71 | E    | 20         | 20.71                          | Right Cheek   | 0    | 1       | 0         | 1:1        | 0.454         | 24.1   |                |
| 680.5               | 133297 | LTE Band 71 | E    | 20         | 20.71                          | Right Tilt    | 0    | 1       | 0         | 1:1        | 0.326         | 25.6   |                |

**Table A-3 RSI = 1 *PLimit* Calculations – NR Head SAR**

For some bands/modes, a lower *PLimit* was selected as a more conservative evaluation.

NR TDD Bands : In the case of the NR TDD bands, the *PLimit* were calculated as the Frame average power to which the duty factor was applied to the burst power.

SAR measurements of all NR TDD bands were measured in FTM Mode.

| MEASUREMENT RESULTS |        |        |      |            |                                |               |             |      |         |           |            |                |        |                |
|---------------------|--------|--------|------|------------|--------------------------------|---------------|-------------|------|---------|-----------|------------|----------------|--------|----------------|
| Frequency           |        | Mode   | Ant. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode   | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR (1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |        |      | (MHz)      | (dBm)                          |               |             | (dB) |         |           |            | (W/kg)         | (dBm)  | (dBm)          |
| 1882.5              | 376500 | NR n25 | A    | 40         | 24.10                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.216          | 30.8   | 30.8           |
| 1882.5              | 376500 | NR n25 | A    | 40         | 24.10                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.060          | 36.3   |                |
| 1882.5              | 376500 | NR n25 | A    | 40         | 24.10                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.062          | 36.2   |                |
| 1882.5              | 376500 | NR n25 | A    | 40         | 24.10                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.064          | 36.0   |                |
| 1882.5              | 376500 | NR n25 | F    | 40         | 17.89                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.298          | 23.1   | 19.9           |
| 1882.5              | 376500 | NR n25 | F    | 40         | 17.89                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.558          | 20.4   |                |
| 1882.5              | 376500 | NR n25 | F    | 40         | 17.89                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.634          | 19.9   |                |
| 1882.5              | 376500 | NR n25 | F    | 40         | 17.89                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.521          | 20.7   |                |
| 2535                | 207000 | NR n7  | B    | 40         | 23.81                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.112          | 33.3   | 33.3           |
| 2535                | 207000 | NR n7  | B    | 40         | 23.81                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.027          | 39.5   |                |
| 2535                | 207000 | NR n7  | B    | 40         | 23.81                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.035          | 38.4   |                |
| 2535                | 207000 | NR n7  | B    | 40         | 23.81                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.037          | 38.1   |                |
| 2535                | 207000 | NR n7  | F    | 40         | 16.48                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.293          | 21.8   | 18.3           |
| 2535                | 207000 | NR n7  | F    | 40         | 16.48                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.328          | 21.3   |                |
| 2535                | 207000 | NR n7  | F    | 40         | 16.48                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.565          | 19.0   |                |
| 2535                | 207000 | NR n7  | F    | 40         | 16.48                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 108       | 1:1        | 0.651          | 18.3   |                |
| 707.5               | 141500 | NR n12 | A    | 15         | 24.68                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.088          | 35.2   | 34.0           |
| 707.5               | 141500 | NR n12 | A    | 15         | 24.68                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.038          | 38.9   |                |
| 707.5               | 141500 | NR n12 | A    | 15         | 24.68                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.118          | 34.0   |                |
| 707.5               | 141500 | NR n12 | A    | 15         | 24.68                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.011          | 44.3   |                |
| 707.5               | 141500 | NR n12 | E    | 15         | 19.97                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.712          | 21.4   | 21.4           |
| 707.5               | 141500 | NR n12 | E    | 15         | 19.97                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.671          | 21.7   |                |
| 707.5               | 141500 | NR n12 | E    | 15         | 19.97                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.644          | 21.9   |                |
| 707.5               | 141500 | NR n12 | E    | 15         | 19.97                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.514          | 22.9   |                |
| 793                 | 158600 | NR n14 | A    | 10         | 24.72                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 26        | 1:1        | 0.151          | 32.9   | 31.6           |
| 793                 | 158600 | NR n14 | A    | 10         | 24.72                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 26        | 1:1        | 0.018          | 42.2   |                |
| 793                 | 158600 | NR n14 | A    | 10         | 24.72                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 26        | 1:1        | 0.204          | 31.6   |                |
| 793                 | 158600 | NR n14 | A    | 10         | 24.72                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 26        | 1:1        | 0.015          | 43.0   |                |
| 793                 | 158600 | NR n14 | E    | 10         | 20.91                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.546          | 23.5   | 23.5           |
| 793                 | 158600 | NR n14 | E    | 10         | 20.91                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.523          | 23.7   |                |
| 793                 | 158600 | NR n14 | E    | 10         | 20.91                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.502          | 23.9   |                |
| 793                 | 158600 | NR n14 | E    | 10         | 20.91                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.442          | 24.5   |                |
| 831.5               | 166300 | NR n26 | A    | 20         | 25.00                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.059          | 37.3   | 36.6           |
| 831.5               | 166300 | NR n26 | A    | 20         | 25.00                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.036          | 39.4   |                |
| 831.5               | 166300 | NR n26 | A    | 20         | 25.00                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.069          | 36.6   |                |
| 831.5               | 166300 | NR n26 | A    | 20         | 25.00                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.037          | 39.3   |                |

| MEASUREMENT RESULTS |        |              |      |               |                                          |                  |             |      |            |              |               |                      |        |                   |
|---------------------|--------|--------------|------|---------------|------------------------------------------|------------------|-------------|------|------------|--------------|---------------|----------------------|--------|-------------------|
| Frequency           |        | Mode         | Ant. | Band<br>width | Frame<br>Averaged<br>Conducte<br>d Power | Test<br>Position | OFDM Mode   | MPR  | RB<br>Size | RB<br>offset | Duty<br>Cycle | Meas.<br>SAR<br>(1g) | Plimit | Minimum<br>Plimit |
| Mhz                 | Ch.    |              |      | (MHz)         | (dBm)                                    |                  |             | (dB) | (W/kg<br>) | (dBm)        | (dBm)         |                      |        |                   |
| 831.5               | 166300 | NR n26       | E    | 20            | 20.02                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 1            | 1:1           | 0.482                | 23.2   | 23.2              |
| 831.5               | 166300 | NR n26       | E    | 20            | 20.02                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 1            | 1:1           | 0.433                | 23.7   |                   |
| 831.5               | 166300 | NR n26       | E    | 20            | 20.02                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 1            | 1:1           | 0.393                | 24.1   |                   |
| 831.5               | 166300 | NR n26       | E    | 20            | 20.02                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 1            | 1:1           | 0.358                | 24.5   |                   |
| 2310                | 462000 | NR n30       | A    | 10            | 22.90                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 1            | 1:1           | 0.043                | 36.6   | 36.6              |
| 2310                | 462000 | NR n30       | A    | 10            | 22.90                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 1            | 1:1           | 0.020                | 39.9   |                   |
| 2310                | 462000 | NR n30       | A    | 10            | 22.90                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 1            | 1:1           | 0.020                | 39.9   |                   |
| 2310                | 462000 | NR n30       | A    | 10            | 22.90                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 1            | 1:1           | 0.035                | 37.5   |                   |
| 2310                | 462000 | NR n30       | F    | 10            | 18.37                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 26           | 1:1           | 0.273                | 24.0   | 21.0              |
| 2310                | 462000 | NR n30       | F    | 10            | 18.37                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 26           | 1:1           | 0.310                | 23.5   |                   |
| 2310                | 462000 | NR n30       | F    | 10            | 18.37                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 26           | 1:1           | 0.522                | 21.2   |                   |
| 2310                | 462000 | NR n30       | F    | 10            | 18.37                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 26           | 1:1           | 0.543                | 21.0   |                   |
| 2592.99             | 518598 | NR n41       | B    | 100           | 26.57                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.080                | 37.5   | 37.5              |
| 2592.99             | 518598 | NR n41       | B    | 100           | 26.57                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.039                | 40.7   |                   |
| 2592.99             | 518598 | NR n41       | B    | 100           | 26.57                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.065                | 38.4   |                   |
| 2592.99             | 518598 | NR n41       | B    | 100           | 26.57                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.062                | 38.6   |                   |
| 2592.99             | 518598 | NR n41 SRS 1 | F    | 100           | 13.79                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.046                | 27.2   | 27.2              |
| 2592.99             | 518598 | NR n41 SRS 1 | F    | 100           | 13.79                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.020                | 30.8   |                   |
| 2592.99             | 518598 | NR n41 SRS 1 | F    | 100           | 13.79                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.036                | 28.2   |                   |
| 2592.99             | 518598 | NR n41 SRS 1 | F    | 100           | 13.79                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.012                | 33.0   |                   |
| 2592.99             | 518598 | NR n41 SRS 2 | D    | 100           | 13.10                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.001                | 43.1   | 40.1              |
| 2592.99             | 518598 | NR n41 SRS 2 | D    | 100           | 13.10                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.001                | 43.1   |                   |
| 2592.99             | 518598 | NR n41 SRS 2 | D    | 100           | 13.10                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.002                | 40.1   |                   |
| 2592.99             | 518598 | NR n41 SRS 2 | D    | 100           | 13.10                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.001                | 43.1   |                   |
| 2592.99             | 518598 | NR n41 SRS 3 | E    | 100           | 17.42                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.850                | 18.1   | 18.1              |
| 2592.99             | 518598 | NR n41 SRS 3 | E    | 100           | 17.42                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.690                | 19.0   |                   |
| 2592.99             | 518598 | NR n41 SRS 3 | E    | 100           | 17.42                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.478                | 20.6   |                   |
| 2592.99             | 518598 | NR n41 SRS 3 | E    | 100           | 17.42                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.482                | 20.6   |                   |
| 2592.99             | 518598 | NR n41       | F    | 100           | 17.36                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.218                | 24.0   | 18.8              |
| 2592.99             | 518598 | NR n41       | F    | 100           | 17.36                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.300                | 22.6   |                   |
| 2592.99             | 518598 | NR n41       | F    | 100           | 17.36                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.656                | 19.2   |                   |
| 2592.99             | 518598 | NR n41       | F    | 100           | 17.36                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.718                | 18.8   |                   |
| 2592.99             | 518598 | NR n41 SRS 1 | B    | 100           | 17.67                                    | Left Cheek       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.002                | 44.7   | 39.9              |
| 2592.99             | 518598 | NR n41 SRS 1 | B    | 100           | 17.67                                    | Left Tilt        | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.004                | 41.6   |                   |
| 2592.99             | 518598 | NR n41 SRS 1 | B    | 100           | 17.67                                    | Right Cheek      | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.006                | 39.9   |                   |
| 2592.99             | 518598 | NR n41 SRS 1 | B    | 100           | 17.67                                    | Right Tilt       | DFT-s- QPSK | 0    | 1          | 137          | 1:1           | 0.006                | 39.9   |                   |

| MEASUREMENT RESULTS |        |              |      |            |                                |               |             |      |         |           |            |                |        |                |
|---------------------|--------|--------------|------|------------|--------------------------------|---------------|-------------|------|---------|-----------|------------|----------------|--------|----------------|
| Frequency           |        | Mode         | Ant. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode   | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR (1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |              |      | (MHz)      | (dBm)                          |               |             | (dB) |         |           |            | (W/kg)         | (dBm)  | (dBm)          |
| 3 624.99            | 641666 | NR n48       | F    | 40         | 16.19                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.291          | 21.6   | 17.7           |
| 3 624.99            | 641666 | NR n48       | F    | 40         | 16.19                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.408          | 20.1   |                |
| 3 624.99            | 641666 | NR n48       | F    | 40         | 16.19                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.592          | 18.5   |                |
| 3 624.99            | 641666 | NR n48       | F    | 40         | 16.19                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.712          | 17.7   |                |
| 3680.01             | 645334 | NR n48 SRS 1 | I    | 40         | 15.20                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.025          | 31.2   | 31.2           |
| 3680.01             | 645334 | NR n48 SRS 1 | I    | 40         | 15.20                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.000          | n/a    |                |
| 3680.01             | 645334 | NR n48 SRS 1 | I    | 40         | 15.20                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.000          | n/a    |                |
| 3680.01             | 645334 | NR n48 SRS 1 | I    | 40         | 15.20                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.017          | 32.9   |                |
| 3624.99             | 641666 | NR n48 SRS 2 | E    | 40         | 15.93                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.235          | 22.2   | 18.9           |
| 3624.99             | 641666 | NR n48 SRS 2 | E    | 40         | 15.93                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.015          | 34.2   |                |
| 3624.99             | 641666 | NR n48 SRS 2 | E    | 40         | 15.93                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.504          | 18.9   |                |
| 3624.99             | 641666 | NR n48 SRS 2 | E    | 40         | 15.93                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.048          | 29.1   |                |
| 3624.99             | 641666 | NR n48 SRS 3 | C    | 40         | 16.68                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.000          | n/a    | n/a            |
| 3624.99             | 641666 | NR n48 SRS 3 | C    | 40         | 16.68                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.000          | n/a    |                |
| 3624.99             | 641666 | NR n48 SRS 3 | C    | 40         | 16.68                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.000          | n/a    |                |
| 3624.99             | 641666 | NR n48 SRS 3 | C    | 40         | 16.68                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 53        | 1:1        | 0.000          | n/a    |                |
| 1745                | 349000 | NR n66       | B    | 40         | 23.85                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.271          | 29.5   | 29.5           |
| 1745                | 349000 | NR n66       | B    | 40         | 23.85                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.091          | 34.3   |                |
| 1745                | 349000 | NR n66       | B    | 40         | 23.85                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.136          | 32.5   |                |
| 1745                | 349000 | NR n66       | B    | 40         | 23.85                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.117          | 33.2   |                |
| 1745                | 349000 | NR n66       | F    | 40         | 17.44                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.289          | 22.8   | 19.7           |
| 1745                | 349000 | NR n66       | F    | 40         | 17.44                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.496          | 20.5   |                |
| 1745                | 349000 | NR n66       | F    | 40         | 17.44                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.556          | 20.0   |                |
| 1745                | 349000 | NR n66       | F    | 40         | 17.44                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.598          | 19.7   |                |
| 1702.5              | 340500 | NR n70       | A    | 15         | 23.83                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.101          | 33.8   | 33.8           |
| 1702.5              | 340500 | NR n70       | A    | 15         | 23.83                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.040          | 37.8   |                |
| 1702.5              | 340500 | NR n70       | A    | 15         | 23.83                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.049          | 36.9   |                |
| 1702.5              | 340500 | NR n70       | A    | 15         | 23.83                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.028          | 39.4   |                |
| 1702.5              | 340500 | NR n70       | F    | 15         | 17.99                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.383          | 22.2   | 19.5           |
| 1702.5              | 340500 | NR n70       | F    | 15         | 17.99                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.490          | 21.1   |                |
| 1702.5              | 340500 | NR n70       | F    | 15         | 17.99                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.608          | 20.2   |                |
| 1702.5              | 340500 | NR n70       | F    | 15         | 17.99                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 77        | 1:1        | 0.708          | 19.5   |                |
| 680.5               | 136100 | NR n71       | A    | 20         | 24.52                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.071          | 36.0   | 34.7           |
| 680.5               | 136100 | NR n71       | A    | 20         | 24.52                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.00583        | 46.7   |                |
| 680.5               | 136100 | NR n71       | A    | 20         | 24.52                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.097          | 34.7   |                |
| 680.5               | 136100 | NR n71       | A    | 20         | 24.52                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.046          | 37.9   |                |

