

# TEST REPORT

**Applicant:** UROVO PTE. LIMITED  
**Address:** 1 Raffles Place, #21-01 One Raffles Place Tower 1,  
Singapore 048616  
**Equipment Type:** Mobile Data terminal  
**Model Name:** DT610 (refer to section 2.3)  
**Brand Name:** UROVO  
**FCC ID:** 2BQURDT610  
**Test Standard:** FCC 47 CFR Part 2.1093  
(refer to section 3.1)  
**Maximum SAR:** Head (1 g@0mm): 0.75 W/kg  
Body-worn (1 g@10mm): 0.79 W/kg  
Hotspot (1 g@10mm): 0.79 W/kg  
Specific (10 g@0mm): 2.81 W/kg  
**Sample Arrival Date:** Jun. 27, 2025  
**Test Date:** Jul. 09, 2025 - Nov. 26, 2025  
**Date of Issue:** Nov. 27, 2025

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Xiong Lining**Checked by:** Xu Rui**Approved by:** Tolan Tu  
(Testing Director)

### Revision History

| Version        | Issue Date           | Revisions Content                                                                                                                                                                                                                                                                                                                        |
|----------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Rev. 01</u> | <u>Nov. 14, 2025</u> | <u>Initial Issue</u>                                                                                                                                                                                                                                                                                                                     |
| <u>Rev. 02</u> | <u>Nov. 27, 2025</u> | <u>1. Retest WCDMA B4/5, LTE B12/41, and NR N38 and update relevant data.</u><br><u>2. Updated RB Offset.</u><br><u>3. WLAN 5.3G updated tune up Power 15.5dBm to 16dBm.</u><br><u>4. Delete the power on pages 53 and 54 of "BL-SZ2561465-AP.pdf".</u><br><u>5. Added the tests of LTE B2 Ant.0&amp;Ant.2. and update relevant data</u> |

### TABLE OF CONTENTS

|     |                                                          |    |
|-----|----------------------------------------------------------|----|
| 1   | GENERAL INFORMATION .....                                | 6  |
| 1.1 | Test Laboratory .....                                    | 6  |
| 1.2 | Test Location .....                                      | 6  |
| 1.3 | Test Environment Condition .....                         | 6  |
| 2   | PRODUCT INFORMATION .....                                | 7  |
| 2.1 | Applicant Information .....                              | 7  |
| 2.2 | Manufacturer Information .....                           | 7  |
| 2.3 | General Description for Equipment under Test (EUT) ..... | 7  |
| 2.4 | Ancillary Equipment .....                                | 7  |
| 2.5 | Technical Information .....                              | 8  |
| 3   | SUMMARY OF TEST RESULT .....                             | 11 |
| 3.1 | Test Standards .....                                     | 11 |
| 3.2 | Device Category and SAR Limit .....                      | 12 |
| 3.3 | Test Result Summary .....                                | 13 |
| 3.4 | Test Uncertainty .....                                   | 15 |
| 4   | MEASUREMENT SYSTEM .....                                 | 16 |
| 4.1 | Specific Absorption Rate (SAR) Definition .....          | 16 |
| 4.2 | DASY SAR System .....                                    | 17 |

|       |                                                   |    |
|-------|---------------------------------------------------|----|
| 5     | SYSTEM VERIFICATION.....                          | 24 |
| 5.1   | Purpose of System Check.....                      | 24 |
| 5.2   | System Check Setup.....                           | 24 |
| 6     | TEST POSITION CONFIGURATIONS.....                 | 25 |
| 6.1   | Head Exposure Conditions.....                     | 25 |
| 6.2   | Body-worn Position Conditions .....               | 27 |
| 6.3   | Hotspot Mode Exposure Position Conditions .....   | 28 |
| 6.4   | Product Specific 10g Exposure Consideration ..... | 28 |
| 7     | MEASUREMENT PROCEDURE.....                        | 29 |
| 7.1   | Measurement Process Diagram.....                  | 29 |
| 7.2   | SAR Scan General Requirement .....                | 30 |
| 7.3   | Measurement Procedure.....                        | 31 |
| 7.4   | Area & Zoom Scan Procedure .....                  | 31 |
| 7.5   | LTE (TDD) Considerations .....                    | 32 |
| 8     | CONDUCTED RF OUTPUT POWER.....                    | 34 |
| 9     | TEST EXCLUSION CONSIDERATION.....                 | 35 |
| 10    | TEST RESULT .....                                 | 37 |
| 10.1  | WCDMA Band 2.....                                 | 37 |
| 10.2  | WCDMA Band 4.....                                 | 38 |
| 10.3  | WCDMA Band 5.....                                 | 39 |
| 10.4  | LTE Band 2 (20MHz Bandwidth).....                 | 40 |
| 10.5  | LTE Band 7 (20MHz Bandwidth).....                 | 42 |
| 10.6  | LTE Band 12 (10MHz Bandwidth).....                | 44 |
| 10.7  | LTE Band 13 (10MHz Bandwidth).....                | 45 |
| 10.8  | LTE Band 14 (10MHz Bandwidth).....                | 46 |
| 10.9  | LTE Band 25 (20MHz Bandwidth).....                | 47 |
| 10.10 | LTE Band 26 (15MHz Bandwidth).....                | 48 |
| 10.11 | LTE Band 30 (10MHz Bandwidth).....                | 49 |
| 10.12 | LTE Band 66 (20MHz Bandwidth).....                | 50 |
| 10.13 | LTE Band 71 (20MHz Bandwidth).....                | 52 |

|       |                                                                 |    |
|-------|-----------------------------------------------------------------|----|
| 10.14 | LTE Band 41 (20MHz Bandwidth).....                              | 53 |
| 10.15 | LTE Band 43 (20MHz Bandwidth).....                              | 54 |
| 10.16 | NR n2 (20MHz Bandwidth).....                                    | 55 |
| 10.17 | NR n5 (20MHz Bandwidth).....                                    | 57 |
| 10.18 | NR n7 (20MHz Bandwidth).....                                    | 59 |
| 10.19 | NR n12 (15MHz Bandwidth).....                                   | 61 |
| 10.20 | NR n13 (10MHz Bandwidth).....                                   | 62 |
| 10.21 | NR n14 (20MHz Bandwidth).....                                   | 63 |
| 10.22 | NR n25 (20MHz Bandwidth).....                                   | 64 |
| 10.23 | NR n26 (20MHz Bandwidth).....                                   | 66 |
| 10.24 | NR n30 (10MHz Bandwidth).....                                   | 67 |
| 10.25 | NR n66 (20MHz Bandwidth).....                                   | 69 |
| 10.26 | NR n71 (20MHz Bandwidth).....                                   | 71 |
| 10.27 | NR n38 (40MHz Bandwidth).....                                   | 72 |
| 10.28 | NR n41 (100MHz Bandwidth).....                                  | 73 |
| 10.29 | NR n77 (3450MHz-3550MHz) (100MHz Bandwidth) .....               | 74 |
| 10.30 | NR n77 (3700MHz-3980MHz) (100MHz Bandwidth) .....               | 75 |
| 10.31 | NR n78 (3450MHz-3550MHz) (100MHz Bandwidth) .....               | 76 |
| 10.32 | NR n78 (3700MHz-3800MHz) (100MHz Bandwidth) .....               | 77 |
| 10.33 | 2.4G WIFI .....                                                 | 78 |
| 10.34 | 5G WIFI .....                                                   | 80 |
| 10.35 | Bluetooth .....                                                 | 83 |
| 10.36 | RFID .....                                                      | 84 |
| 10.37 | NFC SAR.....                                                    | 85 |
| 11    | SAR Measurement Variability .....                               | 86 |
| 12    | SIMULTANEOUS TRANSMISSION .....                                 | 87 |
| 12.1  | Simultaneous Transmission Mode Consider .....                   | 87 |
| 12.2  | Highest Total Exposure Ratio of Simultaneous Transmission ..... | 87 |
| 12.3  | Sum SAR of Simultaneous Transmission .....                      | 87 |
| 13    | TEST EQUIPMENTS LIST .....                                      | 88 |

---

|         |                                             |    |
|---------|---------------------------------------------|----|
| ANNEX A | SIMULATING LIQUID VERIFICATION RESULT ..... | 90 |
| ANNEX B | SYSTEM CHECK RESULT .....                   | 92 |
| ANNEX C | TEST DATA.....                              | 95 |
| ANNEX D | EUT EXTERNAL PHOTOS .....                   | 95 |
| ANNEX E | SAR TEST SETUP PHOTOS.....                  | 95 |
| ANNEX F | CALIBRATION REPORT .....                    | 95 |
| ANNEX G | TUNE-UP PROCEDURE .....                     | 95 |

# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

|              |                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------|
| Name         | Shenzhen BALUN Technology Co., Ltd.                                                                                          |
| Address      | Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Phone Number | +86 755 6685 0100                                                                                                            |

## 1.2 Test Location

|                           |                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                      | Shenzhen BALUN Technology Co., Ltd.                                                                                                                                                                                                |
| Location                  | <input type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                                              |
|                           | <input checked="" type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Accreditation Certificate | The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.                                                                                                   |

## 1.3 Test Environment Condition

|                           |              |
|---------------------------|--------------|
| Ambient Temperature       | 18°C to 25°C |
| Ambient Relative Humidity | 30% to 70%   |

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                     |
|-----------|---------------------------------------------------------------------|
| Applicant | UROVO PTE. LIMITED                                                  |
| Address   | 1 Raffles Place, #21-01 One Raffles Place Tower 1, Singapore 048616 |

### 2.2 Manufacturer Information

|              |                                                                     |
|--------------|---------------------------------------------------------------------|
| Manufacturer | UROVO PTE. LIMITED                                                  |
| Address      | 1 Raffles Place, #21-01 One Raffles Place Tower 1, Singapore 048616 |

### 2.3 General Description for Equipment under Test (EUT)

|                                           |                                                                                                                                                            |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT Name                                  | Mobile Data terminal                                                                                                                                       |
| Model Name Under Test                     | DT610                                                                                                                                                      |
| Series Model Name                         | DT610S, DT610M, DT610C, DT610 Pro, DT610H, DT610HC, DT610U, DT610G, DT610D, DT610P, DT610R, DT61 Lite, HB600, HS600, HD600                                 |
| Description of Model name differentiation | All models are same with electrical parameters and internal circuit structure, but only differ in model name. (this information provided by the applicant) |
| Hardware Version                          | N/A                                                                                                                                                        |
| Software Version                          | N/A                                                                                                                                                        |
| Dimensions (Approx.)                      | N/A                                                                                                                                                        |
| Weight (Approx.)                          | N/A                                                                                                                                                        |

### 2.4 Ancillary Equipment

|                       |                      |                                          |
|-----------------------|----------------------|------------------------------------------|
| Ancillary Equipment 1 | Battery              |                                          |
|                       | Brand Name           | N/A                                      |
|                       | Model No.            | HB40DT610                                |
|                       | Serial No.           | N/A                                      |
|                       | Capacity             | 4000 mAh                                 |
|                       | Rated Voltage        | 3.87 V                                   |
|                       | Limit Charge Voltage | 4.45 V                                   |
|                       | Manufacturer         | Jiade Energy Technology(Zhuhai)Co., Ltd. |

## 2.5 Technical Information

|                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network and Wireless connectivity                                                                                                                                                                                                                          | 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5<br>4G Network FDD LTE Band 2/4/5/7/12/13/14/17/25/26/30/66/71<br>TDD LTE Band 38/41/43<br>5G Network<br>SA: NR n2/n5/n7/n12/n13/n14/n25/n26/n30/n38/n41/n66/n71/n77/n78<br>NSA(EN-DC): DC_2A_n5A, DC_2A_n41A, DC_2A_n66A,<br>DC_2A_n71A, DC_2A_n77A, DC_4A_n41A, DC_5A_n41A,<br>DC_5A_n66A, DC_5A_n77A, DC_7A_n5A, DC_7A_n66A,<br>DC_7A_n71A, DC_41A_n77A, DC_66A_n5A, DC_66A_n41A,<br>DC_66A_n71A, DC_66A_n77A, DC_71A_n41A, DC_71A_n66A,<br>DC_71A_n77A<br>Bluetooth (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac and 802.11ax<br>GPS, GLONASS, BDS, Galileo, NFC, RFID |
| Note:<br>The EUT is a Mobile Data terminal, which supports dual SIM card under the same transceiver. Each SIM supports WCDMA, LTE and NR, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

The requirement for the following technical information of the EUT was tested in this report:

| Operating Mode  | WCDMA, LTE, NR, 2.4G WIFI, 5G WIFI, Bluetooth, NFC, RFID |                     |                     |
|-----------------|----------------------------------------------------------|---------------------|---------------------|
| Frequency Range | WCDMA Band 2                                             | TX: 1850 ~ 1910 MHz | RX: 1930 ~ 1990 MHz |
|                 | WCDMA Band 4                                             | TX: 1710 ~ 1755 MHz | RX: 2110 ~ 2155 MHz |
|                 | WCDMA Band 5                                             | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
|                 | LTE Band 2                                               | TX: 1850 ~ 1910 MHz | RX: 1930 ~ 1990 MHz |
|                 | LTE Band 4                                               | TX: 1710 ~ 1755 MHz | RX: 2110 ~ 2115 MHz |
|                 | LTE Band 5                                               | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
|                 | LTE Band 7                                               | TX: 2500 ~ 2570 MHz | RX: 2620 ~ 2690 MHz |
|                 | LTE Band 12                                              | TX: 699 ~ 716 MHz   | RX: 729 ~ 746 MHz   |
|                 | LTE Band 13                                              | TX: 777 ~ 787 MHz   | RX: 746 ~ 756 MHz   |
|                 | LTE Band 14                                              | TX: 788 ~ 798 MHz   | RX: 758 ~ 768 MHz   |
|                 | LTE Band 17                                              | TX: 704 ~ 716 MHz   | RX: 734 ~ 746 MHz   |
|                 | LTE Band 25                                              | TX: 1850~1915 MHz   | RX: 1930 ~ 1995 MHz |
|                 | LTE Band 26                                              | TX: 814 ~ 824 MHz   | RX: 859 ~ 869 MHz   |
|                 |                                                          | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
|                 | LTE Band 30                                              | TX: 2305 ~ 2315 MHz | RX: 2350 ~ 2360 MHz |
|                 | LTE Band 66                                              | TX: 1710 ~ 1780 MHz | RX: 2110 ~ 2180 MHz |
|                 | LTE Band 71                                              | TX: 663 ~ 698 MHz   | RX: 617 ~ 652 MHz   |
|                 | LTE Band 38                                              | TX: 2570 ~ 2620 MHz | RX: 2570 ~ 2620 MHz |
|                 | LTE Band 41                                              | TX: 2496 ~ 2690 MHz | RX: 2496 ~ 2690 MHz |
|                 | LTE Band 43                                              | TX: 3700 ~ 3800 MHz | RX: 3700 ~ 3800 MHz |
|                 | NR n2                                                    | TX: 1850 ~ 1910 MHz | RX: 1930 ~ 1990 MHz |
|                 | NR n5                                                    | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |

|              |                                      |                     |                     |
|--------------|--------------------------------------|---------------------|---------------------|
|              | NR n7                                | TX: 2500 ~ 2570 MHz | RX: 2620 ~ 2690 MHz |
|              | NR n12                               | TX: 699 ~ 716 MHz   | RX: 729 ~ 746 MHz   |
|              | NR n13                               | TX: 777 ~ 787 MHz   | RX: 746 ~ 756 MHz   |
|              | NR n14                               | TX: 788 ~ 798 MHz   | RX: 758 ~ 768 MHz   |
|              | NR n25                               | TX: 1850~1915 MHz   | RX: 1930 ~ 1995 MHz |
|              | NR n26                               | TX: 814 ~ 824 MHz   | RX: 859 ~ 869 MHz   |
|              |                                      | TX: 824 ~ 849 MHz   | RX: 869 ~ 894 MHz   |
|              | NR n30                               | TX: 2305 ~ 2315 MHz | RX: 2350 ~ 2360 MHz |
|              | NR n38                               | TX: 2570 ~ 2620 MHz | RX: 2570 ~ 2620 MHz |
|              | NR n41                               | TX: 2496 ~ 2690 MHz | RX: 2496 ~ 2690 MHz |
|              | NR n66                               | TX: 1710 ~ 1780 MHz | RX: 2110 ~ 2180 MHz |
|              | NR n71                               | TX: 663 ~ 698 MHz   | RX: 617 ~ 652 MHz   |
|              | NR n77                               | TX: 3450 ~ 3550 MHz | RX: 3450 ~ 3550 MHz |
|              |                                      | TX: 3700 ~ 3980 MHz | RX: 3700 ~ 3980 MHz |
|              | NR n78                               | TX: 3450 ~ 3550 MHz | RX: 3450 ~ 3550 MHz |
|              |                                      | TX: 3700 ~ 3800 MHz | RX: 3700 ~ 3800 MHz |
|              | 802.11b/g                            | 2412 ~ 2462 MHz     |                     |
|              | 802.11n(HT20/HT40)                   | 2412 ~ 2462 MHz     |                     |
|              | 802.11ax(HE20/HE40)                  | 2412 ~ 2462 MHz     |                     |
|              | 802.11a                              | 5150 ~ 5250 MHz     |                     |
|              |                                      | 5250 ~ 5350 MHz     |                     |
|              |                                      | 5470 ~ 5725 MHz     |                     |
|              |                                      | 5725 ~ 5850 MHz     |                     |
|              | 802.11n(HT20/HT40)                   | 5150 ~ 5250 MHz     |                     |
|              |                                      | 5250 ~ 5350 MHz     |                     |
|              |                                      | 5470 ~ 5725 MHz     |                     |
|              |                                      | 5725 ~ 5850 MHz     |                     |
|              | 802.11ac<br>(VHT20/VHT40/VHT80)      | 5150 ~ 5250 MHz     |                     |
|              |                                      | 5250 ~ 5350 MHz     |                     |
|              |                                      | 5470 ~ 5725 MHz     |                     |
|              |                                      | 5725 ~ 5850 MHz     |                     |
|              | 802.11ax<br>(HE20/HE40/HE80)         | 5150 ~ 5250 MHz     |                     |
|              |                                      | 5250 ~ 5350 MHz     |                     |
|              |                                      | 5470 ~ 5725 MHz     |                     |
|              |                                      | 5725 ~ 5850 MHz     |                     |
|              | 802.11ac(VHT160)/<br>802.11ax(HE160) | 5150 ~ 5250 MHz     |                     |
|              |                                      | 5250 ~ 5350 MHz     |                     |
|              |                                      | 5470 ~ 5725 MHz     |                     |
|              | Bluetooth                            | 2402 ~ 2480 MHz     |                     |
|              | NFC                                  | 13.56 MHz           |                     |
|              | RFID                                 | 902.75 ~ 927.25 MHz |                     |
| Antenna Type | WWAN                                 | PIFA Antenna        |                     |
|              | WIFI                                 | PIFA Antenna        |                     |
|              | Bluetooth                            | PIFA Antenna        |                     |

|                                                                                                                                                                                                                                                                                                                               |                                                     |                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------|
|                                                                                                                                                                                                                                                                                                                               | NFC                                                 | Coil Antenna                                 |
|                                                                                                                                                                                                                                                                                                                               | RFID                                                | PIFA Antenna                                 |
| DTM                                                                                                                                                                                                                                                                                                                           | N/A                                                 |                                              |
| Hotspot Function                                                                                                                                                                                                                                                                                                              | Support                                             |                                              |
| Power Reduction                                                                                                                                                                                                                                                                                                               | Not Support                                         |                                              |
| Exposure Category                                                                                                                                                                                                                                                                                                             | General Population/Uncontrolled exposure            |                                              |
| Product Type                                                                                                                                                                                                                                                                                                                  | Portable Device                                     |                                              |
| EUT Type                                                                                                                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> Production unit | <input type="checkbox"/> Identical prototype |
| <p>Note:</p> <p>1. The device utilizes independent power reduction mechanisms for SAR compliance for the 3/4/5G transmitter for held-to-ear exposure conditions.</p> <p>2. The device utilizes independent power reduction mechanisms for SAR compliance for the 3/4/5G transmitter for near to body exposure conditions.</p> |                                                     |                                              |