| MEASUREMENT RESULTS |        |                  |      |            |                                |               |             |      |         |           |            |                |        |                |  |
|---------------------|--------|------------------|------|------------|--------------------------------|---------------|-------------|------|---------|-----------|------------|----------------|--------|----------------|--|
| Frequency           |        | Mode             | Ant. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode   | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR (1g) | Plimit | Minimum Plimit |  |
| MHz                 | Ch.    |                  |      | (MHz)      | (dBm)                          |               |             | (dB) | (W/kg)  | (dBm)     | (dBm)      |                |        |                |  |
| 680.5               | 136100 | NR n71           | E    | 20         | 20.52                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.478          | 23.7   | 23.7           |  |
| 680.5               | 136100 | NR n71           | E    | 20         | 20.52                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.432          | 24.2   |                |  |
| 680.5               | 136100 | NR n71           | E    | 20         | 20.52                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.419          | 24.3   |                |  |
| 680.5               | 136100 | NR n71           | E    | 20         | 20.52                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 1         | 1:1        | 0.367          | 24.9   |                |  |
| 3 750               | 650000 | NR n77           | F    | 100        | 13.35                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.343          | 18.0   | 15.0           |  |
| 3 750               | 650000 | NR n77           | F    | 100        | 13.35                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.320          | 18.3   |                |  |
| 3 750               | 650000 | NR n77           | F    | 100        | 13.35                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.668          | 15.1   |                |  |
| 3 750               | 650000 | NR n77           | F    | 100        | 13.35                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.687          | 15.0   |                |  |
| 3 500.01            | 633334 | NR n77 DoD       | F    | 100        | 13.37                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 271       | 1:1        | 0.340          | 18.1   | 18.1           |  |
| 3930                | 662000 | NR n77 SRS 1     | I    | 100        | 11.12                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    | N/A            |  |
| 3930                | 662000 | NR n77 SRS 1     | I    | 100        | 11.12                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    |                |  |
| 3930                | 662000 | NR n77 SRS 1     | I    | 100        | 11.12                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    |                |  |
| 3930                | 662000 | NR n77 SRS 1     | I    | 100        | 11.12                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    |                |  |
| 3 500.01            | 633334 | NR n77 SRS 1 DoD | I    | 100        | 11.95                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    | N/A            |  |
| 3930                | 662000 | NR n77 SRS 2     | E    | 100        | 14.12                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.211          | 20.9   | 18.6           |  |
| 3930                | 662000 | NR n77 SRS 2     | E    | 100        | 14.12                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.237          | 20.4   |                |  |
| 3930                | 662000 | NR n77 SRS 2     | E    | 100        | 14.12                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.354          | 18.6   |                |  |
| 3930                | 662000 | NR n77 SRS 2     | E    | 100        | 14.12                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.026          | 30.0   |                |  |
| 3 500.01            | 633334 | NR n77 SRS 2 DoD | E    | 100        | 13.64                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.232          | 20.0   | 20.0           |  |
| 3930                | 662000 | NR n77 SRS 3     | C    | 100        | 10.11                          | Left Cheek    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    | N/A            |  |
| 3930                | 662000 | NR n77 SRS 3     | C    | 100        | 10.11                          | Left Tilt     | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    |                |  |
| 3930                | 662000 | NR n77 SRS 3     | C    | 100        | 10.11                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    |                |  |
| 3930                | 662000 | NR n77 SRS 3     | C    | 100        | 10.11                          | Right Tilt    | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    |                |  |
| 3 500.01            | 633334 | NR n77 SRS 3 DOD | C    | 100        | 10.95                          | Right Cheek   | DFT-s- QPSK | 0    | 1       | 137       | 1:1        | 0.000          | N/A    | N/A            |  |

Table A-4 RSI = 1 *PLimit* Calculations – WLAN Head SAR

| MEASUREMENT RESULTS |     |               |               |             |              |                                      |               |                 |               |                  |                   |        |                   |
|---------------------|-----|---------------|---------------|-------------|--------------|--------------------------------------|---------------|-----------------|---------------|------------------|-------------------|--------|-------------------|
| Frequency           |     | Mode/<br>Band | Band<br>width | Ant.<br>No. | Data<br>Rate | Frame Averaged<br>Conducted<br>Power | Test Position | Ant.<br>Config. | Duty<br>Cycle | Meas.<br>SAR(1g) | Scaling<br>Factor | Plimit | Minimum<br>Plimit |
| MHz                 | Ch. |               |               |             | (Mbps)       |                                      |               |                 |               | (W/kg)           | (Duty)            | (dBm)  | (dBm)             |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Left Cheek    | WIFI1           | 99            | 0.115            | 1.057             | 26.4   | 21.1              |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Left Tilt     | WIFI1           | 99            | 0.083            | 1.057             | 27.8   |                   |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Right Cheek   | WIFI1           | 99            | 0.391            | 1.057             | 21.1   |                   |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Right Tilt    | WIFI1           | 99            | 0.278            | 1.057             | 22.6   |                   |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Left Cheek    | WIFI2           | 99            | 0.303            | 1.057             | 22.0   | 22.0              |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Left Tilt     | WIFI2           | 99            | 0.043            | 1.057             | 30.5   |                   |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Right Cheek   | WIFI2           | 99            | 0.179            | 1.057             | 24.3   |                   |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Right Tilt    | WIFI2           | 99            | 0.023            | 1.057             | 33.2   |                   |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Left Cheek    | MIMO            | 99            | 0.346            | 1.057             | 21.4   | 20.1              |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Left Tilt     | MIMO            | 99            | 0.154            | 1.057             | 24.9   |                   |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Right Cheek   | MIMO            | 99            | 0.470            | 1.057             | 20.1   |                   |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Right Tilt    | MIMO            | 99            | 0.374            | 1.057             | 21.1   |                   |
| 5 290               | 58  | 802.11ac      | 80            | H           | MCS0         | 14.27                                | Left Cheek    | WIFI1           | 85.9          | 0.144            | 1.164             | 21.7   | 15.6              |
| 5 290               | 58  | 802.11ac      | 80            | H           | MCS0         | 14.27                                | Left Tilt     | WIFI1           | 85.9          | 0.121            | 1.164             | 22.5   |                   |
| 5 290               | 58  | 802.11ac      | 80            | H           | MCS0         | 14.27                                | Right Cheek   | WIFI1           | 85.9          | 0.587            | 1.164             | 15.6   |                   |
| 5 290               | 58  | 802.11ac      | 80            | H           | MCS0         | 14.27                                | Right Tilt    | WIFI1           | 85.9          | 0.332            | 1.164             | 18.1   |                   |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Left Cheek    | WIFI2           | 85.9          | 0.161            | 1.164             | 21.7   | 21.7              |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Left Tilt     | WIFI2           | 85.9          | 0.152            | 1.164             | 21.9   |                   |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Right Cheek   | WIFI2           | 85.9          | 0.036            | 1.164             | 28.2   |                   |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Right Tilt    | WIFI2           | 85.9          | 0.064            | 1.164             | 25.7   |                   |
| 5 290               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Left Cheek    | MIMO            | 85.9          | 0.136            | 1.164             | 22.0   | 17.6              |
| 5 290               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Left Tilt     | MIMO            | 85.9          | 0.226            | 1.164             | 19.8   |                   |
| 5 290               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Right Cheek   | MIMO            | 85.9          | 0.374            | 1.164             | 17.6   |                   |
| 5 290               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Right Tilt    | MIMO            | 85.9          | 0.227            | 1.164             | 19.7   |                   |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Left Cheek    | WIFI1           | 90.7          | 0.000            | 1.103             | N/A    | 18.8              |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Left Tilt     | WIFI1           | 90.7          | 0.005            | 1.103             | 30.1   |                   |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Right Cheek   | WIFI1           | 90.7          | 0.068            | 1.103             | 18.8   |                   |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Right Tilt    | WIFI1           | 90.7          | 0.004            | 1.103             | 31.1   |                   |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Left Cheek    | WIFI2           | 90.7          | 0.000            | 1.103             | N/A    | 30.7              |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Left Tilt     | WIFI2           | 90.7          | 0.005            | 1.103             | 30.7   |                   |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Right Cheek   | WIFI2           | 90.7          | 0.000            | 1.103             | N/A    |                   |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Right Tilt    | WIFI2           | 90.7          | 0.000            | 1.103             | N/A    |                   |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Left Cheek    | MIMO            | 90.7          | 0.000            | 1.103             | N/A    | 18.8              |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Left Tilt     | MIMO            | 90.7          | 0.010            | 1.103             | 27.1   |                   |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Right Cheek   | MIMO            | 90.7          | 0.068            | 1.103             | 18.8   |                   |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Right Tilt    | MIMO            | 90.7          | 0.004            | 1.103             | 31.1   |                   |

| MEASUREMENT RESULTS |     |            |          |                       |               |              |               |                |        |                |
|---------------------|-----|------------|----------|-----------------------|---------------|--------------|---------------|----------------|--------|----------------|
| Frequency           |     | Mode/ Band | Ant. No. | Frame Averaged        | Test Position | Ant. Config. | Meas. SAR(1g) | Scaling Factor | Plimit | Minimum Plimit |
| MHz                 | Ch. |            |          | Conducted Power (dBm) |               |              | (W/kg)        | (Duty)         | (dBm)  | (dBm)          |
| 2 402               | 0   | 2DH-5      | H        | 12.69                 | Left Cheek    | Ant 1        | 0.059         | 1.016          | 24.0   | 18.0           |
| 2 402               | 0   | 2DH-5      | H        | 12.69                 | Left Tilt     | Ant 1        | 0.048         | 1.016          | 24.9   |                |
| 2 402               | 0   | 2DH-5      | H        | 12.69                 | Right Cheek   | Ant 1        | 0.235         | 1.016          | 18.0   |                |
| 2 402               | 0   | 2DH-5      | H        | 12.69                 | Right Tilt    | Ant 1        | 0.148         | 1.016          | 20.0   |                |
| 2 441               | 39  | DH-5       | J        | 13.82                 | Left Cheek    | Ant 2        | 0.077         | 1.016          | 24.0   | 24.0           |
| 2 441               | 39  | DH-5       | J        | 13.82                 | Left Tilt     | Ant 2        | 0.009         | 1.016          | 33.3   |                |
| 2 441               | 39  | DH-5       | J        | 13.82                 | Right Cheek   | Ant 2        | 0.056         | 1.016          | 25.4   |                |
| 2 441               | 39  | DH-5       | J        | 13.82                 | Right Tilt    | Ant 2        | 0.005         | 1.016          | 35.9   |                |
| 2 402               | 37  | LE 1M      | H        | 13.06                 | Left Cheek    | Ant 1        | 0.031         | 1.033          | 27.2   | 20.5           |
| 2 402               | 37  | LE 1M      | H        | 13.06                 | Left Tilt     | Ant 1        | 0.024         | 1.033          | 28.3   |                |
| 2 402               | 37  | LE 1M      | H        | 13.06                 | Right Cheek   | Ant 1        | 0.145         | 1.033          | 20.5   |                |
| 2 402               | 37  | LE 1M      | H        | 13.06                 | Right Tilt    | Ant 1        | 0.088         | 1.033          | 22.6   |                |
| 2 440               | 17  | LE 1M      | J        | 14.52                 | Left Cheek    | Ant 2        | 0.036         | 1.033          | 28.0   | 21.0           |
| 2 440               | 17  | LE 1M      | J        | 14.52                 | Left Tilt     | Ant 2        | 0.042         | 1.033          | 27.3   |                |
| 2 440               | 17  | LE 1M      | J        | 14.52                 | Right Cheek   | Ant 2        | 0.178         | 1.033          | 21.0   |                |
| 2 440               | 17  | LE 1M      | J        | 14.52                 | Right Tilt    | Ant 2        | 0.025         | 1.033          | 29.6   |                |

**Table A-5 RSI = 0  $P_{Limit}$  Calculations – 2G/3G Body-Worn SAR**

For some bands/modes, a lower  $P_{Limit}$  was selected as a more conservative evaluation.

| MEASUREMENT RESULTS |      |             |         |          |                                |               |              |            |               |        |                |
|---------------------|------|-------------|---------|----------|--------------------------------|---------------|--------------|------------|---------------|--------|----------------|
| Frequency           |      | Mode/ Band  |         | Ant. No. | Frame Averaged Conducted Power | Test Position | Spacing (mm) | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.  |             |         |          | (dBm)                          |               |              |            | (W/kg)        | (dBm)  | (dBm)          |
| 836.6               | 190  | GSM 850     | GPRS4Tx | A        | 20.33                          | Rear          | 5            | 1:2.07     | 0.441         | 23.9   | 23.9           |
| 836.6               | 190  | GSM 850     | GPRS4Tx | A        | 20.33                          | Front         | 5            | 1:2.07     | 0.259         | 26.2   |                |
| 836.6               | 190  | GSM 850     | GPRS4Tx | E        | 18.16                          | Rear          | 5            | 1:2.07     | 0.189         | 25.4   | 25.4           |
| 836.6               | 190  | GSM 850     | GPRS4Tx | E        | 18.16                          | Front         | 5            | 1:2.07     | 0.094         | 28.4   |                |
| 1 880               | 661  | GSM 1900    | GPRS4Tx | A        | 16.34                          | Rear          | 5            | 1:2.07     | 0.515         | 19.2   | 18.9           |
| 1 880               | 661  | GSM 1900    | GPRS4Tx | A        | 16.34                          | Front         | 5            | 1:2.07     | 0.553         | 18.9   |                |
| 836.6               | 4183 | UMTS Band 5 | RMC     | A        | 22.68                          | Rear          | 5            | 1:1        | 0.751         | 23.9   | 23.9           |
| 836.6               | 4183 | UMTS Band 5 | RMC     | A        | 22.68                          | Front         | 5            | 1:1        | 0.545         | 25.3   |                |
| 836.6               | 4183 | UMTS Band 5 | RMC     | E        | 18.33                          | Rear          | 5            | 1:1        | 0.287         | 23.8   | 23.8           |
| 836.6               | 4183 | UMTS Band 5 | RMC     | E        | 18.33                          | Front         | 5            | 1:1        | 0.144         | 26.7   |                |
| 1 732.4             | 1412 | UMTS Band 4 | RMC     | A        | 14.37                          | Rear          | 5            | 1:1        | 0.480         | 17.6   | 17.3           |
| 1 732.4             | 1412 | UMTS Band 4 | RMC     | A        | 14.37                          | Front         | 5            | 1:1        | 0.509         | 17.3   |                |
| 1 880               | 9400 | UMTS Band 2 | RMC     | A        | 14.75                          | Rear          | 5            | 1:1        | 0.509         | 17.7   | 17.7           |
| 1 880               | 9400 | UMTS Band 2 | RMC     | A        | 14.75                          | Front         | 5            | 1:1        | 0.361         | 19.2   |                |

**Table A-6 RSI = 0  $P_{Limit}$  Calculations – 4G Body-Worn SAR**

For some bands/modes, a lower  $P_{Limit}$  was selected as a more conservative evaluation.

| MEASUREMENT RESULTS |        |                 |          |            |                                |               |              |      |         |           |            |                |        |                |
|---------------------|--------|-----------------|----------|------------|--------------------------------|---------------|--------------|------|---------|-----------|------------|----------------|--------|----------------|
| Frequency           |        | Mode            | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | Spacing (mm) | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR (1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |                 |          | (MHz)      | (dBm)                          |               |              | (dB) |         |           |            | (W/kg)         | (dBm)  | (dBm)          |
| 1 882.5             | 26365  | LTE Band 25     | A        | 20         | 15.18                          | Rear          | 5            | 0    | 1       | 49        | 1:1        | 0.544          | 17.8   | 17.8           |
| 1 882.5             | 26365  | LTE Band 25     | A        | 20         | 15.18                          | Front         | 5            | 0    | 1       | 49        | 1:1        | 0.534          | 17.9   |                |
| 1 882.5             | 26365  | LTE Band 25     | F        | 20         | 16.75                          | Rear          | 5            | 0    | 1       | 49        | 1:1        | 0.232          | 23.1   | 21.7           |
| 1 882.5             | 26365  | LTE Band 25     | F        | 20         | 16.75                          | Front         | 5            | 0    | 1       | 49        | 1:1        | 0.321          | 21.7   |                |
| 1720                | 132072 | LTE Band 66     | A        | 20         | 15.15                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.446          | 18.7   | 18.7           |
| 1720                | 132072 | LTE Band 66     | A        | 20         | 15.15                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.424          | 18.9   |                |
| 1770                | 132572 | LTE Band 66     | F        | 20         | 17.75                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.240          | 23.9   | 22.9           |
| 1770                | 132572 | LTE Band 66     | F        | 20         | 17.75                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.302          | 22.9   |                |
| 2 510               | 20850  | LTE Band 7      | B        | 20         | 17.36                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.736          | 18.7   | 18.7           |
| 2 510               | 20850  | LTE Band 7      | B        | 20         | 17.36                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.507          | 20.3   |                |
| 2 560               | 21350  | LTE Band 7      | F        | 20         | 17.70                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.325          | 22.6   | 22.6           |
| 2 560               | 21350  | LTE Band 7      | F        | 20         | 17.70                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.199          | 24.7   |                |
| 707.5               | 23095  | LTE Band 12     | A        | 10         | 22.01                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.698          | 23.6   | 23.6           |
| 707.5               | 23095  | LTE Band 12     | A        | 10         | 22.01                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.430          | 25.7   |                |
| 707.5               | 23095  | LTE Band 12     | E        | 10         | 20.94                          | Rear          | 5            | 0    | 1       | 24        | 1:1        | 0.708          | 22.4   | 22.4           |
| 707.5               | 23095  | LTE Band 12     | E        | 10         | 20.94                          | Front         | 5            | 0    | 1       | 24        | 1:1        | 0.544          | 23.6   |                |
| 782                 | 23230  | LTE Band 13     | A        | 10         | 21.71                          | Rear          | 5            | 0    | 1       | 24        | 1:1        | 0.570          | 24.2   | 24.2           |
| 782                 | 23230  | LTE Band 13     | A        | 10         | 21.71                          | Front         | 5            | 0    | 1       | 24        | 1:1        | 0.432          | 25.4   |                |
| 782                 | 23230  | LTE Band 13     | E        | 10         | 20.38                          | Rear          | 5            | 0    | 1       | 49        | 1:1        | 0.481          | 23.6   | 23.6           |
| 782                 | 23230  | LTE Band 13     | E        | 10         | 20.38                          | Front         | 5            | 0    | 1       | 49        | 1:1        | 0.402          | 24.3   |                |
| 793                 | 23330  | LTE Band 14     | A        | 10         | 22.00                          | Rear          | 5            | 0    | 1       | 24        | 1:1        | 0.715          | 23.5   | 23.5           |
| 793                 | 23330  | LTE Band 14     | A        | 10         | 22.00                          | Front         | 5            | 0    | 1       | 24        | 1:1        | 0.441          | 25.6   |                |
| 793                 | 23330  | LTE Band 14     | E        | 10         | 20.83                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.548          | 23.4   | 23.4           |
| 793                 | 23330  | LTE Band 14     | E        | 10         | 20.83                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.471          | 24.1   |                |
| 831.5               | 26865  | LTE Band 26     | A        | 15         | 22.18                          | Rear          | 5            | 0    | 1       | 74        | 1:1        | 0.840          | 22.9   | 22.9           |
| 831.5               | 26865  | LTE Band 26     | A        | 15         | 22.18                          | Front         | 5            | 0    | 1       | 74        | 1:1        | 0.489          | 25.3   |                |
| 831.5               | 26865  | LTE Band 26     | E        | 15         | 19.88                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.349          | 24.5   | 24.5           |
| 831.5               | 26865  | LTE Band 26     | E        | 15         | 19.88                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.240          | 26.1   |                |
| 2 310               | 27710  | LTE Band 30     | A        | 10         | 17.01                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.238          | 23.2   | 22.4           |
| 2 310               | 27710  | LTE Band 30     | A        | 10         | 17.01                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.292          | 22.4   |                |
| 2 310               | 27710  | LTE Band 30     | F        | 10         | 18.58                          | Rear          | 5            | 0    | 1       | 49        | 1:1        | 0.291          | 23.9   | 23.9           |
| 2 310               | 27710  | LTE Band 30     | F        | 10         | 18.58                          | Front         | 5            | 0    | 1       | 49        | 1:1        | 0.178          | 26.1   |                |
| 2 593               | 40620  | LTE Band 41 PC3 | B        | 20         | 18.23                          | Rear          | 5            | 0    | 1       | 0         | 1:1.58     | 0.678          | 19.9   | 19.9           |
| 2 593               | 40620  | LTE Band 41 PC3 | B        | 20         | 18.23                          | Front         | 5            | 0    | 1       | 0         | 1:1.58     | 0.360          | 22.7   |                |
| 2 680               | 41490  | LTE Band 41 PC3 | F        | 20         | 17.59                          | Rear          | 5            | 0    | 1       | 0         | 1:1.58     | 0.459          | 21.0   | 21.0           |
| 2 680               | 41490  | LTE Band 41 PC3 | F        | 20         | 17.59                          | Front         | 5            | 0    | 1       | 0         | 1:1.58     | 0.447          | 21.1   |                |
| 3560                | 55340  | LTE Band 48     | F        | 20         | 14.25                          | Rear          | 5            | 0    | 1       | 99        | 1:1.58     | 0.454          | 17.7   | 17.7           |
| 3560                | 55340  | LTE Band 48     | F        | 20         | 14.25                          | Front         | 5            | 0    | 1       | 99        | 1:1.58     | 0.441          | 17.8   |                |

| MEASUREMENT RESULTS |        |             |          |            |                                |               |              |      |         |           |            |                |        |                |
|---------------------|--------|-------------|----------|------------|--------------------------------|---------------|--------------|------|---------|-----------|------------|----------------|--------|----------------|
| Frequency           |        | Mode        | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | Spacing (mm) | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR (1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |             |          | (MHz)      | (dBm)                          |               |              | (dB) |         |           |            | (W/kg)         |        |                |
| 680.5               | 133297 | LTE Band 71 | A        | 20         | 24.90                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.679          | 26.6   | 26.6           |
| 680.5               | 133297 | LTE Band 71 | A        | 20         | 24.90                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.364          | 29.3   |                |
| 680.5               | 133297 | LTE Band 71 | E        | 20         | 20.71                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.373          | 25.0   | 25.0           |
| 680.5               | 133297 | LTE Band 71 | E        | 20         | 20.71                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.255          | 26.6   |                |

**Table A-7 RSI = 0 *PLimit* Calculations – NR Body-Worn SAR**

For some bands/modes, a lower *PLimit* was selected as a more conservative evaluation.