### 3 SUMMARY OF TEST RESULT

#### 3.1 Test Standards

| No. | Identity              | Document Title                                                                                                                                                                  |
|-----|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | 47 CFR Part 2.1093    | Radiofrequency radiation exposure evaluation: portable devices                                                                                                                  |
| 2   | ANSI/IEEE C95.1-1992  | IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz                                                      |
| 3   | IEEE Std. 1528-2013   | IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques |
| 4   | KDB 447498 D04 v01    | 447498 D04 Interim General RF Exposure Guidance v01                                                                                                                             |
| 5   | KDB 941225 D01 v03r01 | 3G SAR MEAUREMENT PROCEDURES                                                                                                                                                    |
| 6   | KDB 941225 D05 v02r05 | SAR Evaluation Considerations for LTE Devices                                                                                                                                   |
| 7   | KDB 941225 D06 v02r01 | SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES                                                                                                |
| 8   | KDB 865664 D01 v01r04 | SAR Measurement 100 MHz to 6 GHz                                                                                                                                                |
| 9   | KDB 865664 D02 v01r02 | RF Exposure Reporting                                                                                                                                                           |
| 10  | KDB 248227 D01 v02r02 | SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS                                                                                                                               |

### 3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Table of Exposure Limits:

| Body Position                                                                       | SAR Value (W/Kg)                             |                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|
|                                                                                     | General Population/<br>Uncontrolled Exposure | Occupational/<br>Controlled Exposure |
| Whole-Body SAR<br>(averaged over the entire body)                                   | 0.08                                         | 0.4                                  |
| Partial-Body SAR<br>(averaged over any 1 gram of tissue)                            | 1.60                                         | 8.0                                  |
| SAR for hands, wrists, feet and<br>ankles<br>(averaged over any 10 grams of tissue) | 4.0                                          | 20.0                                 |

**NOTE:**

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

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

### 3.3 Test Result Summary

#### 3.3.1 Highest SAR Values

| Equipment Class | Band         | Maximum Scaled SAR (W/kg) |                  |                |                | Maximum Report SAR (W/kg) |                  |                |                |
|-----------------|--------------|---------------------------|------------------|----------------|----------------|---------------------------|------------------|----------------|----------------|
|                 |              | Head (0mm)                | Body-worn (10mm) | Hotspot (10mm) | Specific (0mm) | Head (0mm)                | Body-worn (10mm) | Hotspot (10mm) | Specific (0mm) |
|                 |              | 1g SAR                    |                  |                | 10g SAR        | 1g SAR                    |                  |                | 10g SAR        |
| PCB             | WCDMA Band 2 | 0.60                      | 0.11             | 0.11           | 0.19           | <b>0.75</b>               | <b>0.79</b>      | <b>0.79</b>    | <b>2.81</b>    |
|                 | WCDMA Band 4 | 0.35                      | 0.07             | 0.07           | 0.32           |                           |                  |                |                |
|                 | WCDMA Band 5 | 0.19                      | 0.28             | 0.28           | 1.23           |                           |                  |                |                |
|                 | LTE Band 2   | 0.19                      | 0.17             | 0.19           | 0.97           |                           |                  |                |                |
|                 | LTE Band 7   | 0.37                      | 0.18             | 0.18           | 0.97           |                           |                  |                |                |
|                 | LTE Band 12  | 0.12                      | 0.19             | 0.19           | 1.14           |                           |                  |                |                |
|                 | LTE Band 13  | 0.19                      | 0.29             | 0.29           | 0.74           |                           |                  |                |                |
|                 | LTE Band 14  | 0.23                      | 0.21             | 0.21           | 0.80           |                           |                  |                |                |
|                 | LTE Band 25  | 0.52                      | 0.16             | 0.17           | 0.85           |                           |                  |                |                |
|                 | LTE Band 26  | 0.23                      | 0.30             | 0.30           | 1.32           |                           |                  |                |                |
|                 | LTE Band 30  | 0.38                      | 0.64             | 0.64           | 0.84           |                           |                  |                |                |
|                 | LTE Band 66  | 0.40                      | 0.21             | 0.21           | 1.14           |                           |                  |                |                |
|                 | LTE Band 71  | 0.14                      | 0.27             | 0.27           | 1.21           |                           |                  |                |                |
|                 | LTE Band 41  | 0.42                      | 0.32             | 0.32           | 0.66           |                           |                  |                |                |
|                 | LTE Band 43  | 0.60                      | 0.43             | 0.43           | 0.95           |                           |                  |                |                |
|                 | NR n2        | 0.34                      | <b>0.79</b>      | <b>0.79</b>    | 2.79           |                           |                  |                |                |
|                 | NR n5        | 0.12                      | 0.26             | 0.26           | 1.61           |                           |                  |                |                |
|                 | NR n7        | 0.49                      | 0.72             | 0.72           | <b>2.81</b>    |                           |                  |                |                |
|                 | NR n12       | 0.08                      | 0.35             | 0.35           | 1.51           |                           |                  |                |                |
|                 | NR n13       | 0.10                      | 0.35             | 0.35           | 1.40           |                           |                  |                |                |
|                 | NR n14       | 0.09                      | 0.24             | 0.24           | 0.85           |                           |                  |                |                |
|                 | NR n25       | 0.31                      | 0.69             | 0.69           | 2.54           |                           |                  |                |                |
|                 | NR n26       | 0.11                      | 0.29             | 0.29           | 1.15           |                           |                  |                |                |
|                 | NR n30       | 0.58                      | 0.53             | 0.53           | 1.73           |                           |                  |                |                |
|                 | NR n66       | 0.56                      | 0.23             | 0.23           | 1.30           |                           |                  |                |                |
|                 | NR n71       | 0.09                      | 0.14             | 0.16           | 1.19           |                           |                  |                |                |
|                 | NR n38       | 0.40                      | 0.54             | 0.54           | 1.10           |                           |                  |                |                |
|                 | NR n41       | 0.38                      | 0.10             | 0.14           | 1.17           |                           |                  |                |                |
|                 | NR n77       | <b>0.75</b>               | 0.18             | 0.29           | 0.85           |                           |                  |                |                |
|                 | NR n78       | 0.32                      | 0.18             | 0.28           | 0.78           |                           |                  |                |                |
| DTS             | 2.4G WIFI    | 0.05                      | 0.06             | 0.06           | 0.14           |                           |                  |                |                |
| NII             | 5.2G WIFI    | /                         | /                | 0.67           | /              |                           |                  |                |                |
|                 | 5.3G WIFI    | 0.37                      | 0.05             | /              | 0.37           |                           |                  |                |                |
|                 | 5.6 G WIFI   | 0.40                      | 0.06             | /              | 0.44           |                           |                  |                |                |
|                 | 5.8 G WIFI   | 0.09                      | 0.12             | 0.12           | /              |                           |                  |                |                |
| DSS             | Bluetooth    | 0.04                      | /                | 0.06           | 0.14           |                           |                  |                |                |
| RFID            | UHF          | /                         | /                | /              | 1.86           |                           |                  |                |                |

|                                                                                                                                                                                                                                                                                                                                                                             |      |      |      |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|
| Limit (W/kg)                                                                                                                                                                                                                                                                                                                                                                | 1.60 | 4.00 | 1.60 | 4.00 |
| Verdict                                                                                                                                                                                                                                                                                                                                                                     | Pass |      |      |      |
| Note: This device supports both LTE Band 4/5/17/38 and Band 66/26/12/41. Since the supported frequency span for LTE Band 4/5/17/38 falls completely within the supports frequency span for LTE Band 66/26/12/41, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE Band 66/26/12/41. |      |      |      |      |

### 3.3.2 Highest Simultaneous Transmission SAR Values

| Equipment Class                                             | Maximum Scaled SAR (W/kg) |                  |                |                |
|-------------------------------------------------------------|---------------------------|------------------|----------------|----------------|
|                                                             | Head (0mm)                | Body-worn (10mm) | Hotspot (10mm) | Specific (0mm) |
|                                                             | 1g SAR                    |                  |                | 10g SAR        |
| PCB                                                         | 1.44                      | 0.96             | 0.96           | 3.84           |
| DTS                                                         | 1.04                      | 0.84             | 0.84           | 3.54           |
| NII                                                         | 1.44                      | 0.96             | 0.96           | 3.84           |
| DSS                                                         | 1.44                      | 0.96             | 0.96           | 3.84           |
| Limit (W/Kg)                                                | 1.60                      |                  |                | 4.00           |
| Verdict                                                     | Pass                      |                  |                |                |
| Note: The highest simultaneous SAR please refer section 13. |                           |                  |                |                |

### 3.4 Test Uncertainty

According to KDB 865664 D01, When the highest measured 1 g SAR within a frequency band is  $< 1.5$  W/kg, the extensive SAR measurement uncertainty analysis is not required in SAR reports submitted for equipment approval.

The maximum 1 g SAR for the EUT in this report is 0.79 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.81 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

## 4 MEASUREMENT SYSTEM

### 4.1 Specific Absorption Rate (SAR) Definition

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density ( $\rho$ ). The equation description is as below:

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

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

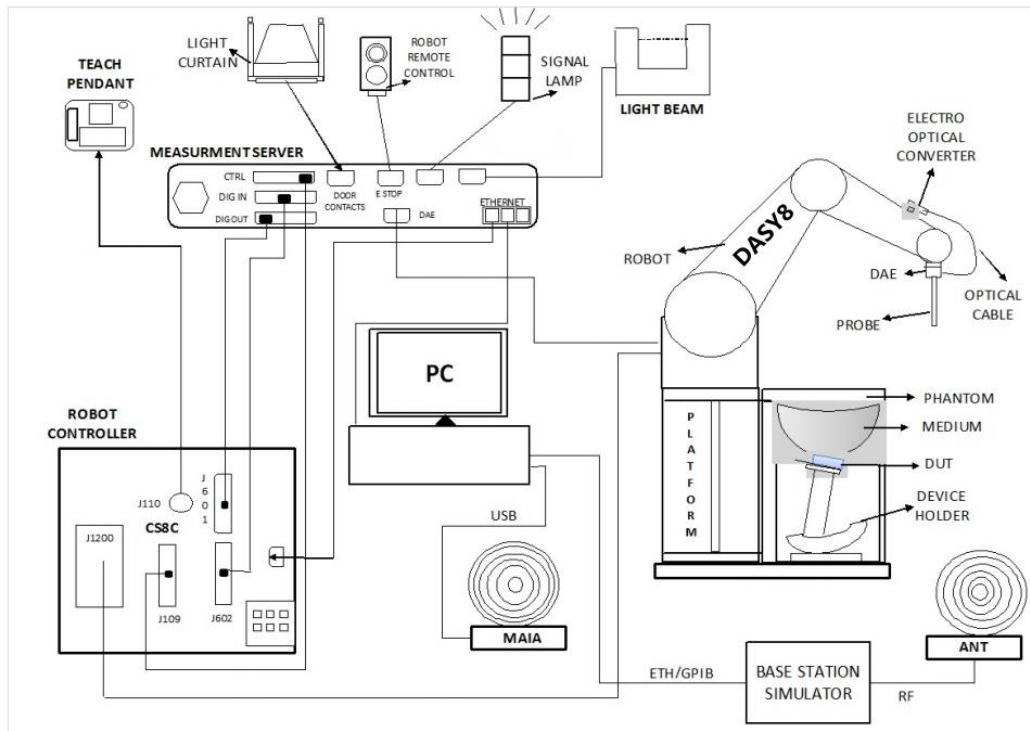
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where:  $\sigma$  is the conductivity of the tissue,

$\rho$  is the mass density of the tissue and E is the RMS electrical field strength.

## 4.2 DASY SAR System

### 4.2.1 DASY SAR System Diagram



The DASY system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

#### 4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:



- High precision  
(repeatability  $\pm 0.02$  mm)
- High reliability  
(industrial design)
- Low maintenance costs  
(virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements  
(brush less synchron motors; no stepper motors)
- Low ELF interference  
(motor control \_elds shielded via the closed metallic construction shields)

### 4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4 with following specifications is used.

|               |                                                                                                                                                                                                                     |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction  | Symmetrical design with triangular core Built-in optical fiber for surface detection system<br>Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether) |
| Calibration   | ISO/IEC 17025 calibration service available                                                                                                                                                                         |
| Frequency     | 4 MHz to 10 GHz; Linearity: $\pm 0.2$ dB                                                                                                                                                                            |
| Directivity   | $\pm 0.2$ dB in HSL (rotation around probe axis) ; $\pm 0.4$ dB in HSL (rotation normal to probe axis)                                                                                                              |
| Dynamic range | 5 $\mu$ W/g to > 100 mW/g; Linearity: $\pm 0.2$ dB                                                                                                                                                                  |
| Dimensions    | Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm                                                                                             |
| Application   | General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)                                                                                              |

#### E-Field Probe Calibration Process

Probe calibration is realized, in compliance with IEC/IEEE 62209-1528 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the IEC/IEEE 62209-1528 annexe technique using reference guide at the five frequencies.

#### 4.2.4 Data Acquisition Electronics

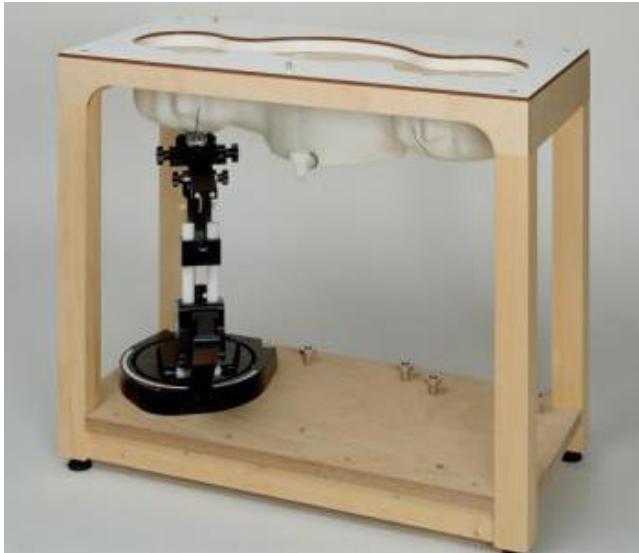
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.



- Input Impedance: 200M $\Omega$ m
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

#### 4.2.5 Phantoms

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



- Left head
- Right head
- Flat phantom



#### 4.2.6 Device Holder

The DASY device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of  $65^\circ$ . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA"s only. If necessary an additional support of polystyrene material is used. Larger DUT"s (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.



The positioning system allows obtaining cheek and tilting position with a very good accuracy. Incompliance with CENELEC, the tilt angle uncertainty is lower than  $1^\circ$ .

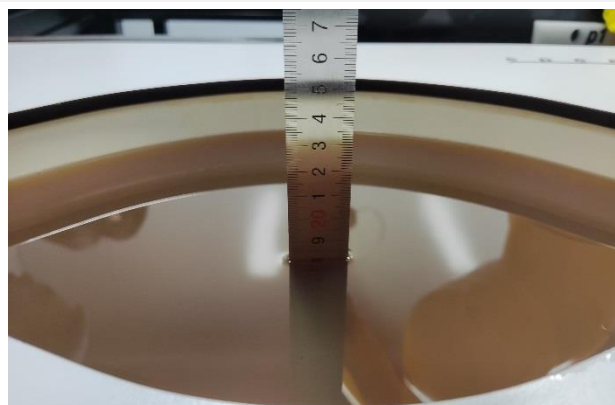
#### 4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.