NR TDD Bands: In the case of the NR TDD bands, the *PLimit* were calculated as the Frame average power to which the duty factor was applied to the burst power.0

SAR measurements of all NR TDD bands were measured in FTM Mode.

| MEASUREMENT RESULTS |        |             |          |            |                                |               |             |      |              |         |           |            |               |        |                |
|---------------------|--------|-------------|----------|------------|--------------------------------|---------------|-------------|------|--------------|---------|-----------|------------|---------------|--------|----------------|
| Frequency           |        | Mode        | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode   | MPR  | Spacing (mm) | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |             |          | (MHz)      | (dBm)                          |               |             | (dB) |              |         |           |            | (W/kg)        | (dBm)  | (dBm)          |
| 1 882.5             | 376500 | NR n25      | A        | 40         | 15.30                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.488         | 18.4   | 18.4           |
| 1 882.5             | 376500 | NR n25      | A        | 40         | 15.30                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.402         | 19.3   |                |
| 1 882.5             | 376500 | NR n25      | F        | 40         | 17.89                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.438         | 21.5   | 21.5           |
| 1 882.5             | 376500 | NR n25      | F        | 40         | 17.89                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.320         | 22.8   |                |
| 2 535               | 507000 | NR n7       | B        | 40         | 18.27                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.763         | 19.4   | 19.4           |
| 2 535               | 507000 | NR n7       | B        | 40         | 18.27                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.322         | 23.2   |                |
| 2 535               | 507000 | NR n7       | F        | 40         | 16.48                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.487         | 19.6   | 19.6           |
| 2 535               | 507000 | NR n7       | F        | 40         | 16.48                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.352         | 21.0   |                |
| 707.5               | 141500 | NR n12      | A        | 15         | 21.25                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.686         | 22.9   | 22.9           |
| 707.5               | 141500 | NR n12      | A        | 15         | 21.25                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.415         | 25.1   |                |
| 707.5               | 141500 | NR n12      | E        | 15         | 19.97                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.594         | 22.2   | 22.2           |
| 707.5               | 141500 | NR n12      | E        | 15         | 19.97                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.410         | 23.8   |                |
| 793                 | 158600 | NR n14      | A        | 10         | 21.36                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.610         | 23.5   | 23.5           |
| 793                 | 158600 | NR n14      | A        | 10         | 21.36                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.362         | 25.8   |                |
| 793                 | 158600 | NR n14      | E        | 10         | 20.91                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.479         | 24.1   | 24.1           |
| 793                 | 158600 | NR n14      | E        | 10         | 20.91                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.454         | 24.3   |                |
| 831.5               | 166300 | NR n26      | A        | 20         | 22.23                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.760         | 23.4   | 23.4           |
| 831.5               | 166300 | NR n26      | A        | 20         | 22.23                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.438         | 25.8   |                |
| 831.5               | 166300 | NR n26      | E        | 20         | 20.02                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.381         | 24.2   | 23.9           |
| 831.5               | 166300 | NR n26      | E        | 20         | 20.02                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.412         | 23.9   |                |
| 2 310               | 462000 | NR n30      | A        | 10         | 16.84                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.421         | 20.6   | 20.6           |
| 2 310               | 462000 | NR n30      | A        | 10         | 16.84                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.254         | 22.8   |                |
| 2 310               | 462000 | NR n30      | F        | 10         | 17.90                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.481         | 21.1   | 21.1           |
| 2 310               | 462000 | NR n30      | F        | 10         | 17.90                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.324         | 22.8   |                |
| 2 592.99            | 518598 | NR n41      | B        | 100        | 18.65                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.447         | 22.1   | 22.1           |
| 2 592.99            | 518598 | NR n41      | B        | 100        | 18.65                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.332         | 23.4   |                |
| 2 592.99            | 518598 | NR n41      | F        | 100        | 17.36                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.231         | 23.7   | 23.6           |
| 2 592.99            | 518598 | NR n41      | F        | 100        | 17.36                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.240         | 23.6   |                |
| 2 592.99            | 518598 | NR n41 SRS1 | F        | 100        | 13.79                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.233         | 20.1   | 20.1           |
| 2 592.99            | 518598 | NR n41 SRS1 | F        | 100        | 13.79                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.177         | 21.3   |                |
| 2 592.99            | 518598 | NR n41 SRS2 | D        | 100        | 13.10                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.749         | 14.4   | 14.4           |
| 2 592.99            | 518598 | NR n41 SRS2 | D        | 100        | 13.10                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.015         | 31.3   |                |

### MEASUREMENT RESULTS

| Frequency |        | Mode             | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode   | MPR  | Spacing (mm) | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
|-----------|--------|------------------|----------|------------|--------------------------------|---------------|-------------|------|--------------|---------|-----------|------------|---------------|--------|----------------|
| MHz       | Ch.    |                  |          |            |                                |               |             |      |              |         |           |            |               |        |                |
|           |        |                  |          | (MHz)      | (dBm)                          |               |             | (dB) |              |         |           |            | (W/kg)        | (dBm)  | (dBm)          |
| 2 592.99  | 518598 | NR n41 SRS3      | E        | 100        | 17.42                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.144         | 25.8   | 25.8           |
| 2 592.99  | 518598 | NR n41 SRS3      | E        | 100        | 17.42                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.111         | 27.0   |                |
| 2 592.99  | 518598 | NR n41 SRS1      | B        | 100        | 17.67                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.274         | 23.3   | 23.3           |
| 2 592.99  | 518598 | NR n41 SRS1      | B        | 100        | 17.67                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.095         | 27.9   |                |
| 3 624.99  | 641666 | NR n48           | F        | 40         | 16.19                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.277         | 21.8   | 21.6           |
| 3 624.99  | 641666 | NR n48           | F        | 40         | 16.19                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.288         | 21.6   |                |
| 3 680.01  | 645334 | NR n48 SRS 1     | C        | 40         | 15.20                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.272         | 20.9   | 20.9           |
| 3 680.01  | 645334 | NR n48 SRS 1     | C        | 40         | 15.20                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.106         | 24.9   |                |
| 3 624.99  | 641666 | NR n48 SRS 2     | I        | 40         | 15.93                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.228         | 22.4   | 22.4           |
| 3 624.99  | 641666 | NR n48 SRS 2     | I        | 40         | 15.93                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.189         | 23.2   |                |
| 3 680.01  | 645334 | NR n48 SRS 3     | D        | 40         | 16.68                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.615         | 18.8   | 18.8           |
| 3 680.01  | 645334 | NR n48 SRS 3     | D        | 40         | 16.68                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.001         | 46.7   |                |
| 1 745     | 349000 | NR n66           | A        | 40         | 15.06                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.235         | 21.3   | 19.2           |
| 1 745     | 349000 | NR n66           | A        | 40         | 15.06                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.386         | 19.2   |                |
| 1 745     | 349000 | NR n66           | F        | 40         | 17.44                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.429         | 21.1   | 22.5           |
| 1 745     | 349000 | NR n66           | F        | 40         | 17.44                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.312         | 22.5   |                |
| 1 702.5   | 340500 | NR n70           | A        | 15         | 15.87                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.766         | 17.0   | 17.0           |
| 1 702.5   | 340500 | NR n70           | A        | 15         | 15.87                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.591         | 18.2   |                |
| 1 702.5   | 340500 | NR n70           | F        | 15         | 17.99                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.353         | 22.5   | 22.5           |
| 1 702.5   | 340500 | NR n70           | F        | 15         | 17.99                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.281         | 23.5   |                |
| 680.5     | 136100 | NR n71           | A        | 20         | 24.52                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.667         | 26.3   | 26.3           |
| 680.5     | 136100 | NR n71           | A        | 20         | 24.52                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.363         | 28.9   |                |
| 680.5     | 136100 | NR n71           | E        | 20         | 20.52                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.413         | 24.4   | 24.1           |
| 680.5     | 136100 | NR n71           | E        | 20         | 20.52                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.440         | 24.1   |                |
| 3 750     | 650000 | NR n77           | F        | 100        | 14.10                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.332         | 18.9   | 18.6           |
| 3 750     | 650000 | NR n77           | F        | 100        | 14.10                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.354         | 18.6   |                |
| 3 500.01  | 633334 | NR n77 DoD       | F        | 100        | 14.34                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 271       | 1:1        | 0.390         | 18.4   | 18.4           |
| 3 750     | 650000 | NR n77 SRS 1     | C        | 100        | 12.06                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.151         | 20.3   | 20.3           |
| 3 750     | 650000 | NR n77 SRS 1     | C        | 100        | 12.06                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.116         | 21.4   |                |
| 3 750     | 650000 | NR n77 SRS 2     | I        | 100        | 15.15                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.335         | 19.9   | 19.9           |
| 3 750     | 650000 | NR n77 SRS 2     | I        | 100        | 15.15                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.269         | 20.9   |                |
| 3 500.01  | 633334 | NR n77 DoD SRS 2 | I        | 100        | 14.72                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.162         | 22.6   | 22.6           |
| 3 750     | 650000 | NR n77 SRS 3     | D        | 100        | 11.31                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.339         | 16.0   | 16.0           |
| 3 750     | 650000 | NR n77 SRS 3     | D        | 100        | 11.31                          | Front         | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.009         | 31.8   |                |
| 3 500.01  | 633334 | NR n77 DoD SRS 3 | D        | 100        | 11.96                          | Rear          | DFT-s- QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.184         | 19.3   | 19.3           |

Table A-8 RSI = 0 *PLimit* Calculations – WLAN Body-Worn SAR

| MEASUREMENT RESULTS |     |               |               |             |              |                                      |                  |                 |               |                  |                   |        |                   |
|---------------------|-----|---------------|---------------|-------------|--------------|--------------------------------------|------------------|-----------------|---------------|------------------|-------------------|--------|-------------------|
| Frequency           |     | Mode/<br>Band | Band<br>width | Ant.<br>No. | Data<br>Rate | Frame Averaged<br>Conducted<br>Power | Test<br>Position | Ant.<br>Config. | Duty<br>Cycle | Meas.<br>SAR(1g) | Scaling<br>Factor | Plimit | Minimum<br>Plimit |
| MHz                 | Ch. |               |               |             |              |                                      |                  |                 |               |                  |                   |        |                   |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Rear             | WIFI1           | 99            | 0.309            | 1.010             | 22.1   | 22.1              |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Front            | WIFI1           | 99            | 0.283            | 1.010             | 22.5   |                   |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Rear             | WIFI2           | 99            | 0.117            | 1.010             | 26.1   | 26.1              |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Front            | WIFI2           | 99            | 0.112            | 1.010             | 26.3   |                   |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Rear             | MIMO            | 99            | 0.344            | 1.010             | 21.4   | 21.4              |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Front            | MIMO            | 99            | 0.249            | 1.010             | 22.8   |                   |
| 5 855               | 171 | 802.11ac      | 80            | H           | MCS0         | 13.55                                | Rear             | WIFI1           | 85.9          | 0.273            | 1.164             | 18.2   | 18.2              |
| 5 855               | 171 | 802.11ac      | 80            | H           | MCS0         | 13.55                                | Front            | WIFI1           | 85.9          | 0.119            | 1.164             | 21.8   |                   |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Rear             | WIFI2           | 85.9          | 0.280            | 1.164             | 19.3   | 19.3              |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Front            | WIFI2           | 85.9          | 0.041            | 1.164             | 27.6   |                   |
| 5 290               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Rear             | MIMO            | 85.9          | 0.344            | 1.164             | 17.9   | 17.9              |
| 5 290               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Front            | MIMO            | 85.9          | 0.127            | 1.164             | 22.3   |                   |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Rear             | WIFI1           | 90.7          | 0.075            | 1.103             | 18.4   | 18.4              |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Front            | WIFI1           | 90.7          | 0.029            | 1.103             | 22.5   |                   |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Rear             | WIFI2           | 90.7          | 0.000            | 1.103             | N/A    | N/A               |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Front            | WIFI2           | 90.7          | 0.000            | 1.103             | N/A    |                   |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Rear             | MIMO            | 90.7          | 0.075            | 1.103             | 18.4   | 18.4              |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Front            | MIMO            | 90.7          | 0.029            | 1.103             | 22.5   |                   |

| MEASUREMENT RESULTS |     |            |             |                                   |               |                 |                  |                   |        |                   |
|---------------------|-----|------------|-------------|-----------------------------------|---------------|-----------------|------------------|-------------------|--------|-------------------|
| Frequency           |     | Mode/ Band | Ant.<br>No. | Frame Averaged<br>Conducted Power | Test Position | Ant.<br>Config. | Meas.<br>SAR(1g) | Scaling<br>Factor | Plimit | Minimum<br>Plimit |
| MHz                 | Ch. |            |             |                                   |               |                 |                  |                   |        |                   |
| 2 402               | 0   | 2DH5       | H           | 12.69                             | Rear          | Ant 1           | 0.171            | 1.016             | 19.4   | 19.4              |
| 2 402               | 0   | 2DH5       | H           | 12.69                             | Front         | Ant 1           | 0.125            | 1.016             | 20.8   |                   |
| 2 441               | 39  | DH5        | J           | 13.82                             | Rear          | Ant 2           | 0.046            | 1.016             | 26.2   | 26.2              |
| 2 441               | 39  | DH5        | J           | 13.82                             | Front         | Ant 2           | 0.013            | 1.016             | 31.7   |                   |
| 2 402               | 0   | 2DH5       | H+J         | 16.14                             | Rear          | DUAL            | 0.066            | 1.016             | 27.0   | 27.0              |
| 2 402               | 0   | 2DH5       | H+J         | 16.14                             | Front         | DUAL            | 0.047            | 1.016             | 28.4   |                   |
| 2 402               | 37  | LE 1M      | H           | 13.06                             | Rear          | Ant 1           | 0.109            | 1.033             | 21.7   | 21.7              |
| 2 402               | 37  | LE 1M      | H           | 13.06                             | Front         | Ant 1           | 0.077            | 1.033             | 23.2   |                   |
| 2 440               | 17  | LE 1M      | J           | 14.52                             | Rear          | Ant 2           | 0.035            | 1.033             | 28.1   | 25.4              |
| 2 440               | 17  | LE 1M      | J           | 14.52                             | Front         | Ant 2           | 0.065            | 1.033             | 25.4   |                   |

**Table A-9 RSI = 0  $P_{Limit}$  Calculations – 2G/3G Hotspot SAR**

For some bands/modes, a lower  $P_{Limit}$  was selected as a more conservative evaluation.

| MEASUREMENT RESULTS |     |            |         |          |                                |               |              |            |               |        |                |
|---------------------|-----|------------|---------|----------|--------------------------------|---------------|--------------|------------|---------------|--------|----------------|
| Frequency           |     | Mode/ Band |         | Ant. No. | Frame Averaged Conducted Power | Test Position | Spacing (mm) | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
|                     |     |            |         |          | (dBm)                          |               |              |            | (W/kg)        | (dBm)  | (dBm)          |
| MHz                 | Ch. |            |         |          |                                |               |              |            |               |        |                |
| 836.6               | 190 | GSM 850    | GPRS4Tx | A        | 20.33                          | Rear          | 5            | 1:2.07     | 0.441         | 23.9   | 23.9           |
| 836.6               | 190 | GSM 850    | GPRS4Tx | A        | 20.33                          | Front         | 5            | 1:2.07     | 0.259         | 26.2   |                |
| 836.6               | 190 | GSM 850    | GPRS4Tx | A        | 20.33                          | Left          | 5            | 1:2.07     | 0.038         | 34.5   |                |
| 836.6               | 190 | GSM 850    | GPRS4Tx | A        | 20.33                          | Right         | 5            | 1:2.07     | 0.083         | 31.1   |                |
| 836.6               | 190 | GSM 850    | GPRS4Tx | A        | 20.33                          | Bottom        | 5            | 1:2.07     | 0.264         | 26.1   |                |
| 836.6               | 190 | GSM 850    | GPRS4Tx | E        | 18.16                          | Rear          | 5            | 1:2.07     | 0.189         | 25.4   | 24.8           |
| 836.6               | 190 | GSM 850    | GPRS4Tx | E        | 18.16                          | Front         | 5            | 1:2.07     | 0.094         | 28.4   |                |
| 836.6               | 190 | GSM 850    | GPRS4Tx | E        | 18.16                          | Right         | 5            | 1:2.07     | 0.148         | 26.5   |                |
| 836.6               | 190 | GSM 850    | GPRS4Tx | E        | 18.16                          | Top           | 5            | 1:2.07     | 0.219         | 24.8   |                |
| 1 880               | 661 | GSM 1900   | GPRS4Tx | A        | 16.34                          | Rear          | 5            | 1:2.07     | 0.515         | 19.2   | 17.6           |
| 1 880               | 661 | GSM 1900   | GPRS4Tx | A        | 16.34                          | Front         | 5            | 1:2.07     | 0.553         | 18.9   |                |
| 1 880               | 661 | GSM 1900   | GPRS4Tx | A        | 16.34                          | Left          | 5            | 1:2.07     | 0.065         | 28.2   |                |
| 1 880               | 661 | GSM 1900   | GPRS4Tx | A        | 16.34                          | Right         | 5            | 1:2.07     | 0.070         | 27.9   |                |
| 1 880               | 661 | GSM 1900   | GPRS4Tx | A        | 16.34                          | Bottom        | 5            | 1:2.07     | 0.744         | 17.6   |                |

| MEASUREMENT RESULTS |      |             |     |          |                                |               |              |            |               |        |                |
|---------------------|------|-------------|-----|----------|--------------------------------|---------------|--------------|------------|---------------|--------|----------------|
| Frequency           |      | Mode/ Band  |     | Ant. No. | Frame Averaged Conducted Power | Test Position | Spacing (mm) | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
|                     |      |             |     |          | (dBm)                          |               |              |            | (W/kg)        | (dBm)  | (dBm)          |
| 836.6               | 4183 | UMTS Band 5 | RMC | A        | 22.68                          | Rear          | 5            | 1:1        | 0.751         | 23.9   | 23.9           |
| 836.6               | 4183 | UMTS Band 5 | RMC | A        | 22.68                          | Front         | 5            | 1:1        | 0.545         | 25.3   |                |
| 836.6               | 4183 | UMTS Band 5 | RMC | A        | 22.68                          | Left          | 5            | 1:1        | 0.122         | 31.8   |                |
| 836.6               | 4183 | UMTS Band 5 | RMC | A        | 22.68                          | Right         | 5            | 1:1        | 0.166         | 30.5   |                |
| 836.6               | 4183 | UMTS Band 5 | RMC | A        | 22.68                          | Bottom        | 5            | 1:1        | 0.420         | 26.4   |                |
| 836.6               | 4183 | UMTS Band 5 | RMC | E        | 18.33                          | Rear          | 5            | 1:1        | 0.287         | 23.8   | 23.8           |
| 836.6               | 4183 | UMTS Band 5 | RMC | E        | 18.33                          | Front         | 5            | 1:1        | 0.144         | 26.7   |                |
| 836.6               | 4183 | UMTS Band 5 | RMC | E        | 18.33                          | Right         | 5            | 1:1        | 0.172         | 26.0   |                |
| 836.6               | 4183 | UMTS Band 5 | RMC | E        | 18.33                          | Top           | 5            | 1:1        | 0.276         | 23.9   |                |
| 1732.4              | 1412 | UMTS Band 4 | RMC | A        | 14.37                          | Rear          | 5            | 1:1        | 0.438         | 18.0   | 16.1           |
| 1732.4              | 1412 | UMTS Band 4 | RMC | A        | 14.37                          | Front         | 5            | 1:1        | 0.509         | 17.3   |                |
| 1732.4              | 1412 | UMTS Band 4 | RMC | A        | 14.37                          | Left          | 5            | 1:1        | 0.074         | 25.7   |                |
| 1732.4              | 1412 | UMTS Band 4 | RMC | A        | 14.37                          | Right         | 5            | 1:1        | 0.050         | 27.4   |                |
| 1732.4              | 1412 | UMTS Band 4 | RMC | A        | 14.37                          | Bottom        | 5            | 1:1        | 0.674         | 16.1   |                |
| 1 880               | 9400 | UMTS Band 2 | RMC | A        | 14.75                          | Rear          | 5            | 1:1        | 0.509         | 17.7   | 15.6           |
| 1 880               | 9400 | UMTS Band 2 | RMC | A        | 14.75                          | Front         | 5            | 1:1        | 0.361         | 19.2   |                |
| 1 880               | 9400 | UMTS Band 2 | RMC | A        | 14.75                          | Left          | 5            | 1:1        | 0.036         | 29.2   |                |
| 1 880               | 9400 | UMTS Band 2 | RMC | A        | 14.75                          | Right         | 5            | 1:1        | 0.059         | 27.0   |                |
| 1 880               | 9400 | UMTS Band 2 | RMC | A        | 14.75                          | Bottom        | 5            | 1:1        | 0.822         | 15.6   |                |

**Table A-10 RSI = 0  $P_{Limit}$  Calculations – 4G Hotspot SAR**

For some bands/modes, a lower  $P_{Limit}$  was selected as a more conservative evaluation.

### MEASUREMENT RESULTS

| Frequency |        | Mode        | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | Spacing (mm) | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR (1g) | Plimit | Minimum Plimit |
|-----------|--------|-------------|----------|------------|--------------------------------|---------------|--------------|------|---------|-----------|------------|----------------|--------|----------------|
| MHz       | Ch.    |             |          | (MHz)      | (dBm)                          |               |              | (dB) |         |           |            | (W/kg)         | (dBm)  | (dBm)          |
| 1 882.5   | 26365  | LTE Band 25 | A        | 20         | 15.18                          | Rear          | 5            | 0    | 1       | 49        | 1:1        | 0.544          | 17.8   | 15.7           |
| 1 882.5   | 26365  | LTE Band 25 | A        | 20         | 15.18                          | Front         | 5            | 0    | 1       | 49        | 1:1        | 0.534          | 17.9   |                |
| 1 882.5   | 26365  | LTE Band 25 | A        | 20         | 15.18                          | Left          | 5            | 0    | 1       | 49        | 1:1        | 0.051          | 28.1   |                |
| 1 882.5   | 26365  | LTE Band 25 | A        | 20         | 15.18                          | Right         | 5            | 0    | 1       | 49        | 1:1        | 0.064          | 27.1   |                |
| 1 882.5   | 26365  | LTE Band 25 | A        | 20         | 15.18                          | Bottom        | 5            | 0    | 1       | 49        | 1:1        | 0.893          | 15.7   |                |
| 1 882.5   | 26365  | LTE Band 25 | F        | 20         | 16.75                          | Rear          | 5            | 0    | 1       | 49        | 1:1        | 0.232          | 23.1   | 18.4           |
| 1 882.5   | 26365  | LTE Band 25 | F        | 20         | 16.75                          | Front         | 5            | 0    | 1       | 49        | 1:1        | 0.321          | 21.7   |                |
| 1 882.5   | 26365  | LTE Band 25 | F        | 20         | 16.75                          | Left          | 5            | 0    | 1       | 49        | 1:1        | 0.080          | 27.7   |                |
| 1 882.5   | 26365  | LTE Band 25 | F        | 20         | 16.75                          | Top           | 5            | 0    | 1       | 49        | 1:1        | 0.687          | 18.4   |                |
| 1 720     | 132072 | LTE Band 66 | A        | 20         | 15.15                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.446          | 18.7   | 15.9           |
| 1 720     | 132072 | LTE Band 66 | A        | 20         | 15.15                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.424          | 18.9   |                |
| 1 720     | 132072 | LTE Band 66 | A        | 20         | 15.15                          | Left          | 5            | 0    | 1       | 0         | 1:1        | 0.124          | 24.2   |                |
| 1 720     | 132072 | LTE Band 66 | A        | 20         | 15.15                          | Right         | 5            | 0    | 1       | 0         | 1:1        | 0.079          | 26.2   |                |
| 1 720     | 132072 | LTE Band 66 | A        | 20         | 15.15                          | Bottom        | 5            | 0    | 1       | 0         | 1:1        | 0.847          | 15.9   |                |
| 1 720     | 132072 | LTE Band 66 | F        | 20         | 17.75                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.240          | 23.9   | 20.1           |
| 1 720     | 132072 | LTE Band 66 | F        | 20         | 17.75                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.302          | 22.9   |                |
| 1 720     | 132072 | LTE Band 66 | F        | 20         | 17.75                          | Left          | 5            | 0    | 1       | 0         | 1:1        | 0.090          | 28.2   |                |
| 1 720     | 132072 | LTE Band 66 | F        | 20         | 17.75                          | Top           | 5            | 0    | 1       | 0         | 1:1        | 0.588          | 20.1   |                |
| 2 510     | 20850  | LTE Band 7  | B        | 20         | 17.36                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.736          | 18.7   | 18.7           |
| 2 510     | 20850  | LTE Band 7  | B        | 20         | 17.36                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.507          | 20.3   |                |
| 2 510     | 20850  | LTE Band 7  | B        | 20         | 17.36                          | Left          | 5            | 0    | 1       | 0         | 1:1        | 0.516          | 20.2   |                |
| 2 510     | 20850  | LTE Band 7  | B        | 20         | 17.36                          | Bottom        | 5            | 0    | 1       | 0         | 1:1        | 0.493          | 20.4   |                |
| 2 560     | 21350  | LTE Band 7  | F        | 20         | 17.70                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.325          | 22.6   | 22.0           |
| 2 560     | 21350  | LTE Band 7  | F        | 20         | 17.70                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.199          | 24.7   |                |
| 2 560     | 21350  | LTE Band 7  | F        | 20         | 17.70                          | Left          | 5            | 0    | 1       | 0         | 1:1        | 0.037          | 32.0   |                |
| 2 560     | 21350  | LTE Band 7  | F        | 20         | 17.70                          | Top           | 5            | 0    | 1       | 0         | 1:1        | 0.368          | 22.0   |                |
| 707.5     | 23095  | LTE Band 12 | A        | 10         | 22.01                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.698          | 23.6   | 23.6           |
| 707.5     | 23095  | LTE Band 12 | A        | 10         | 22.01                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.430          | 25.7   |                |
| 707.5     | 23095  | LTE Band 12 | A        | 10         | 22.01                          | Left          | 5            | 0    | 1       | 0         | 1:1        | 0.107          | 31.7   |                |
| 707.5     | 23095  | LTE Band 12 | A        | 10         | 22.01                          | Right         | 5            | 0    | 1       | 0         | 1:1        | 0.162          | 29.9   |                |
| 707.5     | 23095  | LTE Band 12 | A        | 10         | 22.01                          | Bottom        | 5            | 0    | 1       | 0         | 1:1        | 0.282          | 27.5   |                |
| 707.5     | 23095  | LTE Band 12 | E        | 10         | 20.94                          | Rear          | 5            | 0    | 1       | 24        | 1:1        | 0.708          | 22.4   | 22.4           |
| 707.5     | 23095  | LTE Band 12 | E        | 10         | 20.94                          | Front         | 5            | 0    | 1       | 24        | 1:1        | 0.544          | 23.6   |                |
| 707.5     | 23095  | LTE Band 12 | E        | 10         | 20.94                          | Right         | 5            | 0    | 1       | 24        | 1:1        | 0.358          | 25.4   |                |
| 707.5     | 23095  | LTE Band 12 | E        | 10         | 20.94                          | Top           | 5            | 0    | 1       | 24        | 1:1        | 0.598          | 23.2   |                |