**Head Liquid Depth**



**Body Liquid Depth**



The following table gives the recipes for tissue simulating liquid.

| TSL           | Manufacturer / Model  | Freq Range (MHz) | Main Ingredients                                                                                         |
|---------------|-----------------------|------------------|----------------------------------------------------------------------------------------------------------|
| Head WideBand | SPEAG HBBL600-10000V6 | 600-10000        | Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol |

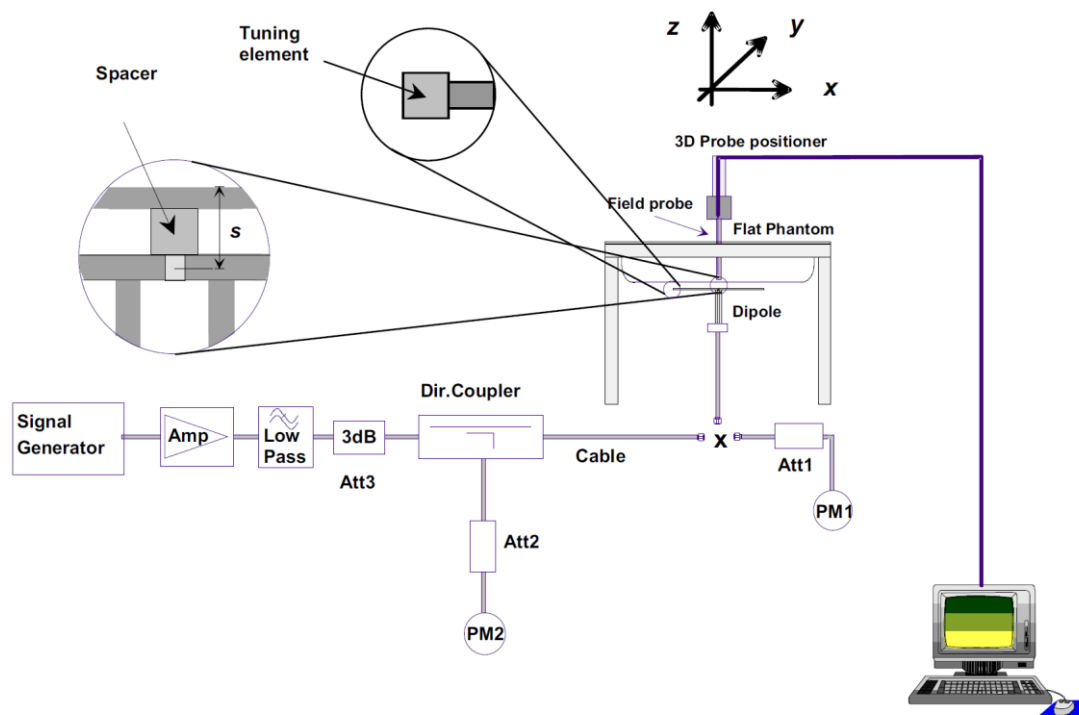
## 5 SYSTEM VERIFICATION

### 5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

### 5.2 System Check Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:



## 6 TEST POSITION CONFIGURATIONS

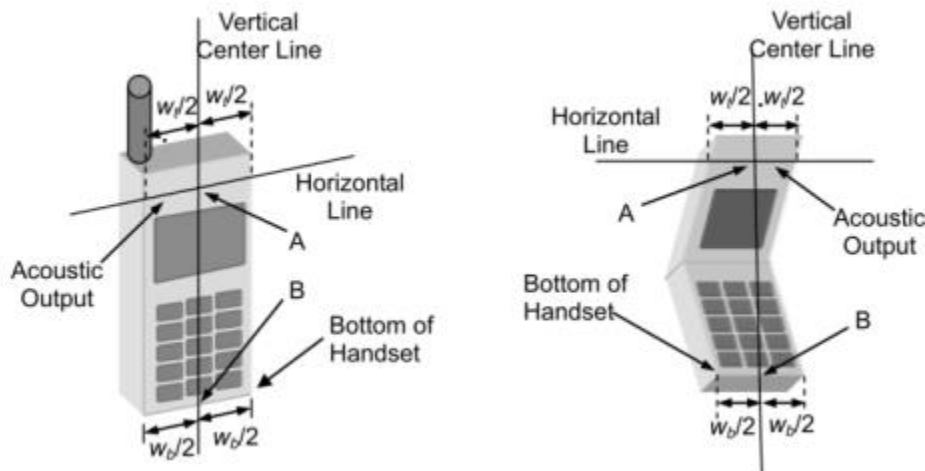
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

### 6.1 Head Exposure Conditions

Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

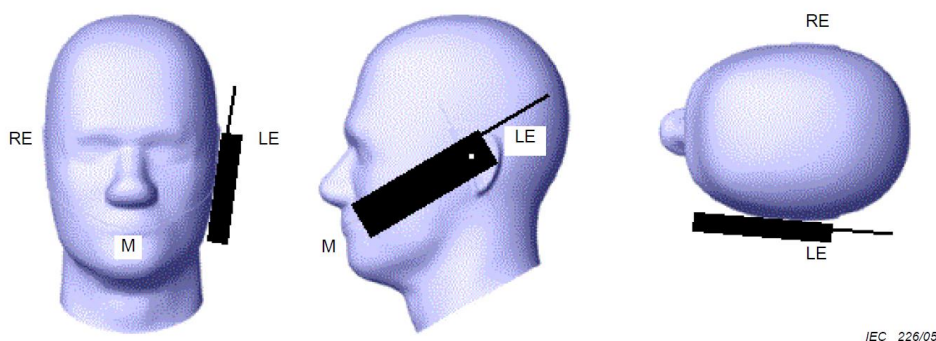
#### 6.1.1 Two Imaginary Lines on the Handset

- The vertical center line passes through two points on the front side of the handset - the midpoint of the width  $w_t$  of the handset at the level of the acoustic output, and the midpoint of the width  $w_b$  of the bottom of the handset.
- The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



### 6.1.2 Cheek Position

- (a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- (b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



### 6.1.3 Tilted Position

- (a) To position the device in the “cheek” position described above.
- (b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

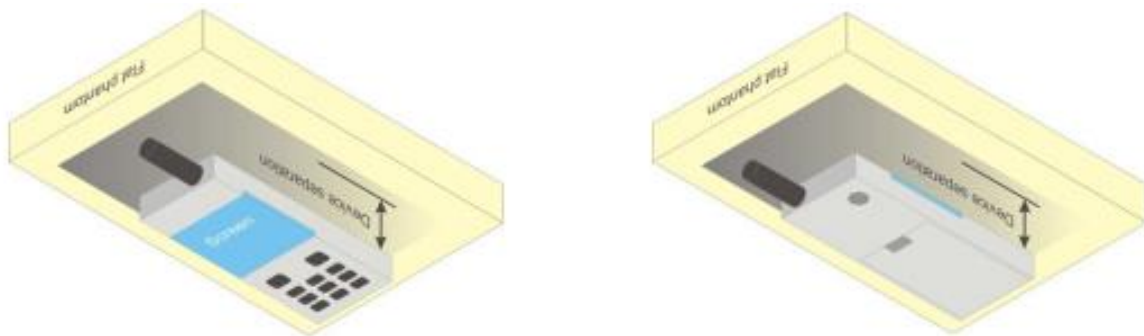


## 6.2 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory.

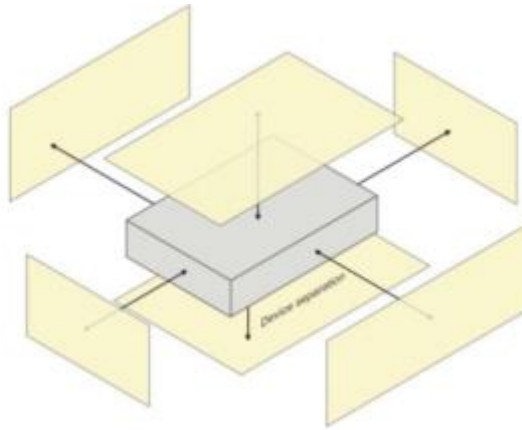
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required. A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance  $\leq 5$  mm to support compliance.



### 6.3 Hotspot Mode Exposure Position Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



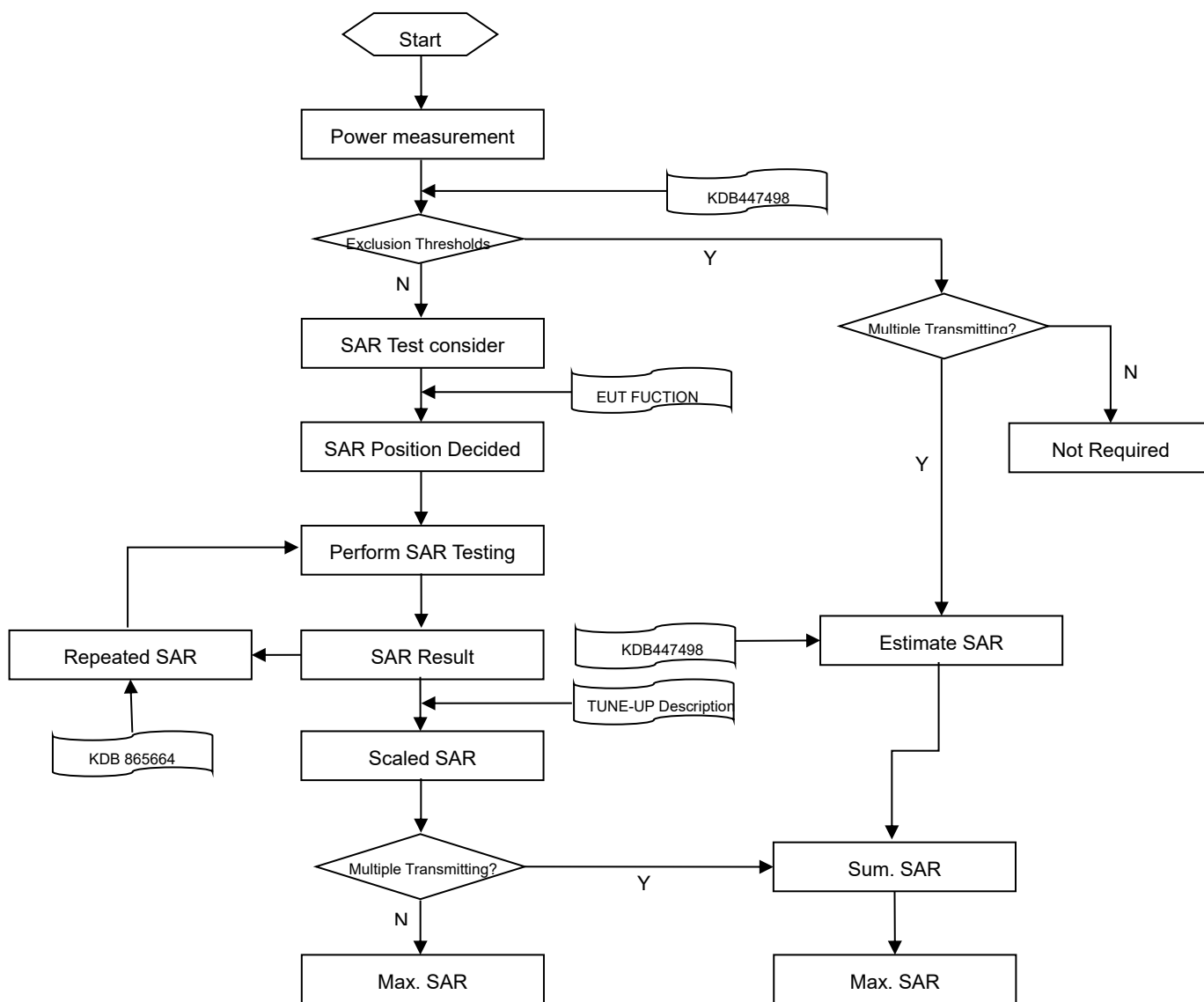
### 6.4 Product Specific 10g Exposure Consideration

According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at  $\leq 25$  mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

## 7 MEASUREMENT PROCEDURE

### 7.1 Measurement Process Diagram



## 7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

|                                                                                                        |                           |                                                                | ≤3GHz                                                                                                                                                                                                                                                             | >3GHz                                              |
|--------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface |                           |                                                                | 5±1 mm                                                                                                                                                                                                                                                            | $\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location              |                           |                                                                | 30°±1°                                                                                                                                                                                                                                                            | 20°±1°                                             |
| Maximum area scan spatial resolution: Δx Area , Δy Area                                                |                           |                                                                | ≤ 2 GHz: ≤ 15 mm<br>2 – 3 GHz: ≤ 12 mm                                                                                                                                                                                                                            | 3–4 GHz: ≤ 12 mm<br>4 – 6 GHz: ≤ 10 mm             |
|                                                                                                        |                           |                                                                | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device. |                                                    |
| Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom                                                |                           |                                                                | ≤ 2 GHz: ≤ 8 mm<br>2 – 3 GHz: ≤ 5 mm*                                                                                                                                                                                                                             | 3–4 GHz: ≤ 5 mm*<br>4 – 6 GHz: ≤ 4 mm*             |
| Maximum zoom scan spatial resolution, normal to phantom surface                                        | uniform grid: Δz Zoom (n) |                                                                | ≤ 5 mm                                                                                                                                                                                                                                                            | 3–4 GHz: ≤ 4 mm                                    |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 4–5 GHz: ≤ 3 mm                                    |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 5–6 GHz: ≤ 2 mm                                    |
|                                                                                                        | graded grid               | Δz Zoom (1): between 1st two points closest to phantom surface | ≤ 4 mm                                                                                                                                                                                                                                                            | 3–4 GHz: ≤ 3 mm                                    |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 4–5 GHz: ≤ 2.5 mm                                  |
|                                                                                                        |                           | Δz Zoom (n>1): between subsequent points                       | ≤ 1.5·Δz Zoom (n-1)                                                                                                                                                                                                                                               |                                                    |
| Minimum zoom scan volume                                                                               | x, y, z                   |                                                                | ≥30 mm                                                                                                                                                                                                                                                            | 3–4 GHz: ≥ 28 mm                                   |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 4–5 GHz: ≥ 25 mm                                   |
|                                                                                                        |                           |                                                                |                                                                                                                                                                                                                                                                   | 5–6 GHz: ≥ 22 mm                                   |

### Note:

1.  $\delta$  is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. \* When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is  $\leq 1.4$  W/kg,  $\leq 8$  mm,  $\leq 7$  mm and  $\leq 5$  mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

## 7.3 Measurement Procedure

The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm \* 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 \* 30 \* 30 mm or 32 \* 32 \* 32 mm is assessed by measuring 5 or 8 \* 5 or 8\*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

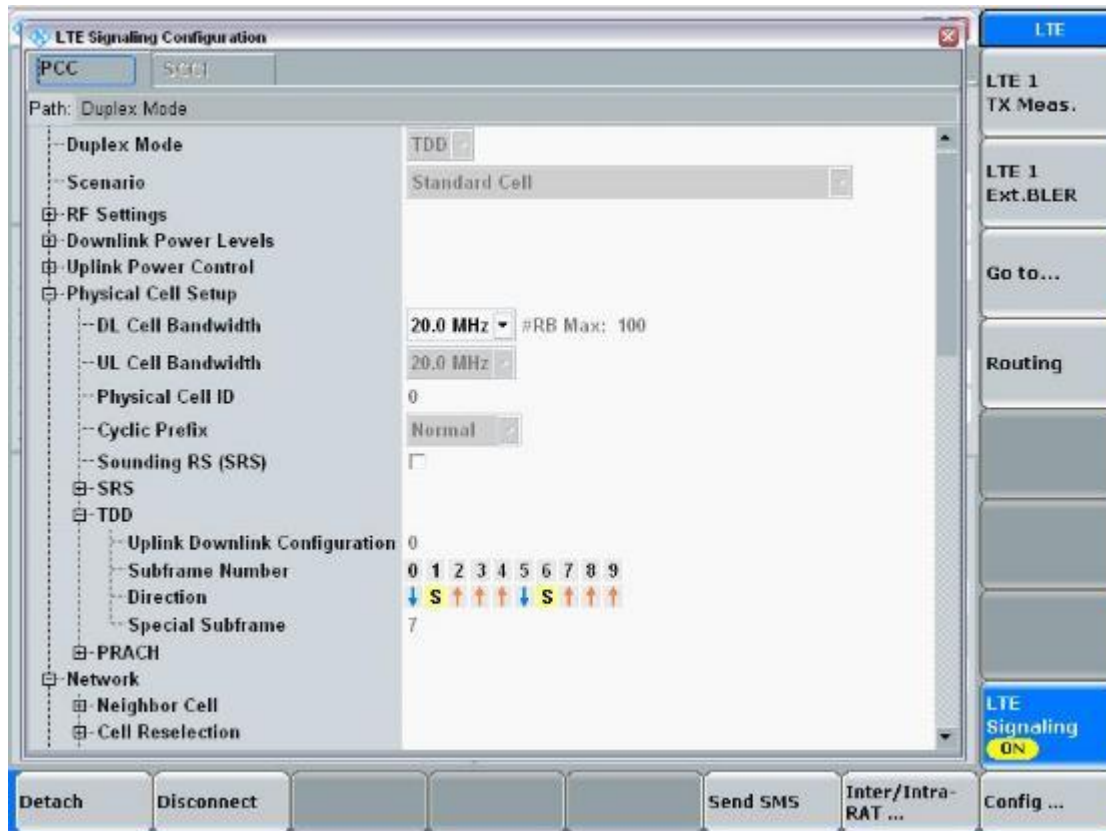
## 7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

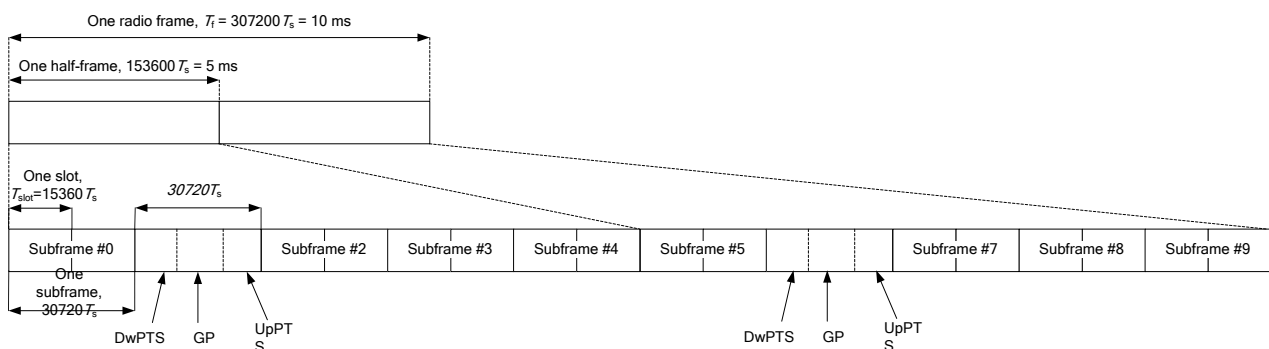
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

## 7.5 LTE (TDD) Considerations

During TDD-LTE SAR testing, the EUT was commanded to transmit on maximum output power and maximum transmitting bandwidth. The uplink and downlink slot configuration as below in one radio frame.



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length ( $T_f = 307200 \cdot T_s = 10\text{ms}$ ) of two half-frames of length ( $153600 \cdot T_s = 5\text{ms}$ ). Each half-frame consists of five sub-frames of length ( $30720 \cdot T_s = 1\text{ms}$ )



And the special sub-frame with the three fields DwPTS, GP and UpPTS.

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to  $30720 \cdot T_s = 1\text{ms}$ .

### Configuration of special sub-frame (lengths of DwPTS/GP/UpPTS)

| Special sub-frame configuration | Normal cyclic prefix in downlink |                                |                                  | Extended cyclic prefix in downlink |                                |                                  |
|---------------------------------|----------------------------------|--------------------------------|----------------------------------|------------------------------------|--------------------------------|----------------------------------|
|                                 | DwPTS                            | UpPTS                          |                                  | DwPTS                              | UpPTS                          |                                  |
|                                 |                                  | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |                                    | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| 0                               | $6592 \cdot T_s$                 | $2192 \cdot T_s$               | $2560 \cdot T_s$                 | $7680 \cdot T_s$                   | $2192 \cdot T_s$               | $2560 \cdot T_s$                 |
| 1                               | $19760 \cdot T_s$                |                                |                                  | $20480 \cdot T_s$                  |                                |                                  |
| 2                               | $21592 \cdot T_s$                |                                |                                  | $23040 \cdot T_s$                  |                                |                                  |
| 3                               | $24144 \cdot T_s$                |                                |                                  | $25600 \cdot T_s$                  |                                |                                  |
| 4                               | $26336 \cdot T_s$                | $4384 \cdot T_s$               | $5120 \cdot T_s$                 | $7680 \cdot T_s$                   | $2560 \cdot T_s$               | $5120 \cdot T_s$                 |
| 5                               | $6592 \cdot T_s$                 |                                |                                  | $20480 \cdot T_s$                  |                                |                                  |
| 6                               | $19760 \cdot T_s$                |                                |                                  | $23040 \cdot T_s$                  |                                |                                  |
| 7                               | $21592 \cdot T_s$                |                                |                                  | $12800 \cdot T_s$                  | -                              | -                                |
| 8                               | $24144 \cdot T_s$                |                                |                                  | -                                  |                                |                                  |
| 9                               | $13168 \cdot T_s$                |                                |                                  | -                                  |                                |                                  |

For special sub-frame uplink time we used the largest cyclic prefix for duty cycle calculate;

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)\* time of one sub-frame= $5120 \cdot T_s / 30720 \cdot T_s \cdot 1\text{ms} = 0.167\text{ms}$

One radio frame with 6 uplink sub-frames and two special sub-frame,

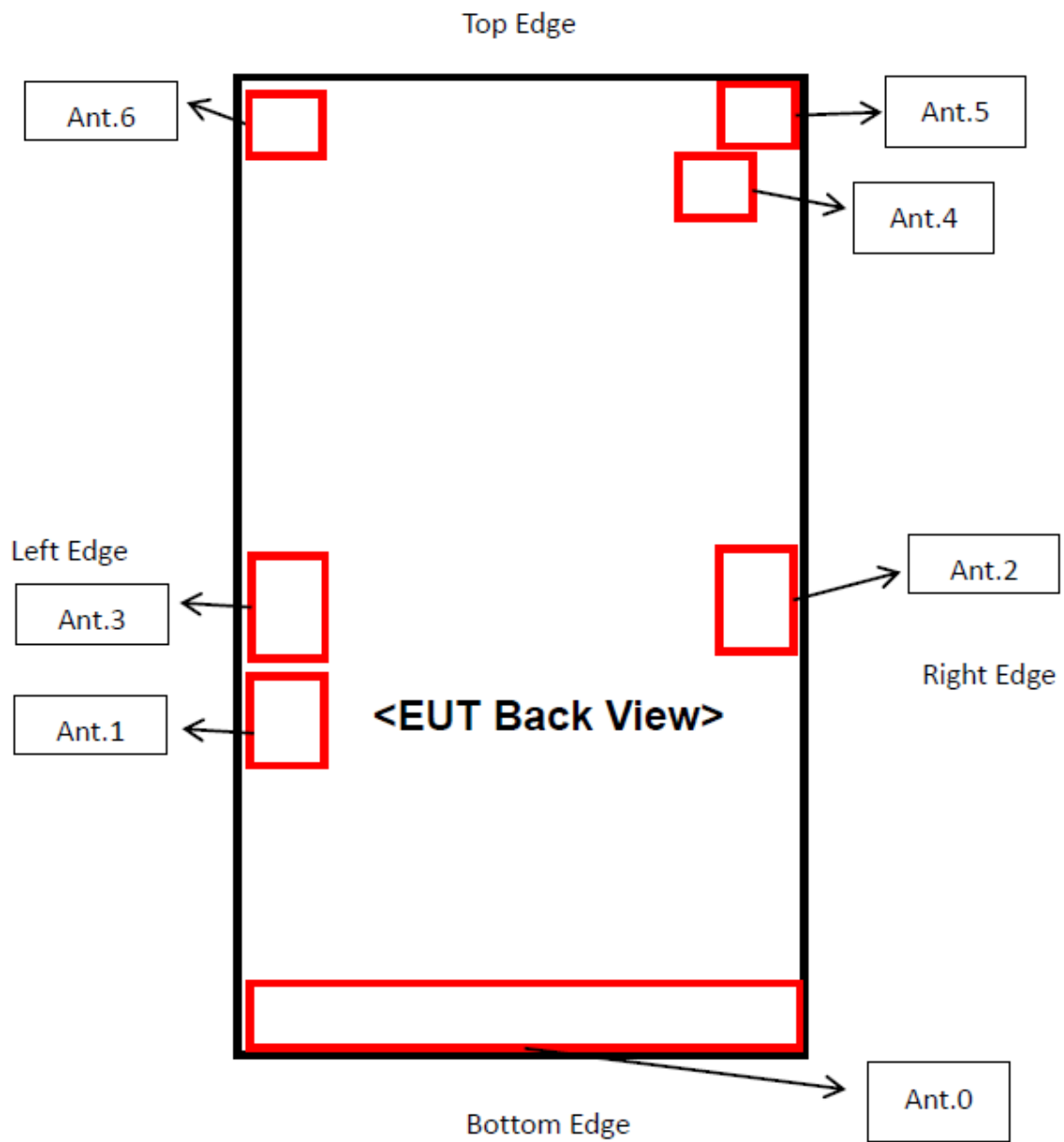
there for the maximum Uplink time in one radio frame is:  **$6 \cdot 1\text{ ms} + 2 \cdot 0.167\text{ ms} = 6.334\text{ms}$**

So, the duty cycle for TDD-LTE is:  **$6.334\text{ms} / 10\text{ms} = 1: 1.58$**

## 8 CONDUCTED RF OUTPUT POWER

Please refer the document “BL-SZ2561465-AP.pdf”.

## 9 TEST EXCLUSION CONSIDERATION



| Antenna | Support Bands                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------|
| Ant. 0  | WCDMA Band 2/4/5<br>LTE Band 2/4/5/7/12/13/14/17/25/26/30/66/71/38/41<br>NR n2/n5/n7/n12/n13/n14/n25/n26/n30/n38/n66/n71 |
| Ant. 1  | LTE Band 43<br>NR n77/78                                                                                                 |
| Ant.2   | LTE Band 2/7/66<br>NR n2/n7/n66                                                                                          |
| Ant.3   | NR n41                                                                                                                   |
| Ant.4   | RFID                                                                                                                     |
| Ant.5   | WIFI2.4G/5G<br>Bluetooth                                                                                                 |
| Ant.6   | WIFI2.4G/5G<br>Bluetooth                                                                                                 |

| Antenna | Front Side (mm) | Back Side (mm) | Left Edge (mm) | Right Edge (mm) | Top Edge (mm) | Bottom Edge (mm) |
|---------|-----------------|----------------|----------------|-----------------|---------------|------------------|
| Ant.0   | <25             | <25            | <25            | <25             | >25           | <25              |
| Ant.1   | <25             | <25            | <25            | >25             | >25           | >25              |
| Ant.2   | <25             | <25            | >25            | <25             | >25           | >25              |
| Ant.3   | <25             | <25            | <25            | >25             | >25           | >25              |
| Ant.4   | <25             | <25            | >25            | <25             | <25           | >25              |
| Ant.5   | <25             | <25            | >25            | <25             | <25           | >25              |
| Ant.6   | <25             | <25            | <25            | >25             | <25           | >25              |

Note: Per KDB 941225 D06, When the overall length and width of a device is > 9 cm \*5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

10 TEST RESULT

10.1WCDMA Band 2

| Antenna                                                                        | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 1g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-up power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|------|-------------|------------|------|-------------|------------------|--------------------|-------------------|--------------------------|----------------|----------------------|-----------|
| Head                                                                           |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |
| ANT0                                                                           | RMC  | Left Cheek  | 0          | 9400 | 1880        | -0.02            | 0.532              | 23.50             | 24.00                    | 1.122          | 0.597                | 1#        |
| ANT0                                                                           | RMC  | Left Tilt   | 0          | 9400 | 1880        | -0.01            | 0.205              | 23.50             | 24.00                    | 1.122          | 0.230                | /         |
| ANT0                                                                           | RMC  | Right Cheek | 0          | 9400 | 1880        | -0.09            | 0.253              | 23.50             | 24.00                    | 1.122          | 0.284                | /         |
| ANT0                                                                           | RMC  | Right Tilt  | 0          | 9400 | 1880        | 0.09             | 0.245              | 23.50             | 24.00                    | 1.122          | 0.275                | /         |
| Body-Worn&Hotspot                                                              |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |
| ANT0                                                                           | RMC  | Front Side  | 10         | 9400 | 1880        | 0.14             | 0.101              | 23.50             | 24.00                    | 1.122          | 0.113                | 2#        |
| ANT0                                                                           | RMC  | Back Side   | 10         | 9400 | 1880        | 0.10             | 0.095              | 23.50             | 24.00                    | 1.122          | 0.107                | /         |
| ANT0                                                                           | RMC  | Left Edge   | 10         | 9400 | 1880        | 0.15             | 0.013              | 23.50             | 24.00                    | 1.122          | 0.015                | /         |
| ANT0                                                                           | RMC  | Right Edge  | 10         | 9400 | 1880        | 0.18             | 0.088              | 23.50             | 24.00                    | 1.122          | 0.099                | /         |
| ANT0                                                                           | RMC  | Bottom Edge | 10         | 9400 | 1880        | 0.09             | 0.079              | 23.50             | 24.00                    | 1.122          | 0.089                | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |

| Antenna                                                                        | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 10g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-up power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|------|-------------|------------|------|-------------|------------------|---------------------|-------------------|--------------------------|----------------|-----------------------|-----------|
| Extremity                                                                      |      |             |            |      |             |                  |                     |                   |                          |                |                       |           |
| ANT0                                                                           | RMC  | Front Side  | 0          | 9400 | 1880        | 0.06             | 0.166               | 23.50             | 24.00                    | 1.122          | 0.186                 | 3#        |
| ANT0                                                                           | RMC  | Back Side   | 0          | 9400 | 1880        | -0.01            | 0.111               | 23.50             | 24.00                    | 1.122          | 0.125                 | /         |
| ANT0                                                                           | RMC  | Left Edge   | 0          | 9400 | 1880        | 0.01             | 0.005               | 23.50             | 24.00                    | 1.122          | 0.006                 | /         |
| ANT0                                                                           | RMC  | Right Edge  | 0          | 9400 | 1880        | -0.02            | 0.106               | 23.50             | 24.00                    | 1.122          | 0.119                 | /         |
| ANT0                                                                           | RMC  | Bottom Edge | 0          | 9400 | 1880        | -0.06            | 0.118               | 23.50             | 24.00                    | 1.122          | 0.132                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |            |      |             |                  |                     |                   |                          |                |                       |           |

10.2WCDMA Band 4

| Antenna                                                                        | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 1g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-up power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|------|-------------|------------|------|-------------|------------------|--------------------|-------------------|--------------------------|----------------|----------------------|-----------|
| Head                                                                           |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |
| ANT0                                                                           | RMC  | Left Cheek  | 0          | 1312 | 1712.4      | -0.07            | 0.306              | 23.48             | 24.00                    | 1.127          | 0.345                | 4#        |
| ANT0                                                                           | RMC  | Left Tilt   | 0          | 1312 | 1712.4      | 0.12             | 0.149              | 23.48             | 24.00                    | 1.127          | 0.168                | /         |
| ANT0                                                                           | RMC  | Right Cheek | 0          | 1312 | 1712.4      | 0.01             | 0.195              | 23.48             | 24.00                    | 1.127          | 0.220                | /         |
| ANT0                                                                           | RMC  | Right Tilt  | 0          | 1312 | 1712.4      | -0.15            | 0.147              | 23.48             | 24.00                    | 1.127          | 0.166                | /         |
| Body-Worn&Hotspot                                                              |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |
| ANT0                                                                           | RMC  | Front Side  | 10         | 1312 | 1712.4      | -0.01            | 0.060              | 23.48             | 24.00                    | 1.127          | 0.068                | 5#        |
| ANT0                                                                           | RMC  | Back Side   | 10         | 1312 | 1712.4      | -0.04            | 0.049              | 23.48             | 24.00                    | 1.127          | 0.055                | /         |
| ANT0                                                                           | RMC  | Left Edge   | 10         | 1312 | 1712.4      | -0.14            | 0.015              | 23.48             | 24.00                    | 1.127          | 0.017                | /         |
| ANT0                                                                           | RMC  | Right Edge  | 10         | 1312 | 1712.4      | 0.13             | 0.043              | 23.48             | 24.00                    | 1.127          | 0.048                | /         |
| ANT0                                                                           | RMC  | Bottom Edge | 10         | 1312 | 1712.4      | -0.17            | 0.041              | 23.48             | 24.00                    | 1.127          | 0.046                | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |

| Antenna                                                                        | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 10g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-up power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|------|-------------|------------|------|-------------|------------------|---------------------|-------------------|--------------------------|----------------|-----------------------|-----------|
| Extremity                                                                      |      |             |            |      |             |                  |                     |                   |                          |                |                       |           |
| ANT0                                                                           | RMC  | Front Side  | 0          | 1312 | 1712.4      | -0.10            | 0.286               | 23.48             | 24.00                    | 1.127          | 0.322                 | 6#        |
| ANT0                                                                           | RMC  | Back Side   | 0          | 1312 | 1712.4      | -0.16            | 0.146               | 23.48             | 24.00                    | 1.127          | 0.165                 | /         |
| ANT0                                                                           | RMC  | Left Edge   | 0          | 1312 | 1712.4      | -0.09            | 0.017               | 23.48             | 24.00                    | 1.127          | 0.019                 | /         |
| ANT0                                                                           | RMC  | Right Edge  | 0          | 1312 | 1712.4      | -0.16            | 0.168               | 23.48             | 24.00                    | 1.127          | 0.189                 | /         |
| ANT0                                                                           | RMC  | Bottom Edge | 0          | 1312 | 1712.4      | -0.19            | 0.181               | 23.48             | 24.00                    | 1.127          | 0.204                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |            |      |             |                  |                     |                   |                          |                |                       |           |

## 10.3WCDMA Band 5

| Antenna                                                                        | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 1g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-up power (dBm) | Scaling Factor | 1g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|------|-------------|------------|------|-------------|------------------|--------------------|-------------------|--------------------------|----------------|----------------------|-----------|
| Head                                                                           |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |
| ANT0                                                                           | RMC  | Left Cheek  | 0          | 4132 | 826.4       | 0.00             | 0.119              | 23.35             | 24.00                    | 1.161          | 0.139                | /         |
| ANT0                                                                           | RMC  | Left Tilt   | 0          | 4132 | 826.4       | 0.03             | 0.077              | 23.35             | 24.00                    | 1.161          | 0.090                | /         |
| ANT0                                                                           | RMC  | Right Cheek | 0          | 4132 | 826.4       | -0.01            | 0.164              | 23.35             | 24.00                    | 1.161          | <b>0.190</b>         | 7#        |
| ANT0                                                                           | RMC  | Right Tilt  | 0          | 4132 | 826.4       | 0.11             | 0.081              | 23.35             | 24.00                    | 1.161          | 0.094                | /         |
| Body-Worn&Hotspot                                                              |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |
| ANT0                                                                           | RMC  | Front Side  | 10         | 4132 | 826.4       | -0.02            | 0.242              | 23.35             | 24.00                    | 1.161          | <b>0.281</b>         | 8#        |
| ANT0                                                                           | RMC  | Back Side   | 10         | 4132 | 826.4       | -0.03            | 0.202              | 23.35             | 24.00                    | 1.161          | 0.235                | /         |
| ANT0                                                                           | RMC  | Left Edge   | 10         | 4132 | 826.4       | -0.17            | 0.152              | 23.35             | 24.00                    | 1.161          | 0.176                | /         |
| ANT0                                                                           | RMC  | Right Edge  | 10         | 4132 | 826.4       | 0.13             | 0.075              | 23.35             | 24.00                    | 1.161          | 0.087                | /         |
| ANT0                                                                           | RMC  | Bottom Edge | 10         | 4132 | 826.4       | -0.14            | 0.115              | 23.35             | 24.00                    | 1.161          | 0.133                | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |            |      |             |                  |                    |                   |                          |                |                      |           |

| Antenna                                                                        | Mode | Position    | Dist. (mm) | Ch.  | Freq. (MHz) | Power Drift (dB) | 10g Meas SAR (W/kg) | Meas. Power (dBm) | Max. tune-up power (dBm) | Scaling Factor | 10g Scaled SAR (W/kg) | Meas. No. |
|--------------------------------------------------------------------------------|------|-------------|------------|------|-------------|------------------|---------------------|-------------------|--------------------------|----------------|-----------------------|-----------|
| Extremity                                                                      |      |             |            |      |             |                  |                     |                   |                          |                |                       |           |
| ANT0                                                                           | RMC  | Front Side  | 0          | 4132 | 826.4       | -0.01            | 1.060               | 23.35             | 24.00                    | 1.161          | <b>1.231</b>          | 9#        |
| ANT0                                                                           | RMC  | Back Side   | 0          | 4132 | 826.4       | -0.03            | 0.844               | 23.35             | 24.00                    | 1.161          | 0.981                 | /         |
| ANT0                                                                           | RMC  | Left Edge   | 0          | 4132 | 826.4       | 0.03             | 0.104               | 23.35             | 24.00                    | 1.161          | 0.121                 | /         |
| ANT0                                                                           | RMC  | Right Edge  | 0          | 4132 | 826.4       | 0.02             | 0.172               | 23.35             | 24.00                    | 1.161          | 0.199                 | /         |
| ANT0                                                                           | RMC  | Bottom Edge | 0          | 4132 | 826.4       | 0.02             | 0.320               | 23.35             | 24.00                    | 1.161          | 0.372                 | /         |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |            |      |             |                  |                     |                   |                          |                |                       |           |