### MEASUREMENT RESULTS

| Frequency |       | Mode        | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | Spacing (mm) | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR (1g) | Plimit | Minimum Plimit |
|-----------|-------|-------------|----------|------------|--------------------------------|---------------|--------------|------|---------|-----------|------------|----------------|--------|----------------|
| MHz       | Ch.   |             |          |            |                                |               |              |      |         |           |            |                |        |                |
|           |       |             |          | (MHz)      | (dBm)                          |               |              | (dB) |         |           |            | (W/kg)         | (dBm)  | (dBm)          |
| 782       | 23230 | LTE Band 13 | A        | 10         | 21.71                          | Rear          | 5            | 0    | 1       | 24        | 1:1        | 0.570          | 24.2   | 24.2           |
| 782       | 23230 | LTE Band 13 | A        | 10         | 21.71                          | Front         | 5            | 0    | 1       | 24        | 1:1        | 0.432          | 25.4   |                |
| 782       | 23230 | LTE Band 13 | A        | 10         | 21.71                          | Left          | 5            | 0    | 1       | 24        | 1:1        | 0.089          | 32.2   |                |
| 782       | 23230 | LTE Band 13 | A        | 10         | 21.71                          | Right         | 5            | 0    | 1       | 24        | 1:1        | 0.183          | 29.1   |                |
| 782       | 23230 | LTE Band 13 | A        | 10         | 21.71                          | Bottom        | 5            | 0    | 1       | 24        | 1:1        | 0.237          | 28.0   |                |
| 782       | 23230 | LTE Band 13 | E        | 10         | 20.38                          | Rear          | 5            | 0    | 1       | 49        | 1:1        | 0.481          | 23.6   | 23.6           |
| 782       | 23230 | LTE Band 13 | E        | 10         | 20.38                          | Front         | 5            | 0    | 1       | 49        | 1:1        | 0.402          | 24.3   |                |
| 782       | 23230 | LTE Band 13 | E        | 10         | 20.38                          | Right         | 5            | 0    | 1       | 49        | 1:1        | 0.247          | 26.5   |                |
| 782       | 23230 | LTE Band 13 | E        | 10         | 20.38                          | Top           | 5            | 0    | 1       | 49        | 1:1        | 0.462          | 23.7   |                |
| 793       | 23330 | LTE Band 14 | A        | 10         | 22.00                          | Rear          | 5            | 0    | 1       | 24        | 1:1        | 0.715          | 23.5   | 23.5           |
| 793       | 23330 | LTE Band 14 | A        | 10         | 22.00                          | Front         | 5            | 0    | 1       | 24        | 1:1        | 0.441          | 25.6   |                |
| 793       | 23330 | LTE Band 14 | A        | 10         | 22.00                          | Left          | 5            | 0    | 1       | 24        | 1:1        | 0.123          | 31.1   |                |
| 793       | 23330 | LTE Band 14 | A        | 10         | 22.00                          | Right         | 5            | 0    | 1       | 24        | 1:1        | 0.280          | 27.5   |                |
| 793       | 23330 | LTE Band 14 | A        | 10         | 22.00                          | Bottom        | 5            | 0    | 1       | 24        | 1:1        | 0.324          | 26.9   |                |
| 793       | 23330 | LTE Band 14 | E        | 10         | 20.83                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.548          | 23.4   | 23.4           |
| 793       | 23330 | LTE Band 14 | E        | 10         | 20.83                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.471          | 24.1   |                |
| 793       | 23330 | LTE Band 14 | E        | 10         | 20.83                          | Right         | 5            | 0    | 1       | 0         | 1:1        | 0.290          | 26.2   |                |
| 793       | 23330 | LTE Band 14 | E        | 10         | 20.83                          | Top           | 5            | 0    | 1       | 0         | 1:1        | 0.557          | 23.4   |                |
| 831.5     | 26865 | LTE Band 26 | A        | 15         | 22.18                          | Rear          | 5            | 0    | 1       | 74        | 1:1        | 0.840          | 22.9   | 22.9           |
| 831.5     | 26865 | LTE Band 26 | A        | 15         | 22.18                          | Front         | 5            | 0    | 1       | 74        | 1:1        | 0.489          | 25.3   |                |
| 831.5     | 26865 | LTE Band 26 | A        | 15         | 22.18                          | Left          | 5            | 0    | 1       | 74        | 1:1        | 0.091          | 32.6   |                |
| 831.5     | 26865 | LTE Band 26 | A        | 15         | 22.18                          | Right         | 5            | 0    | 1       | 74        | 1:1        | 0.162          | 30.1   |                |
| 831.5     | 26865 | LTE Band 26 | A        | 15         | 22.18                          | Bottom        | 5            | 0    | 1       | 74        | 1:1        | 0.350          | 26.7   |                |
| 831.5     | 26865 | LTE Band 26 | E        | 15         | 19.88                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.349          | 24.5   | 23.9           |
| 831.5     | 26865 | LTE Band 26 | E        | 15         | 19.88                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.240          | 26.1   |                |
| 831.5     | 26865 | LTE Band 26 | E        | 15         | 19.88                          | Right         | 5            | 0    | 1       | 0         | 1:1        | 0.269          | 25.6   |                |
| 831.5     | 26865 | LTE Band 26 | E        | 15         | 19.88                          | Top           | 5            | 0    | 1       | 0         | 1:1        | 0.400          | 23.9   |                |
| 2 310     | 27710 | LTE Band 30 | A        | 10         | 17.01                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.238          | 23.2   | 18.5           |
| 2 310     | 27710 | LTE Band 30 | A        | 10         | 17.01                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.292          | 22.4   |                |
| 2 310     | 27710 | LTE Band 30 | A        | 10         | 17.01                          | Left          | 5            | 0    | 1       | 0         | 1:1        | 0.084          | 27.8   |                |
| 2 310     | 27710 | LTE Band 30 | A        | 10         | 17.01                          | Right         | 5            | 0    | 1       | 0         | 1:1        | 0.037          | 31.3   |                |
| 2 310     | 27710 | LTE Band 30 | A        | 10         | 17.01                          | Bottom        | 5            | 0    | 1       | 0         | 1:1        | 0.707          | 18.5   |                |
| 2 310     | 27710 | LTE Band 30 | F        | 10         | 18.58                          | Rear          | 5            | 0    | 1       | 49        | 1:1        | 0.291          | 23.9   | 23.8           |
| 2 310     | 27710 | LTE Band 30 | F        | 10         | 18.58                          | Front         | 5            | 0    | 1       | 49        | 1:1        | 0.178          | 26.1   |                |
| 2 310     | 27710 | LTE Band 30 | F        | 10         | 18.58                          | Left          | 5            | 0    | 1       | 49        | 1:1        | 0.040          | 32.6   |                |
| 2 310     | 27710 | LTE Band 30 | F        | 10         | 18.58                          | Top           | 5            | 0    | 1       | 49        | 1:1        | 0.303          | 23.8   |                |

### MEASUREMENT RESULTS

| Frequency |        | Mode            | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | Spacing (mm) | MPR  | RB Size | RB offset | Duty Cycle | Meas. SAR (1g) | Plimit | Minimum Plimit |
|-----------|--------|-----------------|----------|------------|--------------------------------|---------------|--------------|------|---------|-----------|------------|----------------|--------|----------------|
| MHz       | Ch.    |                 |          |            |                                |               |              |      |         |           |            |                |        |                |
|           |        |                 |          | (MHz)      | (dBm)                          |               |              | (dB) |         |           |            | (W/kg)         | (dBm)  | (dBm)          |
| 2 593     | 40620  | LTE Band 41 PC3 | B        | 20         | 18.23                          | Rear          | 5            | 0    | 1       | 0         | 1:1.58     | 0.678          | 19.9   | 19.9           |
| 2 593     | 40620  | LTE Band 41 PC3 | B        | 20         | 18.23                          | Front         | 5            | 0    | 1       | 0         | 1:1.58     | 0.360          | 22.7   |                |
| 2 593     | 40620  | LTE Band 41 PC3 | B        | 20         | 18.23                          | Left          | 5            | 0    | 1       | 0         | 1:1.58     | 0.458          | 21.6   |                |
| 2 593     | 40620  | LTE Band 41 PC3 | B        | 20         | 18.23                          | Bottom        | 5            | 0    | 1       | 0         | 1:1.58     | 0.673          | 20.0   |                |
| 2 680     | 41490  | LTE Band 41 PC3 | F        | 20         | 17.59                          | Rear          | 5            | 0    | 1       | 0         | 1:1.58     | 0.459          | 21.0   | 19.1           |
| 2 680     | 41490  | LTE Band 41 PC3 | F        | 20         | 17.59                          | Front         | 5            | 0    | 1       | 0         | 1:1.58     | 0.447          | 21.1   |                |
| 2 680     | 41490  | LTE Band 41 PC3 | F        | 20         | 17.59                          | Left          | 5            | 0    | 1       | 0         | 1:1.58     | 0.075          | 28.8   |                |
| 2 680     | 41490  | LTE Band 41 PC3 | F        | 20         | 17.59                          | Top           | 5            | 0    | 1       | 0         | 1:1.58     | 0.700          | 19.1   |                |
| 3 690     | 56640  | LTE Band 48     | F        | 20         | 14.25                          | Rear          | 5            | 0    | 1       | 99        | 1:1.58     | 0.454          | 17.7   | 16.9           |
| 3 690     | 56640  | LTE Band 48     | F        | 20         | 14.25                          | Front         | 5            | 0    | 1       | 99        | 1:1.58     | 0.441          | 17.8   |                |
| 3 690     | 56640  | LTE Band 48     | F        | 20         | 14.25                          | Left          | 5            | 0    | 1       | 99        | 1:1.58     | 0.054          | 26.9   |                |
| 3 690     | 56640  | LTE Band 48     | F        | 20         | 14.25                          | Top           | 5            | 0    | 1       | 99        | 1:1.58     | 0.540          | 16.9   |                |
| 680.5     | 133297 | LTE Band 71     | A        | 20         | 24.90                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.679          | 26.6   | 26.6           |
| 680.5     | 133297 | LTE Band 71     | A        | 20         | 24.90                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.364          | 29.3   |                |
| 680.5     | 133297 | LTE Band 71     | A        | 20         | 24.90                          | Left          | 5            | 0    | 1       | 0         | 1:1        | 0.341          | 29.6   |                |
| 680.5     | 133297 | LTE Band 71     | A        | 20         | 24.90                          | Right         | 5            | 0    | 1       | 0         | 1:1        | 0.172          | 32.5   |                |
| 680.5     | 133297 | LTE Band 71     | A        | 20         | 24.90                          | Bottom        | 5            | 0    | 1       | 0         | 1:1        | 0.193          | 32.0   |                |
| 680.5     | 133297 | LTE Band 71     | E        | 20         | 20.71                          | Rear          | 5            | 0    | 1       | 0         | 1:1        | 0.373          | 25.0   | 25.0           |
| 680.5     | 133297 | LTE Band 71     | E        | 20         | 20.71                          | Front         | 5            | 0    | 1       | 0         | 1:1        | 0.255          | 26.6   |                |
| 680.5     | 133297 | LTE Band 71     | E        | 20         | 20.71                          | Right         | 5            | 0    | 1       | 0         | 1:1        | 0.177          | 28.2   |                |
| 680.5     | 133297 | LTE Band 71     | E        | 20         | 20.71                          | Top           | 5            | 0    | 1       | 0         | 1:1        | 0.280          | 26.2   |                |

**Table A-11 RSI = 0 *PLimit* Calculations – NR Hotspot SAR**

For some bands/modes, a lower *PLimit* was selected as a more conservative evaluation.

NR TDD Bands : In the case of the NR TDD bands, the *PLimit* were calculated as the Frame average power to which the duty factor was applied to the burst power.0

SAR measurements of all NR TDD bands were measured in FTM Mode.

| MEASUREMENT RESULTS |        |        |          |            |                                |               |            |      |              |         |           |            |               |        |               |
|---------------------|--------|--------|----------|------------|--------------------------------|---------------|------------|------|--------------|---------|-----------|------------|---------------|--------|---------------|
| Frequency           |        | Mode   | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode  | MPR  | Spacing (mm) | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimu Plimit |
| Mhz                 | Ch.    |        |          | (Mhz)      | (dBm)                          |               |            | (dB) |              |         |           |            | (W/kg)        | (dBm)  | (dBm)         |
| 1 882.5             | 376500 | NR n25 | A        | 40         | 15.30                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.488         | 18.4   | 16.2          |
| 1 882.5             | 376500 | NR n25 | A        | 40         | 15.30                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.402         | 19.3   |               |
| 1 882.5             | 376500 | NR n25 | A        | 40         | 15.30                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.091         | 25.7   |               |
| 1 882.5             | 376500 | NR n25 | A        | 40         | 15.30                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.054         | 28.0   |               |
| 1 882.5             | 376500 | NR n25 | A        | 40         | 15.30                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.814         | 16.2   |               |
| 1 882.5             | 376500 | NR n25 | F        | 40         | 17.89                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.438         | 21.5   | 18.9          |
| 1 882.5             | 376500 | NR n25 | F        | 40         | 17.89                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.320         | 22.8   |               |
| 1 882.5             | 376500 | NR n25 | F        | 40         | 17.89                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.122         | 27.0   |               |
| 1 882.5             | 376500 | NR n25 | F        | 40         | 17.89                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.800         | 18.9   |               |
| 2 535               | 507000 | NR n7  | B        | 40         | 18.27                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.763         | 19.4   | 19.4          |
| 2 535               | 507000 | NR n7  | B        | 40         | 18.27                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.322         | 23.2   |               |
| 2 535               | 507000 | NR n7  | B        | 40         | 18.27                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.486         | 21.4   |               |
| 2 535               | 507000 | NR n7  | B        | 40         | 18.27                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.510         | 21.2   |               |
| 2 535               | 507000 | NR n7  | F        | 40         | 16.48                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.487         | 19.6   | 19.6          |
| 2 535               | 507000 | NR n7  | F        | 40         | 16.48                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.352         | 21.0   |               |
| 2 535               | 507000 | NR n7  | F        | 40         | 16.48                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.060         | 28.7   |               |
| 2 535               | 507000 | NR n7  | F        | 40         | 16.48                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 108       | 1:1        | 0.454         | 19.9   |               |
| 707.5               | 141500 | NR n12 | A        | 15         | 21.25                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.686         | 22.9   | 22.9          |
| 707.5               | 141500 | NR n12 | A        | 15         | 21.25                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.415         | 25.1   |               |
| 707.5               | 141500 | NR n12 | A        | 15         | 21.25                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.073         | 32.6   |               |
| 707.5               | 141500 | NR n12 | A        | 15         | 21.25                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.114         | 30.7   |               |
| 707.5               | 141500 | NR n12 | A        | 15         | 21.25                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.430         | 24.9   |               |
| 707.5               | 141500 | NR n12 | E        | 15         | 19.97                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.594         | 22.2   | 22.2          |
| 707.5               | 141500 | NR n12 | E        | 15         | 19.97                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.410         | 23.8   |               |
| 707.5               | 141500 | NR n12 | E        | 15         | 19.97                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.337         | 24.7   |               |
| 707.5               | 141500 | NR n12 | E        | 15         | 19.97                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.510         | 22.9   |               |
| 793                 | 158600 | NR n14 | A        | 10         | 21.36                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.610         | 23.5   | 23.5          |
| 793                 | 158600 | NR n14 | A        | 10         | 21.36                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.362         | 25.8   |               |
| 793                 | 158600 | NR n14 | A        | 10         | 21.36                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.076         | 32.6   |               |
| 793                 | 158600 | NR n14 | A        | 10         | 21.36                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.277         | 26.9   |               |
| 793                 | 158600 | NR n14 | A        | 10         | 21.36                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.343         | 26.0   |               |
| 793                 | 158600 | NR n14 | E        | 10         | 20.91                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.479         | 24.1   | 23.7          |
| 793                 | 158600 | NR n14 | E        | 10         | 20.91                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.454         | 24.3   |               |
| 793                 | 158600 | NR n14 | E        | 10         | 20.91                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.281         | 26.4   |               |
| 793                 | 158600 | NR n14 | E        | 10         | 20.91                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.523         | 23.7   |               |

| MEASUREMENT RESULTS |        |                     |          |            |                                |               |            |      |              |         |           |            |               |        |                |
|---------------------|--------|---------------------|----------|------------|--------------------------------|---------------|------------|------|--------------|---------|-----------|------------|---------------|--------|----------------|
| Frequency           |        | Mode                | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode  | MPR  | Spacing (mm) | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |                     |          | (MHz)      | (dBm)                          |               |            | (dB) |              |         |           |            | (W/kg)        | (dBm)  | (dBm)          |
| 831.5               | 166300 | NR n26              | A        | 20         | 22.23                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.760         | 23.4   | 23.4           |
| 831.5               | 166300 | NR n26              | A        | 20         | 22.23                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.438         | 25.8   |                |
| 831.5               | 166300 | NR n26              | A        | 20         | 22.23                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.056         | 34.7   |                |
| 831.5               | 166300 | NR n26              | A        | 20         | 22.23                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.157         | 30.3   |                |
| 831.5               | 166300 | NR n26              | A        | 20         | 22.23                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.364         | 26.6   |                |
| 831.5               | 166300 | NR n26              | E        | 20         | 20.02                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.381         | 24.2   | 23.9           |
| 831.5               | 166300 | NR n26              | E        | 20         | 20.02                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.412         | 23.9   |                |
| 831.5               | 166300 | NR n26              | E        | 20         | 20.02                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.262         | 25.8   |                |
| 831.5               | 166300 | NR n26              | E        | 20         | 20.02                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.234         | 26.3   |                |
| 2 310               | 462000 | NR n30              | A        | 10         | 16.84                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.421         | 20.6   | 17.5           |
| 2 310               | 462000 | NR n30              | A        | 10         | 16.84                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.254         | 22.8   |                |
| 2 310               | 462000 | NR n30              | A        | 10         | 16.84                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.097         | 27.0   |                |
| 2 310               | 462000 | NR n30              | A        | 10         | 16.84                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.037         | 31.2   |                |
| 2 310               | 462000 | NR n30              | A        | 10         | 16.84                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.862         | 17.5   |                |
| 2 310               | 462000 | NR n30              | F        | 10         | 17.90                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.481         | 21.1   | 21.1           |
| 2 310               | 462000 | NR n30              | F        | 10         | 17.90                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.324         | 22.8   |                |
| 2 310               | 462000 | NR n30              | F        | 10         | 17.90                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.041         | 31.8   |                |
| 2 310               | 462000 | NR n30              | F        | 10         | 17.90                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 26        | 1:1        | 0.457         | 21.3   |                |
| 2 592.99            | 518598 | NR n41              | B        | 100        | 18.65                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.447         | 22.1   | 19.9           |
| 2 592.99            | 518598 | NR n41              | B        | 100        | 18.65                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.332         | 23.4   |                |
| 2 592.99            | 518598 | NR n41              | B        | 100        | 18.65                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.397         | 22.7   |                |
| 2 592.99            | 518598 | NR n41              | B        | 100        | 18.65                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.751         | 19.9   |                |
| 2 592.99            | 518598 | NR n41 Hopping      | F        | 100        | 17.36                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.231         | 23.7   | 18.9           |
| 2 592.99            | 518598 | NR n41 Hopping      | F        | 100        | 17.36                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.240         | 23.6   |                |
| 2 592.99            | 518598 | NR n41 Hopping      | F        | 100        | 17.36                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.036         | 31.8   |                |
| 2 592.99            | 518598 | NR n41 Hopping      | F        | 100        | 17.36                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.708         | 18.9   |                |
| 2 592.99            | 518598 | NR n41 SRS1         | F        | 100        | 13.79                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.233         | 20.1   | 18.2           |
| 2 592.99            | 518598 | NR n41 SRS1         | F        | 100        | 13.79                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.177         | 21.3   |                |
| 2 592.99            | 518598 | NR n41 SRS1         | F        | 100        | 13.79                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.022         | 30.4   |                |
| 2 592.99            | 518598 | NR n41 SRS1         | F        | 100        | 13.79                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.364         | 18.2   |                |
| 2 592.99            | 518598 | NR n41 Hopping SRS1 | B        | 100        | 17.67                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.274         | 23.3   | 20.6           |
| 2 592.99            | 518598 | NR n41 Hopping SRS1 | B        | 100        | 17.67                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.095         | 27.9   |                |
| 2 592.99            | 518598 | NR n41 Hopping SRS1 | B        | 100        | 17.67                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.233         | 24.0   |                |
| 2 592.99            | 518598 | NR n41 Hopping SRS1 | B        | 100        | 17.67                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.515         | 20.6   |                |
| 2 592.99            | 518598 | NR n41 SRS2         | D        | 100        | 13.10                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.749         | 14.4   | 14.4           |
| 2 592.99            | 518598 | NR n41 SRS2         | D        | 100        | 13.10                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.015         | 31.3   |                |
| 2 592.99            | 518598 | NR n41 SRS2         | D        | 100        | 13.10                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.013         | 32.0   |                |
| 2 592.99            | 518598 | NR n41 SRS2         | D        | 100        | 13.10                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.022         | 29.7   |                |
| 2 592.99            | 518598 | NR n41 SRS3         | E        | 100        | 17.42                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.144         | 25.8   | 25.0           |
| 2 592.99            | 518598 | NR n41 SRS3         | E        | 100        | 17.42                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.111         | 27.0   |                |
| 2 592.99            | 518598 | NR n41 SRS3         | E        | 100        | 17.42                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.021         | 34.2   |                |
| 2 592.99            | 518598 | NR n41 SRS3         | E        | 100        | 17.42                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.175         | 25.0   |                |

| MEASUREMENT RESULTS |        |             |          |            |                                |               |            |      |              |         |           |            |               |        |                |
|---------------------|--------|-------------|----------|------------|--------------------------------|---------------|------------|------|--------------|---------|-----------|------------|---------------|--------|----------------|
| Frequency           |        | Mode        | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode  | MPR  | Spacing (mm) | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimur Plimit |
| MHz                 | Ch.    |             |          | (MHz)      | (dBm)                          |               |            | (dB) |              |         |           |            | (W/kg)        | (dBm)  | (dBm)          |
| 3 624.99            | 641666 | NR n48      | F        | 40         | 16.19                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.277         | 21.8   | 19.7           |
| 3 624.99            | 641666 | NR n48      | F        | 40         | 16.19                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.288         | 21.6   |                |
| 3 624.99            | 641666 | NR n48      | F        | 40         | 16.19                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.041         | 30.1   |                |
| 3 624.99            | 641666 | NR n48      | F        | 40         | 16.19                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.442         | 19.7   |                |
| 3 624.99            | 641666 | NR n48 SRS1 | C        | 40         | 15.20                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.272         | 20.9   | 16.2           |
| 3 624.99            | 641666 | NR n48 SRS1 | C        | 40         | 15.20                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.106         | 24.9   |                |
| 3 624.99            | 641666 | NR n48 SRS1 | C        | 40         | 15.20                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.79          | 16.2   |                |
| 3 624.99            | 641666 | NR n48 SRS1 | C        | 40         | 15.20                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.131         | 24.0   |                |
| 3 624.99            | 641666 | NR n48 SRS2 | I        | 40         | 15.93                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.228         | 22.4   | 22.4           |
| 3 624.99            | 641666 | NR n48 SRS2 | I        | 40         | 15.93                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.189         | 23.2   |                |
| 3 624.99            | 641666 | NR n48 SRS2 | I        | 40         | 15.93                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.177         | 23.5   |                |
| 3 624.99            | 641666 | NR n48 SRS3 | D        | 40         | 16.68                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.615         | 18.8   | 18.8           |
| 3 624.99            | 641666 | NR n48 SRS3 | D        | 40         | 16.68                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.001         | 46.7   |                |
| 3 624.99            | 641666 | NR n48 SRS3 | D        | 40         | 16.68                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.011         | 36.3   |                |
| 3 624.99            | 641666 | NR n48 SRS3 | D        | 40         | 16.68                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 53        | 1:1        | 0.038         | 30.9   |                |
| 1 745               | 349000 | NR n66      | A        | 40         | 15.06                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.235         | 21.3   | 16.6           |
| 1 745               | 349000 | NR n66      | A        | 40         | 15.06                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.386         | 19.2   |                |
| 1 745               | 349000 | NR n66      | A        | 40         | 15.06                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.096         | 25.2   |                |
| 1 745               | 349000 | NR n66      | A        | 40         | 15.06                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.052         | 27.9   |                |
| 1 745               | 349000 | NR n66      | A        | 40         | 15.06                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.702         | 16.6   |                |
| 1 745               | 349000 | NR n66      | F        | 40         | 17.44                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.429         | 21.1   | 19.1           |
| 1 745               | 349000 | NR n66      | F        | 40         | 17.44                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.312         | 22.5   |                |
| 1 745               | 349000 | NR n66      | F        | 40         | 17.44                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.117         | 26.8   |                |
| 1 745               | 349000 | NR n66      | F        | 40         | 17.44                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.680         | 19.1   |                |
| 1 702.5             | 340500 | NR n70      | A        | 15         | 15.87                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.766         | 17.0   | 16.1           |
| 1 702.5             | 340500 | NR n70      | A        | 15         | 15.87                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.591         | 18.2   |                |
| 1 702.5             | 340500 | NR n70      | A        | 15         | 15.87                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.060         | 28.1   |                |
| 1 702.5             | 340500 | NR n70      | A        | 15         | 15.87                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.038         | 30.1   |                |
| 1 702.5             | 340500 | NR n70      | A        | 15         | 15.87                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.951         | 16.1   |                |
| 1 702.5             | 340500 | NR n70      | F        | 15         | 17.99                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.353         | 22.5   | 20.2           |
| 1 702.5             | 340500 | NR n70      | F        | 15         | 17.99                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.281         | 23.5   |                |
| 1 702.5             | 340500 | NR n70      | F        | 15         | 17.99                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.098         | 28.1   |                |
| 1 702.5             | 340500 | NR n70      | F        | 15         | 17.99                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 77        | 1:1        | 0.607         | 20.2   |                |