## 10.4LTE Band 2 (20MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 18900 | 1880           | 1       | MID      | -0.04               | 0.181                    | 23.80                   | 24.00                             | 1.047             | <b>0.190</b>                  | 110#         |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 18900 | 1880           | 1       | MID      | 0.15                | 0.073                    | 23.80                   | 24.00                             | 1.047             | 0.076                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 18900 | 1880           | 1       | MID      | -0.14               | 0.093                    | 23.80                   | 24.00                             | 1.047             | 0.097                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 18900 | 1880           | 1       | MID      | 0.02                | 0.074                    | 23.80                   | 24.00                             | 1.047             | 0.077                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 18900 | 1880           | 50      | HIGH     | -0.19               | 0.148                    | 22.49                   | 23.00                             | 1.125             | 0.166                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 18900 | 1880           | 50      | HIGH     | 0.15                | 0.059                    | 22.49                   | 23.00                             | 1.125             | 0.066                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 18900 | 1880           | 50      | HIGH     | 0.08                | 0.073                    | 22.49                   | 23.00                             | 1.125             | 0.082                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 18900 | 1880           | 50      | HIGH     | 0.03                | 0.061                    | 22.49                   | 23.00                             | 1.125             | 0.069                         | /            |
| ANT2                                                                           | QPSK | Left Cheek  | 0             | 18900 | 1880           | 1       | HIGH     | 0.11                | 0.031                    | 23.39                   | 24.00                             | 1.151             | 0.036                         | /            |
| ANT2                                                                           | QPSK | Left Tilt   | 0             | 18900 | 1880           | 1       | HIGH     | -0.14               | 0.021                    | 23.39                   | 24.00                             | 1.151             | 0.024                         | /            |
| ANT2                                                                           | QPSK | Right Cheek | 0             | 18900 | 1880           | 1       | HIGH     | 0.02                | 0.023                    | 23.39                   | 24.00                             | 1.151             | 0.026                         | /            |
| ANT2                                                                           | QPSK | Right Tilt  | 0             | 18900 | 1880           | 1       | HIGH     | -0.19               | 0.013                    | 23.39                   | 24.00                             | 1.151             | 0.015                         | /            |
| ANT2                                                                           | QPSK | Left Cheek  | 0             | 18900 | 1880           | 50      | LOW      | 0.15                | 0.025                    | 22.55                   | 23.00                             | 1.109             | 0.028                         | /            |
| ANT2                                                                           | QPSK | Left Tilt   | 0             | 18900 | 1880           | 50      | LOW      | 0.08                | 0.018                    | 22.55                   | 23.00                             | 1.109             | 0.020                         | /            |
| ANT2                                                                           | QPSK | Right Cheek | 0             | 18900 | 1880           | 50      | LOW      | 0.03                | 0.016                    | 22.55                   | 23.00                             | 1.109             | 0.018                         | /            |
| ANT2                                                                           | QPSK | Right Tilt  | 0             | 18900 | 1880           | 50      | LOW      | 0.11                | 0.011                    | 22.55                   | 23.00                             | 1.109             | 0.012                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 18900 | 1880           | 1       | MID      | -0.11               | 0.133                    | 23.80                   | 24.00                             | 1.047             | 0.139                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 18900 | 1880           | 1       | MID      | -0.19               | 0.161                    | 23.80                   | 24.00                             | 1.047             | 0.169                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 18900 | 1880           | 1       | MID      | -0.01               | 0.024                    | 23.80                   | 24.00                             | 1.047             | 0.025                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 18900 | 1880           | 1       | MID      | -0.09               | 0.181                    | 23.80                   | 24.00                             | 1.047             | <b>0.190</b>                  | 111#         |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 18900 | 1880           | 1       | MID      | -0.18               | 0.153                    | 23.80                   | 24.00                             | 1.047             | 0.160                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 18900 | 1880           | 50      | HIGH     | -0.13               | 0.115                    | 22.49                   | 23.00                             | 1.125             | 0.129                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 18900 | 1880           | 50      | HIGH     | 0.18                | 0.143                    | 22.49                   | 23.00                             | 1.125             | 0.161                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 18900 | 1880           | 50      | HIGH     | -0.03               | 0.016                    | 22.49                   | 23.00                             | 1.125             | 0.018                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 18900 | 1880           | 50      | HIGH     | 0.12                | 0.137                    | 22.49                   | 23.00                             | 1.125             | 0.154                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 18900 | 1880           | 50      | HIGH     | 0.17                | 0.116                    | 22.49                   | 23.00                             | 1.125             | 0.130                         | /            |
| ANT2                                                                           | QPSK | Front Side  | 10            | 18900 | 1880           | 1       | HIGH     | 0.15                | 0.024                    | 23.39                   | 24.00                             | 1.151             | 0.028                         | /            |
| ANT2                                                                           | QPSK | Back Side   | 10            | 18900 | 1880           | 1       | HIGH     | -0.17               | 0.023                    | 23.39                   | 24.00                             | 1.151             | 0.026                         | /            |
| ANT2                                                                           | QPSK | Right Edge  | 10            | 18900 | 1880           | 1       | HIGH     | -0.02               | 0.006                    | 23.39                   | 24.00                             | 1.151             | 0.007                         | /            |
| ANT2                                                                           | QPSK | Front Side  | 10            | 18900 | 1880           | 50      | LOW      | 0.10                | 0.021                    | 22.55                   | 23.00                             | 1.109             | 0.023                         | /            |
| ANT2                                                                           | QPSK | Back Side   | 10            | 18900 | 1880           | 50      | LOW      | 0.11                | 0.019                    | 22.55                   | 23.00                             | 1.109             | 0.021                         | /            |
| ANT2                                                                           | QPSK | Right Edge  | 10            | 18900 | 1880           | 50      | LOW      | -0.06               | 0.004                    | 22.55                   | 23.00                             | 1.109             | 0.004                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| Extremity                                                                      |      |             |               |       |                |         |          |                     |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 18900 | 1880           | 1       | MID      | 0.11                | 0.843                        | 23.80                   | 24.00                             | 1.047             | 0.883                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 18900 | 1880           | 1       | MID      | 0.11                | 0.855                        | 23.80                   | 24.00                             | 1.047             | 0.895                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 18900 | 1880           | 1       | MID      | 0.11                | 0.044                        | 23.80                   | 24.00                             | 1.047             | 0.046                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 18900 | 1880           | 1       | MID      | -0.04               | 0.924                        | 23.80                   | 24.00                             | 1.047             | 0.968                          | 112#         |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 18900 | 1880           | 1       | MID      | 0.14                | 0.766                        | 23.80                   | 24.00                             | 1.047             | 0.802                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 18900 | 1880           | 50      | MID      | 0.02                | 0.815                        | 22.49                   | 23.00                             | 1.125             | 0.917                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 18900 | 1880           | 50      | MID      | 0.14                | 0.762                        | 22.49                   | 23.00                             | 1.125             | 0.857                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 18900 | 1880           | 50      | MID      | 0.14                | 0.031                        | 22.49                   | 23.00                             | 1.125             | 0.035                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 18900 | 1880           | 50      | MID      | 0.13                | 0.783                        | 22.49                   | 23.00                             | 1.125             | 0.880                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 18900 | 1880           | 50      | MID      | 0.03                | 0.703                        | 22.49                   | 23.00                             | 1.125             | 0.791                          | /            |
| ANT2                                                                           | QPSK | Front Side  | 0             | 18900 | 1880           | 1       | HIGH     | 0.02                | 0.133                        | 23.39                   | 24.00                             | 1.151             | 0.153                          | /            |
| ANT2                                                                           | QPSK | Back Side   | 0             | 18900 | 1880           | 1       | HIGH     | 0.07                | 0.125                        | 23.39                   | 24.00                             | 1.151             | 0.144                          | /            |
| ANT2                                                                           | QPSK | Right Edge  | 0             | 18900 | 1880           | 1       | HIGH     | -0.15               | 0.043                        | 23.39                   | 24.00                             | 1.151             | 0.049                          | /            |
| ANT2                                                                           | QPSK | Front Side  | 0             | 18900 | 1880           | 50      | LOW      | 0.08                | 0.124                        | 22.55                   | 23.00                             | 1.109             | 0.138                          | /            |
| ANT2                                                                           | QPSK | Back Side   | 0             | 18900 | 1880           | 50      | LOW      | -0.06               | 0.113                        | 22.55                   | 23.00                             | 1.109             | 0.125                          | /            |
| ANT2                                                                           | QPSK | Right Edge  | 0             | 18900 | 1880           | 50      | LOW      | -0.08               | 0.013                        | 22.55                   | 23.00                             | 1.109             | 0.014                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                              |                         |                                   |                   |                                |              |

## 10.5LTE Band 7 (20MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 21100 | 2535           | 1       | MID      | -0.01               | 0.327                    | 23.50                   | 24.00                             | 1.122             | <b>0.367</b>                  | 10#          |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 21100 | 2535           | 1       | MID      | -0.02               | 0.069                    | 23.50                   | 24.00                             | 1.122             | 0.077                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 21100 | 2535           | 1       | MID      | 0.08                | 0.160                    | 23.50                   | 24.00                             | 1.122             | 0.180                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 21100 | 2535           | 1       | MID      | -0.03               | 0.092                    | 23.50                   | 24.00                             | 1.122             | 0.103                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 21100 | 2535           | 50      | MID      | -0.12               | 0.261                    | 22.38                   | 23.00                             | 1.153             | 0.301                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 21100 | 2535           | 50      | MID      | 0.08                | 0.055                    | 22.38                   | 23.00                             | 1.153             | 0.063                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 21100 | 2535           | 50      | MID      | -0.11               | 0.128                    | 22.38                   | 23.00                             | 1.153             | 0.148                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 21100 | 2535           | 50      | MID      | -0.10               | 0.074                    | 22.38                   | 23.00                             | 1.153             | 0.085                         | /            |
| ANT2                                                                           | QPSK | Left Cheek  | 0             | 21100 | 2535           | 1       | LOW      | 0.08                | 0.032                    | 23.33                   | 24.00                             | 1.167             | 0.037                         | /            |
| ANT2                                                                           | QPSK | Left Tilt   | 0             | 21100 | 2535           | 1       | LOW      | -0.10               | 0.024                    | 23.33                   | 24.00                             | 1.167             | 0.028                         | /            |
| ANT2                                                                           | QPSK | Right Cheek | 0             | 21100 | 2535           | 1       | LOW      | 0.06                | 0.018                    | 23.33                   | 24.00                             | 1.167             | 0.021                         | /            |
| ANT2                                                                           | QPSK | Right Tilt  | 0             | 21100 | 2535           | 1       | LOW      | -0.12               | 0.012                    | 23.33                   | 24.00                             | 1.167             | 0.014                         | /            |
| ANT2                                                                           | QPSK | Left Cheek  | 0             | 21100 | 2535           | 50      | LOW      | -0.11               | 0.037                    | 22.41                   | 23.00                             | 1.146             | 0.042                         | /            |
| ANT2                                                                           | QPSK | Left Tilt   | 0             | 21100 | 2535           | 50      | LOW      | 0.04                | 0.024                    | 22.41                   | 23.00                             | 1.146             | 0.027                         | /            |
| ANT2                                                                           | QPSK | Right Cheek | 0             | 21100 | 2535           | 50      | LOW      | 0.14                | 0.013                    | 22.41                   | 23.00                             | 1.146             | 0.015                         | /            |
| ANT2                                                                           | QPSK | Right Tilt  | 0             | 21100 | 2535           | 50      | LOW      | -0.07               | 0.017                    | 22.41                   | 23.00                             | 1.146             | 0.019                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 21100 | 2535           | 1       | MID      | 0.00                | 0.157                    | 23.50                   | 24.00                             | 1.122             | <b>0.176</b>                  | 11#          |
| ANT0                                                                           | QPSK | Back Side   | 10            | 21100 | 2535           | 1       | MID      | 0.15                | 0.076                    | 23.50                   | 24.00                             | 1.122             | 0.085                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 21100 | 2535           | 1       | MID      | 0.05                | 0.004                    | 23.50                   | 24.00                             | 1.122             | 0.004                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 21100 | 2535           | 1       | MID      | -0.03               | 0.138                    | 23.50                   | 24.00                             | 1.122             | 0.155                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 21100 | 2535           | 1       | MID      | -0.11               | 0.134                    | 23.50                   | 24.00                             | 1.122             | 0.150                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 21100 | 2535           | 50      | MID      | -0.01               | 0.120                    | 22.38                   | 23.00                             | 1.153             | 0.138                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 21100 | 2535           | 50      | MID      | 0.05                | 0.070                    | 22.38                   | 23.00                             | 1.153             | 0.081                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 21100 | 2535           | 50      | MID      | 0.08                | 0.002                    | 22.38                   | 23.00                             | 1.153             | 0.002                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 21100 | 2535           | 50      | MID      | 0.12                | 0.116                    | 22.38                   | 23.00                             | 1.153             | 0.134                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 21100 | 2535           | 50      | MID      | -0.10               | 0.115                    | 22.38                   | 23.00                             | 1.153             | 0.133                         | /            |
| ANT2                                                                           | QPSK | Front Side  | 10            | 21100 | 2535           | 1       | LOW      | -0.03               | 0.022                    | 23.33                   | 24.00                             | 1.167             | 0.026                         | /            |
| ANT2                                                                           | QPSK | Back Side   | 10            | 21100 | 2535           | 1       | LOW      | -0.15               | 0.025                    | 23.33                   | 24.00                             | 1.167             | 0.029                         | /            |
| ANT2                                                                           | QPSK | Right Edge  | 10            | 21100 | 2535           | 1       | LOW      | -0.05               | 0.011                    | 23.33                   | 24.00                             | 1.167             | 0.013                         | /            |
| ANT2                                                                           | QPSK | Front Side  | 10            | 21100 | 2535           | 50      | LOW      | 0.06                | 0.027                    | 22.41                   | 23.00                             | 1.146             | 0.031                         | /            |
| ANT2                                                                           | QPSK | Back Side   | 10            | 21100 | 2535           | 50      | LOW      | -0.05               | 0.027                    | 22.41                   | 23.00                             | 1.146             | 0.031                         | /            |
| ANT2                                                                           | QPSK | Right Edge  | 10            | 21100 | 2535           | 50      | LOW      | 0.10                | 0.014                    | 22.41                   | 23.00                             | 1.146             | 0.016                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| Extremity                                                                      |      |             |               |       |                |         |          |                     |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 21100 | 2535           | 1       | MID      | 0.02                | 0.862                        | 23.50                   | 24.00                             | 1.122             | 0.967                          | 12#          |
| ANT0                                                                           | QPSK | Back Side   | 0             | 21100 | 2535           | 1       | MID      | -0.02               | 0.350                        | 23.50                   | 24.00                             | 1.122             | 0.393                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 21100 | 2535           | 1       | MID      | -0.03               | 0.015                        | 23.50                   | 24.00                             | 1.122             | 0.017                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 21100 | 2535           | 1       | MID      | -0.08               | 0.592                        | 23.50                   | 24.00                             | 1.122             | 0.664                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 21100 | 2535           | 1       | MID      | -0.08               | 0.438                        | 23.50                   | 24.00                             | 1.122             | 0.491                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 21100 | 2535           | 50      | MID      | 0.12                | 0.679                        | 22.38                   | 23.00                             | 1.153             | 0.783                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 21100 | 2535           | 50      | MID      | 0.08                | 0.270                        | 22.38                   | 23.00                             | 1.153             | 0.311                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 21100 | 2535           | 50      | MID      | -0.12               | 0.012                        | 22.38                   | 23.00                             | 1.153             | 0.014                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 21100 | 2535           | 50      | MID      | 0.01                | 0.478                        | 22.38                   | 23.00                             | 1.153             | 0.551                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 21100 | 2535           | 50      | MID      | -0.06               | 0.364                        | 22.38                   | 23.00                             | 1.153             | 0.420                          | /            |
| ANT2                                                                           | QPSK | Front Side  | 0             | 21100 | 2535           | 1       | LOW      | -0.08               | 0.116                        | 23.33                   | 24.00                             | 1.167             | 0.135                          | /            |
| ANT2                                                                           | QPSK | Back Side   | 0             | 21100 | 2535           | 1       | LOW      | -0.11               | 0.121                        | 23.33                   | 24.00                             | 1.167             | 0.141                          | /            |
| ANT2                                                                           | QPSK | Right Edge  | 0             | 21100 | 2535           | 1       | LOW      | 0.01                | 0.055                        | 23.33                   | 24.00                             | 1.167             | 0.064                          | /            |
| ANT2                                                                           | QPSK | Front Side  | 0             | 21100 | 2535           | 50      | LOW      | 0.10                | 0.135                        | 22.41                   | 23.00                             | 1.146             | 0.155                          | /            |
| ANT2                                                                           | QPSK | Back Side   | 0             | 21100 | 2535           | 50      | LOW      | 0.09                | 0.141                        | 22.41                   | 23.00                             | 1.146             | 0.162                          | /            |
| ANT2                                                                           | QPSK | Right Edge  | 0             | 21100 | 2535           | 50      | LOW      | 0.07                | 0.073                        | 22.41                   | 23.00                             | 1.146             | 0.084                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                              |                         |                                   |                   |                                |              |