| MEASUREMENT RESULTS |        |                  |          |            |                                |               |            |      |              |         |           |            |               |        |                |
|---------------------|--------|------------------|----------|------------|--------------------------------|---------------|------------|------|--------------|---------|-----------|------------|---------------|--------|----------------|
| Frequency           |        | Mode             | Ant. No. | Band width | Frame Averaged Conducted Power | Test Position | OFDM Mode  | MPR  | Spacing (mm) | RB Size | RB offset | Duty Cycle | Meas. SAR(1g) | Plimit | Minimum Plimit |
| MHz                 | Ch.    |                  |          | (MHz)      | (dBm)                          |               |            | (dB) |              |         |           |            | (W/kg)        | (dBm)  | (dBm)          |
| 680.5               | 136100 | NR n71           | A        | 20         | 24.52                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.667         | 26.3   | 26.3           |
| 680.5               | 136100 | NR n71           | A        | 20         | 24.52                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.363         | 28.9   |                |
| 680.5               | 136100 | NR n71           | A        | 20         | 24.52                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.069         | 36.1   |                |
| 680.5               | 136100 | NR n71           | A        | 20         | 24.52                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.179         | 32.0   |                |
| 680.5               | 136100 | NR n71           | A        | 20         | 24.52                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.198         | 31.6   |                |
| 680.5               | 136100 | NR n71           | F        | 20         | 20.52                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.413         | 24.4   | 24.1           |
| 680.5               | 136100 | NR n71           | F        | 20         | 20.52                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.440         | 24.1   |                |
| 680.5               | 136100 | NR n71           | F        | 20         | 20.52                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.198         | 27.6   |                |
| 680.5               | 136100 | NR n71           | F        | 20         | 20.52                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 1         | 1:1        | 0.426         | 24.2   |                |
| 3 750               | 650000 | NR n77           | F        | 100        | 14.10                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.332         | 18.9   | 16.9           |
| 3 750               | 650000 | NR n77           | F        | 100        | 14.10                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.354         | 18.6   |                |
| 3 750               | 650000 | NR n77           | F        | 100        | 14.10                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.037         | 28.4   |                |
| 3 750               | 650000 | NR n77           | F        | 100        | 14.10                          | Top           | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.522         | 16.9   |                |
| 3 500.01            | 633334 | NR n77 DoD       | F        | 100        | 14.34                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 271       | 1:1        | 0.390         | 18.4   | 18.4           |
| 3 750               | 650000 | NR n77 SRS 1     | C        | 100        | 12.06                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.151         | 20.3   | 16.8           |
| 3 750               | 650000 | NR n77 SRS 1     | C        | 100        | 12.06                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.116         | 21.4   |                |
| 3 750               | 650000 | NR n77 SRS 1     | C        | 100        | 12.06                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.335         | 16.8   |                |
| 3 750               | 650000 | NR n77 SRS 1     | C        | 100        | 12.06                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.093         | 22.4   |                |
| 3 500.01            | 633334 | NR n77 SRS 1 DoD | C        | 100        | 10.53                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.272         | 16.2   | 16.2           |
| 3 750               | 650000 | NR n77 SRS 2     | I        | 100        | 15.15                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.335         | 19.9   | 19.9           |
| 3 750               | 650000 | NR n77 SRS 2     | I        | 100        | 15.15                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.269         | 20.9   |                |
| 3 750               | 650000 | NR n77 SRS 2     | I        | 100        | 15.15                          | Left          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.170         | 22.8   |                |
| 3 500.01            | 633334 | NR n77 SRS 2 DoD | I        | 100        | 14.72                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.162         | 22.6   | 22.6           |
| 3 930               | 662000 | NR n77 SRS 3     | D        | 100        | 11.31                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.339         | 16.0   | 16.0           |
| 3 930               | 662000 | NR n77 SRS 3     | D        | 100        | 11.31                          | Front         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.008 69      | 31.8   |                |
| 3 930               | 662000 | NR n77 SRS 3     | D        | 100        | 11.31                          | Right         | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.015         | 29.5   |                |
| 3 930               | 662000 | NR n77 SRS 3     | D        | 100        | 11.31                          | Bottom        | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.044         | 24.9   |                |
| 3 500.01            | 633334 | NR n77 SRS 3 DoD | D        | 100        | 11.96                          | Rear          | DFT-s QPSK | 0    | 5            | 1       | 137       | 1:1        | 0.184         | 19.3   | 19.3           |

Table A-12 RSI = 0 *PLimit* Calculations – WLAN Hotspot SAR

| MEASUREMENT RESULTS |     |               |               |             |              |                                      |                  |                 |               |                  |                   |        |              |
|---------------------|-----|---------------|---------------|-------------|--------------|--------------------------------------|------------------|-----------------|---------------|------------------|-------------------|--------|--------------|
| Frequency           |     | Mode/<br>Band | Band<br>width | Ant.<br>No. | Data<br>Rate | Frame Averaged<br>Conducted<br>Power | Test<br>Position | Ant.<br>Config. | Duty<br>Cycle | Meas.<br>SAR(1g) | Scaling<br>Factor | Plimit | Minimum Plin |
| Mhz                 | Ch. |               | (Mhz)         |             | (Mbps)       | (dBm)                                |                  |                 |               | (W/kg)           | (Duty)            | (dBm)  | (dBm)        |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Rear             | WIFI1           | 99            | 0.309            | 1.010             | 22.1   | 19.9         |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Front            | WIFI1           | 99            | 0.283            | 1.010             | 22.5   |              |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Left             | WIFI1           | 99            | 0.512            | 1.010             | 19.9   |              |
| 2 412               | 1   | 802.11b       | 20            | H           | 1            | 17.96                                | Top              | WIFI1           | 99            | 0.206            | 1.010             | 23.9   |              |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Rear             | WIFI2           | 99            | 0.117            | 1.010             | 26.1   | 26.1         |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Front            | WIFI2           | 99            | 0.112            | 1.010             | 26.3   |              |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Right            | WIFI2           | 99            | 0.063            | 1.010             | 28.8   |              |
| 2 462               | 11  | 802.11b       | 20            | J           | 1            | 17.80                                | Top              | WIFI2           | 99            | 0.000            | 1.010             | N/A    |              |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Rear             | MIMO            | 99            | 0.344            | 1.010             | 21.4   | 18.0         |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Front            | MIMO            | 99            | 0.249            | 1.010             | 22.8   |              |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Left             | MIMO            | 99            | 0.764            | 1.010             | 18.0   |              |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Right            | MIMO            | 99            | 0.064            | 1.010             | 28.7   |              |
| 2 412               | 1   | 802.11b       | 20            | H+J         | 1            | 17.76                                | Top              | MIMO            | 99            | 0.262            | 1.010             | 22.6   |              |
| 5 855               | 171 | 802.11ac      | 80            | H           | MCS0         | 13.55                                | Rear             | WIFI1           | 85.9          | 0.273            | 1.164             | 18.2   | 16.2         |
| 5 855               | 171 | 802.11ac      | 80            | H           | MCS0         | 13.55                                | Front            | WIFI1           | 85.9          | 0.119            | 1.164             | 21.8   |              |
| 5 855               | 171 | 802.11ac      | 80            | H           | MCS0         | 13.55                                | Left             | WIFI1           | 85.9          | 0.434            | 1.164             | 16.2   |              |
| 5 855               | 171 | 802.11ac      | 80            | H           | MCS0         | 13.55                                | Top              | WIFI1           | 85.9          | 0.092            | 1.164             | 22.9   |              |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Rear             | WIFI2           | 85.9          | 0.280            | 1.164             | 19.3   | 19.3         |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Front            | WIFI2           | 85.9          | 0.041            | 1.164             | 27.6   |              |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Right            | WIFI2           | 85.9          | 0.046            | 1.164             | 27.1   |              |
| 5 290               | 58  | 802.11ac      | 80            | E           | MCS0         | 14.72                                | Top              | WIFI2           | 85.9          | 0.134            | 1.164             | 22.5   |              |
| 5 610               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Rear             | MIMO            | 85.9          | 0.344            | 1.164             | 17.9   | 17.9         |
| 5 610               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Front            | MIMO            | 85.9          | 0.127            | 1.164             | 22.3   |              |
| 5 610               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Left             | MIMO            | 85.9          | 0.300            | 1.164             | 18.5   |              |
| 5 610               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Right            | MIMO            | 85.9          | 0.043            | 1.164             | 27.0   |              |
| 5 610               | 58  | 802.11ac      | 80            | H+E         | MCS0         | 14.27                                | Top              | MIMO            | 85.9          | 0.137            | 1.164             | 21.9   |              |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Rear             | WIFI1           | 90.7          | 0.075            | 1.103             | 18.4   | 15.6         |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Front            | WIFI1           | 90.7          | 0.029            | 1.103             | 22.5   |              |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Left             | WIFI1           | 90.7          | 0.142            | 1.103             | 15.6   |              |
| 6 185               | 47  | 802.11ax      | 160           | H           | MCS0         | 8.09                                 | Top              | WIFI1           | 90.7          | 0.015            | 1.103             | 25.4   |              |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Rear             | WIFI2           | 90.7          | 0.00             | 1.103             | N/A    | N/A          |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Front            | WIFI2           | 90.7          | 0.00             | 1.103             | N/A    |              |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Right            | WIFI2           | 90.7          | 0.00             | 1.103             | N/A    |              |
| 6 505               | 111 | 802.11ax      | 160           | E           | MCS0         | 8.69                                 | Top              | WIFI2           | 90.7          | 0.00             | 1.103             | N/A    |              |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Rear             | MIMO            | 90.7          | 0.075            | 1.103             | 18.4   | 15.6         |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Front            | MIMO            | 90.7          | 0.029            | 1.103             | 22.5   |              |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Left             | MIMO            | 90.7          | 0.142            | 1.103             | 15.6   |              |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Right            | MIMO            | 90.7          | 0.000            | 1.103             | N/A    |              |
| 6 185               | 47  | 802.11ax      | 160           | H+E         | MCS0         | 8.09                                 | Top              | MIMO            | 90.7          | 0.015            | 1.103             | 25.4   |              |

### MEASUREMENT RESULTS

| Frequency |     | Mode/ Band | Ant. No. | Frame Averaged Conducted Power | Test Position | Ant. Config. | Meas. SAR(1g) | Scaling Factor | Plimit | Minimum Plimit |
|-----------|-----|------------|----------|--------------------------------|---------------|--------------|---------------|----------------|--------|----------------|
| MHz       | Ch. |            |          | (dBm)                          |               |              | (W/kg)        | (Duty)         | (dBm)  | (dBm)          |
| 2 402     | 0   | 2DH5       | H        | 12.69                          | Rear          | Ant 1        | 0.171         | 1.016          | 19.4   | 16.7           |
| 2 402     | 0   | 2DH5       | H        | 12.69                          | Front         | Ant 1        | 0.125         | 1.016          | 20.8   |                |
| 2 402     | 0   | 2DH5       | H        | 12.69                          | Left          | Ant 1        | 0.319         | 1.016          | 16.7   |                |
| 2 402     | 0   | 2DH5       | H        | 12.69                          | Top           | Ant 1        | 0.106         | 1.016          | 21.5   |                |
| 2 441     | 39  | DH5        | J        | 13.82                          | Rear          | Ant 2        | 0.046         | 1.016          | 26.2   | 26.2           |
| 2 441     | 39  | DH5        | J        | 13.82                          | Front         | Ant 2        | 0.013         | 1.016          | 31.7   |                |
| 2 441     | 39  | DH5        | J        | 13.82                          | Right         | Ant 2        | 0.019         | 1.016          | 30.1   |                |
| 2 441     | 39  | DH5        | J        | 13.82                          | Top           | Ant 2        | 0.000         | 1.016          | N/A    |                |
| 2 402     | 0   | 2DH5       | H+J      | 16.14                          | Rear          | Dual         | 0.066         | 1.016          | 27.0   | 24.3           |
| 2 402     | 0   | 2DH5       | H+J      | 16.14                          | Front         | Dual         | 0.047         | 1.016          | 28.4   |                |
| 2 402     | 0   | 2DH5       | H+J      | 16.14                          | Left          | Dual         | 0.123         | 1.016          | 24.3   |                |
| 2 402     | 0   | 2DH5       | H+J      | 16.14                          | Right         | Dual         | 0.012         | 1.016          | 34.4   |                |
| 2 402     | 0   | 2DH5       | H+J      | 16.14                          | Top           | Dual         | 0.034         | 1.016          | 29.9   |                |
| 2 402     | 37  | LE 1M      | H        | 13.06                          | Rear          | Ant 1        | 0.109         | 1.033          | 21.7   | 19.0           |
| 2 402     | 37  | LE 1M      | H        | 13.06                          | Front         | Ant 1        | 0.077         | 1.033          | 23.2   |                |
| 2 402     | 37  | LE 1M      | H        | 13.06                          | Left          | Ant 1        | 0.202         | 1.033          | 19.0   |                |
| 2 402     | 37  | LE 1M      | H        | 13.06                          | Top           | Ant 1        | 0.060         | 1.033          | 24.3   |                |
| 2 440     | 17  | LE 1M      | J        | 14.52                          | Rear          | Ant 2        | 0.035         | 1.033          | 28.1   | 25.4           |
| 2 440     | 17  | LE 1M      | J        | 14.52                          | Front         | Ant 2        | 0.065         | 1.033          | 25.4   |                |
| 2 440     | 17  | LE 1M      | J        | 14.52                          | Right         | Ant 2        | 0.008         | 1.033          | 34.5   |                |
| 2 440     | 17  | LE 1M      | J        | 14.52                          | Top           | Ant 2        | 0.005         | 1.033          | 36.6   |                |