## 10.6LTE Band 12 (10MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 23060 | 704            | 1       | MID      | -0.02               | 0.098                    | 23.73                   | 24.00                             | 1.064             | 0.105                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 23060 | 704            | 1       | MID      | -0.13               | 0.056                    | 23.73                   | 24.00                             | 1.064             | 0.059                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 23060 | 704            | 1       | MID      | 0.00                | 0.116                    | 23.73                   | 24.00                             | 1.064             | <b>0.123</b>                  | 13#          |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 23060 | 704            | 1       | MID      | -0.03               | 0.056                    | 23.73                   | 24.00                             | 1.064             | 0.060                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 23060 | 704            | 25      | LOW      | 0.16                | 0.073                    | 22.70                   | 23.50                             | 1.202             | 0.088                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 23060 | 704            | 25      | LOW      | -0.03               | 0.037                    | 22.70                   | 23.50                             | 1.202             | 0.044                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 23060 | 704            | 25      | LOW      | -0.15               | 0.095                    | 22.70                   | 23.50                             | 1.202             | 0.114                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 23060 | 704            | 25      | LOW      | 0.02                | 0.041                    | 22.70                   | 23.50                             | 1.202             | 0.049                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 23060 | 704            | 1       | MID      | -0.19               | 0.178                    | 23.73                   | 24.00                             | 1.064             | <b>0.189</b>                  | 14#          |
| ANT0                                                                           | QPSK | Back Side   | 10            | 23060 | 704            | 1       | MID      | 0.06                | 0.131                    | 23.73                   | 24.00                             | 1.064             | 0.139                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 23060 | 704            | 1       | MID      | 0.18                | 0.151                    | 23.73                   | 24.00                             | 1.064             | 0.160                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 23060 | 704            | 1       | MID      | -0.18               | 0.139                    | 23.73                   | 24.00                             | 1.064             | 0.148                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 23060 | 704            | 1       | MID      | -0.04               | 0.041                    | 23.73                   | 24.00                             | 1.064             | 0.044                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 23060 | 704            | 25      | LOW      | -0.01               | 0.148                    | 22.70                   | 23.50                             | 1.202             | 0.178                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 23060 | 704            | 25      | LOW      | -0.02               | 0.101                    | 22.70                   | 23.50                             | 1.202             | 0.122                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 23060 | 704            | 25      | LOW      | 0.06                | 0.112                    | 22.70                   | 23.50                             | 1.202             | 0.135                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 23060 | 704            | 25      | LOW      | 0.08                | 0.103                    | 22.70                   | 23.50                             | 1.202             | 0.124                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 23060 | 704            | 25      | LOW      | 0.16                | 0.032                    | 22.70                   | 23.50                             | 1.202             | 0.038                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|---------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 23060 | 704            | 1       | MID      | 0.00                | 1.070                     | 23.73                   | 24.00                             | 1.064             | <b>1.139</b>                   | 15#          |
| ANT0                                                                           | QPSK | Back Side   | 0             | 23060 | 704            | 1       | MID      | 0.15                | 0.959                     | 23.73                   | 24.00                             | 1.064             | 1.021                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 23060 | 704            | 1       | MID      | 0.03                | 0.125                     | 23.73                   | 24.00                             | 1.064             | 0.133                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 23060 | 704            | 1       | MID      | 0.00                | 0.139                     | 23.73                   | 24.00                             | 1.064             | 0.148                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 23060 | 704            | 1       | MID      | -0.18               | 0.268                     | 23.73                   | 24.00                             | 1.064             | 0.286                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 23060 | 704            | 25      | LOW      | 0.14                | 0.832                     | 22.70                   | 23.50                             | 1.202             | 1.000                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 23060 | 704            | 25      | LOW      | -0.05               | 0.706                     | 22.70                   | 23.50                             | 1.202             | 0.848                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 23060 | 704            | 25      | LOW      | -0.09               | 0.099                     | 22.70                   | 23.50                             | 1.202             | 0.119                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 23060 | 704            | 25      | LOW      | 0.19                | 0.122                     | 22.70                   | 23.50                             | 1.202             | 0.146                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 23060 | 704            | 25      | LOW      | -0.13               | 0.212                     | 22.70                   | 23.50                             | 1.202             | 0.255                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |

## 10.7LTE Band 13 (10MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 23230 | 782            | 1       | LOW      | 0.00                | 0.136                    | 23.35                   | 24.00                             | 1.161             | 0.158                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 23230 | 782            | 1       | LOW      | -0.12               | 0.095                    | 23.35                   | 24.00                             | 1.161             | 0.110                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 23230 | 782            | 1       | LOW      | 0.07                | 0.161                    | 23.35                   | 24.00                             | 1.161             | <b>0.187</b>                  | 16#          |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 23230 | 782            | 1       | LOW      | -0.05               | 0.087                    | 23.35                   | 24.00                             | 1.161             | 0.101                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 23230 | 782            | 25      | LOW      | 0.12                | 0.107                    | 22.30                   | 23.00                             | 1.175             | 0.126                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 23230 | 782            | 25      | LOW      | 0.00                | 0.078                    | 22.30                   | 23.00                             | 1.175             | 0.092                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 23230 | 782            | 25      | LOW      | 0.02                | 0.133                    | 22.30                   | 23.00                             | 1.175             | 0.156                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 23230 | 782            | 25      | LOW      | -0.16               | 0.070                    | 22.30                   | 23.00                             | 1.175             | 0.082                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 23230 | 782            | 1       | LOW      | 0.00                | 0.245                    | 23.35                   | 24.00                             | 1.161             | <b>0.285</b>                  | 17#          |
| ANT0                                                                           | QPSK | Back Side   | 10            | 23230 | 782            | 1       | LOW      | -0.11               | 0.171                    | 23.35                   | 24.00                             | 1.161             | 0.199                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 23230 | 782            | 1       | LOW      | -0.12               | 0.174                    | 23.35                   | 24.00                             | 1.161             | 0.202                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 23230 | 782            | 1       | LOW      | 0.16                | 0.117                    | 23.35                   | 24.00                             | 1.161             | 0.136                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 23230 | 782            | 1       | LOW      | 0.13                | 0.068                    | 23.35                   | 24.00                             | 1.161             | 0.079                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 23230 | 782            | 25      | LOW      | -0.05               | 0.200                    | 22.30                   | 23.00                             | 1.175             | 0.235                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 23230 | 782            | 25      | LOW      | 0.18                | 0.146                    | 22.30                   | 23.00                             | 1.175             | 0.172                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 23230 | 782            | 25      | LOW      | 0.08                | 0.149                    | 22.30                   | 23.00                             | 1.175             | 0.175                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 23230 | 782            | 25      | LOW      | 0.08                | 0.083                    | 22.30                   | 23.00                             | 1.175             | 0.098                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 23230 | 782            | 25      | LOW      | -0.09               | 0.074                    | 22.30                   | 23.00                             | 1.175             | 0.087                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|---------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 23230 | 782            | 1       | LOW      | 0.03                | 0.634                     | 23.35                   | 24.00                             | 1.161             | <b>0.736</b>                   | 18#          |
| ANT0                                                                           | QPSK | Back Side   | 0             | 23230 | 782            | 1       | LOW      | -0.09               | 0.551                     | 23.35                   | 24.00                             | 1.161             | 0.640                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 23230 | 782            | 1       | LOW      | -0.18               | 0.091                     | 23.35                   | 24.00                             | 1.161             | 0.106                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 23230 | 782            | 1       | LOW      | -0.03               | 0.098                     | 23.35                   | 24.00                             | 1.161             | 0.114                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 23230 | 782            | 1       | LOW      | -0.14               | 0.190                     | 23.35                   | 24.00                             | 1.161             | 0.221                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 23230 | 782            | 25      | LOW      | -0.18               | 0.537                     | 22.30                   | 23.00                             | 1.175             | 0.631                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 23230 | 782            | 25      | LOW      | 0.10                | 0.429                     | 22.30                   | 23.00                             | 1.175             | 0.504                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 23230 | 782            | 25      | LOW      | -0.17               | 0.076                     | 22.30                   | 23.00                             | 1.175             | 0.089                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 23230 | 782            | 25      | LOW      | 0.05                | 0.081                     | 22.30                   | 23.00                             | 1.175             | 0.095                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 23230 | 782            | 25      | LOW      | 0.02                | 0.157                     | 22.30                   | 23.00                             | 1.175             | 0.184                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |

## 10.8LTE Band 14 (10MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 23330 | 793            | 1       | MID      | 0.14                | 0.127                    | 22.45                   | 24.00                             | 1.429             | 0.181                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 23330 | 793            | 1       | MID      | 0.03                | 0.080                    | 22.45                   | 24.00                             | 1.429             | 0.114                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 23330 | 793            | 1       | MID      | 0.02                | 0.158                    | 22.45                   | 24.00                             | 1.429             | <b>0.226</b>                  | 19#          |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 23330 | 793            | 1       | MID      | 0.05                | 0.089                    | 22.45                   | 24.00                             | 1.429             | 0.127                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 23330 | 793            | 25      | MID      | -0.04               | 0.084                    | 21.47                   | 23.00                             | 1.422             | 0.119                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 23330 | 793            | 25      | MID      | -0.16               | 0.062                    | 21.47                   | 23.00                             | 1.422             | 0.088                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 23330 | 793            | 25      | MID      | -0.17               | 0.106                    | 21.47                   | 23.00                             | 1.422             | 0.151                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 23330 | 793            | 25      | MID      | -0.16               | 0.055                    | 21.47                   | 23.00                             | 1.422             | 0.078                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 23330 | 793            | 1       | MID      | -0.01               | 0.146                    | 22.45                   | 24.00                             | 1.429             | <b>0.209</b>                  | 20#          |
| ANT0                                                                           | QPSK | Back Side   | 10            | 23330 | 793            | 1       | MID      | -0.18               | 0.120                    | 22.45                   | 24.00                             | 1.429             | 0.171                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 23330 | 793            | 1       | MID      | 0.03                | 0.106                    | 22.45                   | 24.00                             | 1.429             | 0.151                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 23330 | 793            | 1       | MID      | -0.03               | 0.062                    | 22.45                   | 24.00                             | 1.429             | 0.089                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 23330 | 793            | 1       | MID      | 0.11                | 0.051                    | 22.45                   | 24.00                             | 1.429             | 0.073                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 23330 | 793            | 25      | MID      | -0.02               | 0.101                    | 21.47                   | 23.00                             | 1.422             | 0.144                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 23330 | 793            | 25      | MID      | 0.18                | 0.080                    | 21.47                   | 23.00                             | 1.422             | 0.114                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 23330 | 793            | 25      | MID      | -0.02               | 0.072                    | 21.47                   | 23.00                             | 1.422             | 0.102                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 23330 | 793            | 25      | MID      | 0.07                | 0.041                    | 21.47                   | 23.00                             | 1.422             | 0.058                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 23330 | 793            | 25      | MID      | 0.00                | 0.021                    | 21.47                   | 23.00                             | 1.422             | 0.030                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |             |               |       |                |         |          |                     |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 23330 | 793            | 1       | MID      | -0.08               | 0.534                        | 22.45                   | 24.00                             | 1.429             | 0.763                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 23330 | 793            | 1       | MID      | -0.07               | 0.557                        | 22.45                   | 24.00                             | 1.429             | <b>0.796</b>                   | 21#          |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 23330 | 793            | 1       | MID      | -0.14               | 0.093                        | 22.45                   | 24.00                             | 1.429             | 0.133                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 23330 | 793            | 1       | MID      | 0.10                | 0.127                        | 22.45                   | 24.00                             | 1.429             | 0.181                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 23330 | 793            | 1       | MID      | 0.05                | 0.182                        | 22.45                   | 24.00                             | 1.429             | 0.260                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 23330 | 793            | 25      | MID      | -0.05               | 0.379                        | 21.47                   | 23.00                             | 1.422             | 0.539                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 23330 | 793            | 25      | MID      | -0.03               | 0.342                        | 21.47                   | 23.00                             | 1.422             | 0.486                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 23330 | 793            | 25      | MID      | 0.01                | 0.056                        | 21.47                   | 23.00                             | 1.422             | 0.080                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 23330 | 793            | 25      | MID      | -0.17               | 0.072                        | 21.47                   | 23.00                             | 1.422             | 0.102                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 23330 | 793            | 25      | MID      | 0.05                | 0.130                        | 21.47                   | 23.00                             | 1.422             | 0.185                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                              |                         |                                   |                   |                                |              |

## 10.9LTE Band 25 (20MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 26365 | 1882.5         | 1       | LOW      | 0.04                | 0.451                    | 23.35                   | 24.00                             | 1.161             | <b>0.524</b>                  | 22#          |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 26365 | 1882.5         | 1       | LOW      | 0.13                | 0.181                    | 23.35                   | 24.00                             | 1.161             | 0.210                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 26365 | 1882.5         | 1       | LOW      | 0.17                | 0.229                    | 23.35                   | 24.00                             | 1.161             | 0.266                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 26365 | 1882.5         | 1       | LOW      | 0.09                | 0.183                    | 23.35                   | 24.00                             | 1.161             | 0.213                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 26365 | 1882.5         | 50      | MID      | -0.14               | 0.367                    | 22.31                   | 23.00                             | 1.172             | 0.430                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 26365 | 1882.5         | 50      | MID      | 0.00                | 0.146                    | 22.31                   | 23.00                             | 1.172             | 0.171                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 26365 | 1882.5         | 50      | MID      | 0.09                | 0.182                    | 22.31                   | 23.00                             | 1.172             | 0.213                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 26365 | 1882.5         | 50      | MID      | -0.08               | 0.152                    | 22.31                   | 23.00                             | 1.172             | 0.178                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 26365 | 1882.5         | 1       | LOW      | 0.02                | 0.102                    | 23.35                   | 24.00                             | 1.161             | 0.118                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 26365 | 1882.5         | 1       | LOW      | 0.09                | 0.138                    | 23.35                   | 24.00                             | 1.161             | 0.160                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 26365 | 1882.5         | 1       | LOW      | 0.03                | 0.014                    | 23.35                   | 24.00                             | 1.161             | 0.016                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 26365 | 1882.5         | 1       | LOW      | 0.02                | 0.143                    | 23.35                   | 24.00                             | 1.161             | <b>0.166</b>                  | 23#          |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 26365 | 1882.5         | 1       | LOW      | 0.14                | 0.102                    | 23.35                   | 24.00                             | 1.161             | 0.118                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 26365 | 1882.5         | 50      | MID      | -0.17               | 0.115                    | 22.31                   | 23.00                             | 1.172             | 0.135                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 26365 | 1882.5         | 50      | MID      | 0.02                | 0.122                    | 22.31                   | 23.00                             | 1.172             | 0.143                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 26365 | 1882.5         | 50      | MID      | 0.12                | 0.013                    | 22.31                   | 23.00                             | 1.172             | 0.015                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 26365 | 1882.5         | 50      | MID      | -0.09               | 0.080                    | 22.31                   | 23.00                             | 1.172             | 0.094                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 26365 | 1882.5         | 50      | MID      | 0.17                | 0.082                    | 22.31                   | 23.00                             | 1.172             | 0.096                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|---------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 26365 | 1882.5         | 1       | LOW      | -0.14               | 0.429                     | 23.35                   | 24.00                             | 1.161             | 0.498                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 26365 | 1882.5         | 1       | LOW      | -0.16               | 0.476                     | 23.35                   | 24.00                             | 1.161             | 0.553                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 26365 | 1882.5         | 1       | LOW      | 0.17                | 0.020                     | 23.35                   | 24.00                             | 1.161             | 0.023                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 26365 | 1882.5         | 1       | LOW      | 0.02                | 0.732                     | 23.35                   | 24.00                             | 1.161             | <b>0.850</b>                   | 24#          |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 26365 | 1882.5         | 1       | LOW      | -0.10               | 0.492                     | 23.35                   | 24.00                             | 1.161             | 0.571                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 26365 | 1882.5         | 50      | MID      | -0.15               | 0.554                     | 22.31                   | 23.00                             | 1.172             | 0.649                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 26365 | 1882.5         | 50      | MID      | -0.03               | 0.357                     | 22.31                   | 23.00                             | 1.172             | 0.418                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 26365 | 1882.5         | 50      | MID      | 0.19                | 0.016                     | 22.31                   | 23.00                             | 1.172             | 0.019                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 26365 | 1882.5         | 50      | MID      | -0.11               | 0.362                     | 22.31                   | 23.00                             | 1.172             | 0.424                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 26365 | 1882.5         | 50      | MID      | -0.18               | 0.402                     | 22.31                   | 23.00                             | 1.172             | 0.471                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |

## 10.10 LTE Band 26 (15MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 26865 | 831.5          | 1       | MID      | -0.19               | 0.150                    | 23.25                   | 24.00                             | 1.189             | 0.178                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 26865 | 831.5          | 1       | MID      | 0.03                | 0.098                    | 23.25                   | 24.00                             | 1.189             | 0.116                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 26865 | 831.5          | 1       | MID      | 0.03                | 0.197                    | 23.25                   | 24.00                             | 1.189             | <b>0.234</b>                  | 25#          |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 26865 | 831.5          | 1       | MID      | 0.09                | 0.097                    | 23.25                   | 24.00                             | 1.189             | 0.115                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 26865 | 831.5          | 36      | MID      | -0.04               | 0.120                    | 22.22                   | 23.00                             | 1.197             | 0.144                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 26865 | 831.5          | 36      | MID      | 0.18                | 0.077                    | 22.22                   | 23.00                             | 1.197             | 0.092                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 26865 | 831.5          | 36      | MID      | 0.08                | 0.156                    | 22.22                   | 23.00                             | 1.197             | 0.187                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 26865 | 831.5          | 36      | MID      | 0.13                | 0.079                    | 22.22                   | 23.00                             | 1.197             | 0.095                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 26865 | 831.5          | 1       | MID      | -0.08               | 0.251                    | 23.25                   | 24.00                             | 1.189             | <b>0.298</b>                  | 26#          |
| ANT0                                                                           | QPSK | Back Side   | 10            | 26865 | 831.5          | 1       | MID      | 0.13                | 0.210                    | 23.25                   | 24.00                             | 1.189             | 0.250                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 26865 | 831.5          | 1       | MID      | -0.10               | 0.120                    | 23.25                   | 24.00                             | 1.189             | 0.143                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 26865 | 831.5          | 1       | MID      | -0.14               | 0.064                    | 23.25                   | 24.00                             | 1.189             | 0.076                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 26865 | 831.5          | 1       | MID      | 0.12                | 0.093                    | 23.25                   | 24.00                             | 1.189             | 0.111                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 26865 | 831.5          | 36      | MID      | -0.17               | 0.194                    | 22.22                   | 23.00                             | 1.197             | 0.232                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 26865 | 831.5          | 36      | MID      | -0.17               | 0.174                    | 22.22                   | 23.00                             | 1.197             | 0.208                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 26865 | 831.5          | 36      | MID      | -0.05               | 0.102                    | 22.22                   | 23.00                             | 1.197             | 0.122                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 26865 | 831.5          | 36      | MID      | 0.12                | 0.054                    | 22.22                   | 23.00                             | 1.197             | 0.065                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 26865 | 831.5          | 36      | MID      | -0.18               | 0.073                    | 22.22                   | 23.00                             | 1.197             | 0.087                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|---------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 26865 | 831.5          | 1       | MID      | -0.05               | 1.110                     | 23.25                   | 24.00                             | 1.189             | <b>1.319</b>                   | 27#          |
| ANT0                                                                           | QPSK | Back Side   | 0             | 26865 | 831.5          | 1       | MID      | -0.13               | 0.702                     | 23.25                   | 24.00                             | 1.189             | 0.834                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 26865 | 831.5          | 1       | MID      | -0.17               | 0.121                     | 23.25                   | 24.00                             | 1.189             | 0.144                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 26865 | 831.5          | 1       | MID      | -0.06               | 0.202                     | 23.25                   | 24.00                             | 1.189             | 0.240                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 26865 | 831.5          | 1       | MID      | -0.18               | 0.348                     | 23.25                   | 24.00                             | 1.189             | 0.414                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 26865 | 831.5          | 36      | MID      | 0.12                | 0.887                     | 22.22                   | 23.00                             | 1.197             | 1.062                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 26865 | 831.5          | 36      | MID      | 0.00                | 0.688                     | 22.22                   | 23.00                             | 1.197             | 0.823                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 26865 | 831.5          | 36      | MID      | 0.04                | 0.113                     | 22.22                   | 23.00                             | 1.197             | 0.135                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 26865 | 831.5          | 36      | MID      | 0.00                | 0.167                     | 22.22                   | 23.00                             | 1.197             | 0.200                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 26865 | 831.5          | 36      | MID      | -0.12               | 0.280                     | 22.22                   | 23.00                             | 1.197             | 0.335                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |

## 10.11 LTE Band 30 (10MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 27710 | 2310           | 1       | MID      | 0.01                | 0.347                    | 23.57                   | 24.00                             | 1.104             | <b>0.383</b>                  | 28#          |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 27710 | 2310           | 1       | MID      | 0.10                | 0.070                    | 23.57                   | 24.00                             | 1.104             | 0.077                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 27710 | 2310           | 1       | MID      | -0.16               | 0.152                    | 23.57                   | 24.00                             | 1.104             | 0.168                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 27710 | 2310           | 1       | MID      | 0.11                | 0.106                    | 23.57                   | 24.00                             | 1.104             | 0.117                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 27710 | 2310           | 25      | HIGH     | 0.12                | 0.265                    | 22.51                   | 23.00                             | 1.119             | 0.297                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 27710 | 2310           | 25      | HIGH     | 0.06                | 0.058                    | 22.51                   | 23.00                             | 1.119             | 0.065                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 27710 | 2310           | 25      | HIGH     | -0.13               | 0.130                    | 22.51                   | 23.00                             | 1.119             | 0.146                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 27710 | 2310           | 25      | HIGH     | -0.04               | 0.089                    | 22.51                   | 23.00                             | 1.119             | 0.100                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 27710 | 2310           | 1       | MID      | -0.03               | 0.579                    | 23.57                   | 24.00                             | 1.104             | <b>0.639</b>                  | 29#          |
| ANT0                                                                           | QPSK | Back Side   | 10            | 27710 | 2310           | 1       | MID      | -0.13               | 0.510                    | 23.57                   | 24.00                             | 1.104             | 0.563                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 27710 | 2310           | 1       | MID      | -0.06               | 0.100                    | 23.57                   | 24.00                             | 1.104             | 0.110                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 27710 | 2310           | 1       | MID      | -0.08               | 0.449                    | 23.57                   | 24.00                             | 1.104             | 0.496                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 27710 | 2310           | 1       | MID      | -0.02               | 0.534                    | 23.57                   | 24.00                             | 1.104             | 0.590                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 27710 | 2310           | 25      | HIGH     | -0.17               | 0.461                    | 22.51                   | 23.00                             | 1.119             | 0.516                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 27710 | 2310           | 25      | HIGH     | -0.12               | 0.418                    | 22.51                   | 23.00                             | 1.119             | 0.468                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 27710 | 2310           | 25      | HIGH     | 0.05                | 0.073                    | 22.51                   | 23.00                             | 1.119             | 0.082                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 27710 | 2310           | 25      | HIGH     | -0.16               | 0.476                    | 22.51                   | 23.00                             | 1.119             | 0.533                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 27710 | 2310           | 25      | HIGH     | -0.02               | 0.437                    | 22.51                   | 23.00                             | 1.119             | 0.489                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|---------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 27710 | 2310           | 1       | MID      | 0.11                | 0.762                     | 23.57                   | 24.00                             | 1.104             | <b>0.841</b>                   | 30#          |
| ANT0                                                                           | QPSK | Back Side   | 0             | 27710 | 2310           | 1       | MID      | -0.06               | 0.747                     | 23.57                   | 24.00                             | 1.104             | 0.825                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 27710 | 2310           | 1       | MID      | 0.08                | 0.094                     | 23.57                   | 24.00                             | 1.104             | 0.104                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 27710 | 2310           | 1       | MID      | 0.09                | 0.486                     | 23.57                   | 24.00                             | 1.104             | 0.537                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 27710 | 2310           | 1       | MID      | -0.18               | 0.473                     | 23.57                   | 24.00                             | 1.104             | 0.522                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 27710 | 2310           | 25      | HIGH     | 0.02                | 0.603                     | 22.51                   | 23.00                             | 1.119             | 0.675                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 27710 | 2310           | 25      | HIGH     | 0.12                | 0.572                     | 22.51                   | 23.00                             | 1.119             | 0.640                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 27710 | 2310           | 25      | HIGH     | 0.00                | 0.075                     | 22.51                   | 23.00                             | 1.119             | 0.084                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 27710 | 2310           | 25      | HIGH     | 0.02                | 0.433                     | 22.51                   | 23.00                             | 1.119             | 0.485                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 27710 | 2310           | 25      | HIGH     | -0.11               | 0.381                     | 22.51                   | 23.00                             | 1.119             | 0.427                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |

## 10.12 LTE Band 66 (20MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|--------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |        |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 132322 | 1745           | 1       | MID      | 0.02                | 0.328                    | 23.19                   | 24.00                             | 1.205             | <b>0.395</b>                  | 31#          |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 132322 | 1745           | 1       | MID      | 0.07                | 0.157                    | 23.19                   | 24.00                             | 1.205             | 0.189                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 132322 | 1745           | 1       | MID      | -0.01               | 0.199                    | 23.19                   | 24.00                             | 1.205             | 0.240                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 132322 | 1745           | 1       | MID      | -0.02               | 0.152                    | 23.19                   | 24.00                             | 1.205             | 0.183                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 132322 | 1745           | 50      | MID      | -0.13               | 0.250                    | 22.16                   | 23.00                             | 1.213             | 0.303                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 132322 | 1745           | 50      | MID      | 0.12                | 0.126                    | 22.16                   | 23.00                             | 1.213             | 0.153                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 132322 | 1745           | 50      | MID      | 0.18                | 0.155                    | 22.16                   | 23.00                             | 1.213             | 0.188                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 132322 | 1745           | 50      | MID      | 0.14                | 0.124                    | 22.16                   | 23.00                             | 1.213             | 0.150                         | /            |
| ANT2                                                                           | QPSK | Left Cheek  | 0             | 132322 | 1745           | 1       | LOW      | -0.15               | 0.033                    | 23.39                   | 24.00                             | 1.151             | 0.038                         | /            |
| ANT2                                                                           | QPSK | Left Tilt   | 0             | 132322 | 1745           | 1       | LOW      | 0.13                | 0.025                    | 23.39                   | 24.00                             | 1.151             | 0.029                         | /            |
| ANT2                                                                           | QPSK | Right Cheek | 0             | 132322 | 1745           | 1       | LOW      | 0.01                | 0.028                    | 23.39                   | 24.00                             | 1.151             | 0.032                         | /            |
| ANT2                                                                           | QPSK | Right Tilt  | 0             | 132322 | 1745           | 1       | LOW      | -0.06               | 0.019                    | 23.39                   | 24.00                             | 1.151             | 0.022                         | /            |
| ANT2                                                                           | QPSK | Left Cheek  | 0             | 132322 | 1745           | 50      | LOW      | 0.01                | 0.035                    | 22.39                   | 23.00                             | 1.151             | 0.040                         | /            |
| ANT2                                                                           | QPSK | Left Tilt   | 0             | 132322 | 1745           | 50      | LOW      | 0.01                | 0.026                    | 22.39                   | 23.00                             | 1.151             | 0.030                         | /            |
| ANT2                                                                           | QPSK | Right Cheek | 0             | 132322 | 1745           | 50      | LOW      | 0.10                | 0.023                    | 22.39                   | 23.00                             | 1.151             | 0.026                         | /            |
| ANT2                                                                           | QPSK | Right Tilt  | 0             | 132322 | 1745           | 50      | LOW      | -0.10               | 0.024                    | 22.39                   | 23.00                             | 1.151             | 0.028                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |        |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 132322 | 1745           | 1       | MID      | -0.02               | 0.170                    | 23.19                   | 24.00                             | 1.205             | <b>0.205</b>                  | 32#          |
| ANT0                                                                           | QPSK | Back Side   | 10            | 132322 | 1745           | 1       | MID      | -0.05               | 0.097                    | 23.19                   | 24.00                             | 1.205             | 0.117                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 132322 | 1745           | 1       | MID      | -0.14               | 0.026                    | 23.19                   | 24.00                             | 1.205             | 0.031                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 132322 | 1745           | 1       | MID      | -0.17               | 0.094                    | 23.19                   | 24.00                             | 1.205             | 0.113                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 132322 | 1745           | 1       | MID      | 0.03                | 0.137                    | 23.19                   | 24.00                             | 1.205             | 0.165                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 132322 | 1745           | 50      | MID      | 0.07                | 0.122                    | 22.16                   | 23.00                             | 1.213             | 0.148                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 132322 | 1745           | 50      | MID      | -0.16               | 0.071                    | 22.16                   | 23.00                             | 1.213             | 0.086                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 132322 | 1745           | 50      | MID      | -0.19               | 0.020                    | 22.16                   | 23.00                             | 1.213             | 0.025                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 132322 | 1745           | 50      | MID      | 0.16                | 0.081                    | 22.16                   | 23.00                             | 1.213             | 0.099                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 132322 | 1745           | 50      | MID      | -0.03               | 0.116                    | 22.16                   | 23.00                             | 1.213             | 0.140                         | /            |
| ANT2                                                                           | QPSK | Front Side  | 10            | 132322 | 1745           | 1       | LOW      | 0.09                | 0.028                    | 23.39                   | 24.00                             | 1.151             | 0.032                         | /            |
| ANT2                                                                           | QPSK | Back Side   | 10            | 132322 | 1745           | 1       | LOW      | -0.12               | 0.026                    | 23.39                   | 24.00                             | 1.151             | 0.030                         | /            |
| ANT2                                                                           | QPSK | Right Edge  | 10            | 132322 | 1745           | 1       | LOW      | -0.01               | 0.008                    | 23.39                   | 24.00                             | 1.151             | 0.009                         | /            |
| ANT2                                                                           | QPSK | Front Side  | 10            | 132322 | 1745           | 50      | LOW      | 0.01                | 0.027                    | 22.39                   | 23.00                             | 1.151             | 0.031                         | /            |
| ANT2                                                                           | QPSK | Back Side   | 10            | 132322 | 1745           | 50      | LOW      | -0.10               | 0.026                    | 22.39                   | 23.00                             | 1.151             | 0.030                         | /            |
| ANT2                                                                           | QPSK | Right Edge  | 10            | 132322 | 1745           | 50      | LOW      | -0.10               | 0.003                    | 22.39                   | 23.00                             | 1.151             | 0.003                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |        |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|--------|----------------|---------|----------|---------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| Extremity                                                                      |      |             |               |        |                |         |          |                     |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 132322 | 1745           | 1       | MID      | -0.04               | 0.944                        | 23.19                   | 24.00                             | 1.205             | <b>1.138</b>                   | 33#          |
| ANT0                                                                           | QPSK | Back Side   | 0             | 132322 | 1745           | 1       | MID      | -0.18               | 0.504                        | 23.19                   | 24.00                             | 1.205             | 0.607                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 132322 | 1745           | 1       | MID      | -0.09               | 0.050                        | 23.19                   | 24.00                             | 1.205             | 0.060                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 132322 | 1745           | 1       | MID      | 0.04                | 0.522                        | 23.19                   | 24.00                             | 1.205             | 0.629                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 132322 | 1745           | 1       | MID      | 0.13                | 0.754                        | 23.19                   | 24.00                             | 1.205             | 0.908                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 132322 | 1745           | 50      | MID      | 0.03                | 0.720                        | 22.16                   | 23.00                             | 1.213             | 0.874                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 132322 | 1745           | 50      | MID      | -0.13               | 0.396                        | 22.16                   | 23.00                             | 1.213             | 0.480                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 132322 | 1745           | 50      | MID      | 0.06                | 0.433                        | 22.16                   | 23.00                             | 1.213             | 0.525                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 132322 | 1745           | 50      | MID      | 0.17                | 0.039                        | 22.16                   | 23.00                             | 1.213             | 0.047                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 132322 | 1745           | 50      | MID      | -0.11               | 0.470                        | 22.16                   | 23.00                             | 1.213             | 0.570                          | /            |
| ANT2                                                                           | QPSK | Front Side  | 0             | 132322 | 1745           | 1       | LOW      | -0.17               | 0.141                        | 23.39                   | 24.00                             | 1.151             | 0.162                          | /            |
| ANT2                                                                           | QPSK | Back Side   | 0             | 132322 | 1745           | 1       | LOW      | -0.12               | 0.132                        | 23.39                   | 24.00                             | 1.151             | 0.152                          | /            |
| ANT2                                                                           | QPSK | Right Edge  | 0             | 132322 | 1745           | 1       | LOW      | -0.01               | 0.052                        | 23.39                   | 24.00                             | 1.151             | 0.060                          | /            |
| ANT2                                                                           | QPSK | Front Side  | 0             | 132322 | 1745           | 50      | LOW      | 0.14                | 0.141                        | 22.39                   | 23.00                             | 1.151             | 0.162                          | /            |
| ANT2                                                                           | QPSK | Back Side   | 0             | 132322 | 1745           | 50      | LOW      | 0.15                | 0.132                        | 22.39                   | 23.00                             | 1.151             | 0.152                          | /            |
| ANT2                                                                           | QPSK | Right Edge  | 0             | 132322 | 1745           | 50      | LOW      | 0.18                | 0.011                        | 22.39                   | 23.00                             | 1.151             | 0.013                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |        |                |         |          |                     |                              |                         |                                   |                   |                                |              |

## 10.13 LTE Band 71 (20MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|--------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |        |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 133322 | 683            | 1       | MID      | 0.04                | 0.099                    | 23.55                   | 24.00                             | 1.109             | 0.110                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 133322 | 683            | 1       | MID      | 0.09                | 0.051                    | 23.55                   | 24.00                             | 1.109             | 0.057                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 133322 | 683            | 1       | MID      | -0.08               | 0.128                    | 23.55                   | 24.00                             | 1.109             | <b>0.142</b>                  | 34#          |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 133322 | 683            | 1       | MID      | -0.03               | 0.061                    | 23.55                   | 24.00                             | 1.109             | 0.068                         | /            |
| ANT0                                                                           | QPSK | Left Cheek  | 0             | 133322 | 683            | 50      | LOW      | -0.01               | 0.082                    | 22.47                   | 23.00                             | 1.130             | 0.093                         | /            |
| ANT0                                                                           | QPSK | Left Tilt   | 0             | 133322 | 683            | 50      | LOW      | -0.12               | 0.046                    | 22.47                   | 23.00                             | 1.130             | 0.052                         | /            |
| ANT0                                                                           | QPSK | Right Cheek | 0             | 133322 | 683            | 50      | LOW      | -0.12               | 0.104                    | 22.47                   | 23.00                             | 1.130             | 0.117                         | /            |
| ANT0                                                                           | QPSK | Right Tilt  | 0             | 133322 | 683            | 50      | LOW      | -0.16               | 0.056                    | 22.47                   | 23.00                             | 1.130             | 0.063                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |        |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT0                                                                           | QPSK | Front Side  | 10            | 133322 | 683            | 1       | MID      | 0.05                | 0.242                    | 23.55                   | 24.00                             | 1.109             | <b>0.268</b>                  | 35#          |
| ANT0                                                                           | QPSK | Back Side   | 10            | 133322 | 683            | 1       | MID      | -0.04               | 0.168                    | 23.55                   | 24.00                             | 1.109             | 0.186                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 133322 | 683            | 1       | MID      | 0.03                | 0.185                    | 23.55                   | 24.00                             | 1.109             | 0.205                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 133322 | 683            | 1       | MID      | -0.17               | 0.185                    | 23.55                   | 24.00                             | 1.109             | 0.205                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 133322 | 683            | 1       | MID      | 0.13                | 0.009                    | 23.55                   | 24.00                             | 1.109             | 0.010                         | /            |
| ANT0                                                                           | QPSK | Front Side  | 10            | 133322 | 683            | 50      | LOW      | -0.14               | 0.234                    | 22.47                   | 23.00                             | 1.130             | 0.264                         | /            |
| ANT0                                                                           | QPSK | Back Side   | 10            | 133322 | 683            | 50      | LOW      | -0.06               | 0.140                    | 22.47                   | 23.00                             | 1.130             | 0.158                         | /            |
| ANT0                                                                           | QPSK | Left Edge   | 10            | 133322 | 683            | 50      | LOW      | -0.14               | 0.149                    | 22.47                   | 23.00                             | 1.130             | 0.168                         | /            |
| ANT0                                                                           | QPSK | Right Edge  | 10            | 133322 | 683            | 50      | LOW      | -0.11               | 0.159                    | 22.47                   | 23.00                             | 1.130             | 0.180                         | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 10            | 133322 | 683            | 50      | LOW      | 0.01                | 0.002                    | 22.47                   | 23.00                             | 1.130             | 0.002                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |        |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|--------|----------------|---------|----------|---------------------|---------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |             |               |        |                |         |          |                     |                           |                         |                                   |                   |                                |              |
| ANT0                                                                           | QPSK | Front Side  | 0             | 133322 | 683            | 1       | MID      | -0.03               | 1.090                     | 23.55                   | 24.00                             | 1.109             | <b>1.209</b>                   | 36#          |
| ANT0                                                                           | QPSK | Back Side   | 0             | 133322 | 683            | 1       | MID      | -0.10               | 0.723                     | 23.55                   | 24.00                             | 1.109             | 0.802                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 133322 | 683            | 1       | MID      | 0.18                | 0.086                     | 23.55                   | 24.00                             | 1.109             | 0.095                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 133322 | 683            | 1       | MID      | 0.07                | 0.122                     | 23.55                   | 24.00                             | 1.109             | 0.135                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 133322 | 683            | 1       | MID      | -0.01               | 0.265                     | 23.55                   | 24.00                             | 1.109             | 0.294                          | /            |
| ANT0                                                                           | QPSK | Front Side  | 0             | 133322 | 683            | 50      | LOW      | 0.09                | 0.898                     | 22.47                   | 23.00                             | 1.130             | 1.015                          | /            |
| ANT0                                                                           | QPSK | Back Side   | 0             | 133322 | 683            | 50      | LOW      | -0.13               | 0.691                     | 22.47                   | 23.00                             | 1.130             | 0.781                          | /            |
| ANT0                                                                           | QPSK | Left Edge   | 0             | 133322 | 683            | 50      | LOW      | 0.02                | 0.070                     | 22.47                   | 23.00                             | 1.130             | 0.079                          | /            |
| ANT0                                                                           | QPSK | Right Edge  | 0             | 133322 | 683            | 50      | LOW      | 0.07                | 0.105                     | 22.47                   | 23.00                             | 1.130             | 0.119                          | /            |
| ANT0                                                                           | QPSK | Bottom Edge | 0             | 133322 | 683            | 50      | LOW      | 0.08                | 0.191                     | 22.47                   | 23.00                             | 1.130             | 0.216                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |        |                |         |          |                     |                           |                         |                                   |                   |                                |              |

## 10.14 LTE Band 41 (20MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT3                                                                           | QPSK | Left Cheek  | 0             | 40620 | 2593           | 1       | MID      | 0.02                | 0.380                    | 23.60                   | 24.00                             | 1.096             | <b>0.417</b>                  | 37#          |
| ANT3                                                                           | QPSK | Left Tilt   | 0             | 40620 | 2593           | 1       | MID      | 0.17                | 0.072                    | 23.60                   | 24.00                             | 1.096             | 0.079                         | /            |
| ANT3                                                                           | QPSK | Right Cheek | 0             | 40620 | 2593           | 1       | MID      | -0.09               | 0.166                    | 23.60                   | 24.00                             | 1.096             | 0.182                         | /            |
| ANT3                                                                           | QPSK | Right Tilt  | 0             | 40620 | 2593           | 1       | MID      | 0.02                | 0.090                    | 23.60                   | 24.00                             | 1.096             | 0.099                         | /            |
| ANT3                                                                           | QPSK | Left Cheek  | 0             | 41490 | 2680           | 50      | HIGH     | -0.15               | 0.235                    | 22.70                   | 23.00                             | 1.072             | 0.252                         | /            |
| ANT3                                                                           | QPSK | Left Tilt   | 0             | 41490 | 2680           | 50      | HIGH     | -0.17               | 0.049                    | 22.70                   | 23.00                             | 1.072             | 0.053                         | /            |
| ANT3                                                                           | QPSK | Right Cheek | 0             | 41490 | 2680           | 50      | HIGH     | -0.04               | 0.123                    | 22.70                   | 23.00                             | 1.072             | 0.132                         | /            |
| ANT3                                                                           | QPSK | Right Tilt  | 0             | 41490 | 2680           | 50      | HIGH     | 0.11                | 0.070                    | 22.70                   | 23.00                             | 1.072             | 0.075                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT3                                                                           | QPSK | Front Side  | 10            | 40620 | 2593           | 1       | MID      | -0.03               | 0.287                    | 23.60                   | 24.00                             | 1.096             | <b>0.315</b>                  | 38#          |
| ANT3                                                                           | QPSK | Back Side   | 10            | 40620 | 2593           | 1       | MID      | -0.05               | 0.125                    | 23.60                   | 24.00                             | 1.096             | 0.137                         | /            |
| ANT3                                                                           | QPSK | Left Edge   | 10            | 40620 | 2593           | 1       | MID      | 0.18                | 0.011                    | 23.60                   | 24.00                             | 1.096             | 0.012                         | /            |
| ANT3                                                                           | QPSK | Right Edge  | 10            | 40620 | 2593           | 1       | MID      | 0.01                | 0.238                    | 23.60                   | 24.00                             | 1.096             | 0.261                         | /            |
| ANT3                                                                           | QPSK | Bottom Edge | 10            | 40620 | 2593           | 1       | MID      | -0.05               | 0.181                    | 23.60                   | 24.00                             | 1.096             | 0.198                         | /            |
| ANT3                                                                           | QPSK | Front Side  | 10            | 41490 | 2680           | 50      | HIGH     | 0.08                | 0.207                    | 22.70                   | 23.00                             | 1.072             | 0.222                         | /            |
| ANT3                                                                           | QPSK | Back Side   | 10            | 41490 | 2680           | 50      | HIGH     | 0.01                | 0.099                    | 22.70                   | 23.00                             | 1.072             | 0.106                         | /            |
| ANT3                                                                           | QPSK | Left Edge   | 10            | 41490 | 2680           | 50      | HIGH     | 0.07                | 0.005                    | 22.70                   | 23.00                             | 1.072             | 0.005                         | /            |
| ANT3                                                                           | QPSK | Right Edge  | 10            | 41490 | 2680           | 50      | HIGH     | 0.04                | 0.181                    | 22.70                   | 23.00                             | 1.072             | 0.194                         | /            |
| ANT3                                                                           | QPSK | Bottom Edge | 10            | 41490 | 2680           | 50      | HIGH     | 0.16                | 0.169                    | 22.70                   | 23.00                             | 1.072             | 0.181                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|---------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |
| ANT3                                                                           | QPSK | Front Side  | 0             | 40620 | 2593           | 1       | MID      | 0.03                | 0.602                     | 23.60                   | 24.00                             | 1.096             | <b>0.660</b>                   | 39#          |
| ANT3                                                                           | QPSK | Back Side   | 0             | 40620 | 2593           | 1       | MID      | -0.19               | 0.255                     | 23.60                   | 24.00                             | 1.096             | 0.280                          | /            |
| ANT3                                                                           | QPSK | Left Edge   | 0             | 40620 | 2593           | 1       | MID      | -0.16               | 0.016                     | 23.60                   | 24.00                             | 1.096             | 0.018                          | /            |
| ANT3                                                                           | QPSK | Right Edge  | 0             | 40620 | 2593           | 1       | MID      | -0.16               | 0.392                     | 23.60                   | 24.00                             | 1.096             | 0.430                          | /            |
| ANT3                                                                           | QPSK | Bottom Edge | 0             | 40620 | 2593           | 1       | MID      | 0.11                | 0.302                     | 23.60                   | 24.00                             | 1.096             | 0.331                          | /            |
| ANT3                                                                           | QPSK | Front Side  | 0             | 41490 | 2680           | 50      | HIGH     | -0.12               | 0.418                     | 22.70                   | 23.00                             | 1.072             | 0.448                          | /            |
| ANT3                                                                           | QPSK | Back Side   | 0             | 41490 | 2680           | 50      | HIGH     | -0.19               | 0.218                     | 22.70                   | 23.00                             | 1.072             | 0.234                          | /            |
| ANT3                                                                           | QPSK | Left Edge   | 0             | 41490 | 2680           | 50      | HIGH     | -0.10               | 0.014                     | 22.70                   | 23.00                             | 1.072             | 0.015                          | /            |
| ANT3                                                                           | QPSK | Right Edge  | 0             | 41490 | 2680           | 50      | HIGH     | -0.19               | 0.310                     | 22.70                   | 23.00                             | 1.072             | 0.332                          | /            |
| ANT3                                                                           | QPSK | Bottom Edge | 0             | 41490 | 2680           | 50      | HIGH     | -0.06               | 0.229                     | 22.70                   | 23.00                             | 1.072             | 0.245                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                           |                         |                                   |                   |                                |              |

## 10.15 LTE Band 43 (20MHz Bandwidth)

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-------|----------------|---------|----------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT1                                                                           | QPSK | Left Cheek  | 0             | 44590 | 3700           | 1       | MID      | -0.02               | 0.227                    | 23.83                   | 24.50                             | 1.167             | 0.265                         | /            |
| ANT1                                                                           | QPSK | Left Tilt   | 0             | 44590 | 3700           | 1       | MID      | 0.16                | 0.165                    | 23.83                   | 24.50                             | 1.167             | 0.193                         | /            |
| ANT1                                                                           | QPSK | Right Cheek | 0             | 44590 | 3700           | 1       | MID      | 0.04                | 0.516                    | 23.83                   | 24.50                             | 1.167             | <b>0.602</b>                  | 40#          |
| ANT1                                                                           | QPSK | Right Tilt  | 0             | 44590 | 3700           | 1       | MID      | 0.19                | 0.122                    | 23.83                   | 24.50                             | 1.167             | 0.142                         | /            |
| ANT1                                                                           | QPSK | Left Cheek  | 0             | 44590 | 3700           | 50      | HIGH     | 0.00                | 0.183                    | 23.05                   | 23.50                             | 1.109             | 0.203                         | /            |
| ANT1                                                                           | QPSK | Left Tilt   | 0             | 44590 | 3700           | 50      | HIGH     | -0.07               | 0.129                    | 23.05                   | 23.50                             | 1.109             | 0.143                         | /            |
| ANT1                                                                           | QPSK | Right Cheek | 0             | 44590 | 3700           | 50      | HIGH     | -0.09               | 0.346                    | 23.05                   | 23.50                             | 1.109             | 0.384                         | /            |
| ANT1                                                                           | QPSK | Right Tilt  | 0             | 44590 | 3700           | 50      | HIGH     | -0.13               | 0.101                    | 23.05                   | 23.50                             | 1.109             | 0.112                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |
| ANT1                                                                           | QPSK | Front Side  | 10            | 44590 | 3700           | 1       | MID      | -0.12               | 0.129                    | 23.83                   | 24.50                             | 1.167             | 0.151                         | /            |
| ANT1                                                                           | QPSK | Back Side   | 10            | 44590 | 3700           | 1       | MID      | -0.08               | 0.367                    | 23.83                   | 24.50                             | 1.167             | <b>0.428</b>                  | 41#          |
| ANT1                                                                           | QPSK | Left Edge   | 10            | 44590 | 3700           | 1       | MID      | -0.08               | 0.288                    | 23.83                   | 24.50                             | 1.167             | 0.336                         | /            |
| ANT1                                                                           | QPSK | Front Side  | 10            | 44590 | 3700           | 50      | HIGH     | -0.06               | 0.106                    | 23.05                   | 23.50                             | 1.109             | 0.118                         | /            |
| ANT1                                                                           | QPSK | Back Side   | 10            | 44590 | 3700           | 50      | HIGH     | 0.01                | 0.268                    | 23.05                   | 23.50                             | 1.109             | 0.297                         | /            |
| ANT1                                                                           | QPSK | Left Edge   | 10            | 44590 | 3700           | 50      | HIGH     | 0.18                | 0.217                    | 23.05                   | 23.50                             | 1.109             | 0.241                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |       |                |         |          |                     |                          |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode | Position   | Dist.<br>(mm) | Ch.   | Freq.<br>(MHz) | RB Num. | RB Start | Power<br>Drift (dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|------------|---------------|-------|----------------|---------|----------|---------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |            |               |       |                |         |          |                     |                              |                         |                                   |                   |                                |              |
| ANT1                                                                           | QPSK | Front Side | 0             | 44590 | 3700           | 1       | MID      | -0.01               | 0.317                        | 23.83                   | 24.50                             | 1.167             | 0.370                          | /            |
| ANT1                                                                           | QPSK | Back Side  | 0             | 44590 | 3700           | 1       | MID      | -0.19               | 0.331                        | 23.83                   | 24.50                             | 1.167             | 0.386                          | /            |
| ANT1                                                                           | QPSK | Left Edge  | 0             | 44590 | 3700           | 1       | MID      | 0.00                | 0.814                        | 23.83                   | 24.50                             | 1.167             | <b>0.950</b>                   | 42#          |
| ANT1                                                                           | QPSK | Front Side | 0             | 44590 | 3700           | 50      | HIGH     | -0.17               | 0.243                        | 23.05                   | 23.50                             | 1.109             | 0.270                          | /            |
| ANT1                                                                           | QPSK | Back Side  | 0             | 44590 | 3700           | 50      | HIGH     | 0.01                | 0.247                        | 23.05                   | 23.50                             | 1.109             | 0.274                          | /            |
| ANT1                                                                           | QPSK | Left Edge  | 0             | 44590 | 3700           | 50      | HIGH     | 0.06                | 0.608                        | 23.05                   | 23.50                             | 1.109             | 0.674                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |            |               |       |                |         |          |                     |                              |                         |                                   |                   |                                |              |

## 10.16 NR n2 (20MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 376000 | 1880           | 1          | 1           | 0.01                   | 0.272                       | 24.07                   | 25.00                             | 1.239             | <b>0.337</b>                  | 43#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 376000 | 1880           | 1          | 1           | -0.03                  | 0.100                       | 24.07                   | 25.00                             | 1.239             | 0.124                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 376000 | 1880           | 1          | 1           | -0.09                  | 0.147                       | 24.07                   | 25.00                             | 1.239             | 0.182                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 376000 | 1880           | 1          | 1           | -0.09                  | 0.101                       | 24.07                   | 25.00                             | 1.239             | 0.125                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 376000 | 1880           | 50         | 28          | 0.04                   | 0.258                       | 24.06                   | 25.00                             | 1.242             | 0.320                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 376000 | 1880           | 50         | 28          | 0.15                   | 0.092                       | 24.06                   | 25.00                             | 1.242             | 0.114                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 376000 | 1880           | 50         | 28          | 0.12                   | 0.144                       | 24.06                   | 25.00                             | 1.242             | 0.179                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 376000 | 1880           | 50         | 28          | -0.10                  | 0.094                       | 24.06                   | 25.00                             | 1.242             | 0.117                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 376000 | 1880           | 1          | 53          | 0.02                   | 0.025                       | 23.23                   | 24.00                             | 1.194             | 0.030                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 376000 | 1880           | 1          | 53          | -0.09                  | 0.012                       | 23.23                   | 24.00                             | 1.194             | 0.014                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 376000 | 1880           | 1          | 53          | -0.11                  | 0.022                       | 23.23                   | 24.00                             | 1.194             | 0.026                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 376000 | 1880           | 1          | 53          | -0.11                  | 0.007                       | 23.23                   | 24.00                             | 1.194             | 0.008                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 376000 | 1880           | 50         | 28          | 0.03                   | 0.023                       | 23.17                   | 24.00                             | 1.211             | 0.028                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 376000 | 1880           | 50         | 28          | -0.10                  | 0.016                       | 23.17                   | 24.00                             | 1.211             | 0.019                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 376000 | 1880           | 50         | 28          | 0.00                   | 0.025                       | 23.17                   | 24.00                             | 1.211             | 0.030                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 376000 | 1880           | 50         | 28          | 0.14                   | 0.004                       | 23.17                   | 24.00                             | 1.211             | 0.005                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 376000 | 1880           | 1          | 1           | -0.07                  | 0.609                       | 24.07                   | 25.00                             | 1.239             | 0.754                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 376000 | 1880           | 1          | 1           | 0.01                   | 0.640                       | 24.07                   | 25.00                             | 1.239             | <b>0.793</b>                  | 44#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 376000 | 1880           | 1          | 1           | 0.01                   | 0.015                       | 24.07                   | 25.00                             | 1.239             | 0.019                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 376000 | 1880           | 1          | 1           | 0.10                   | 0.427                       | 24.07                   | 25.00                             | 1.239             | 0.529                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 376000 | 1880           | 1          | 1           | 0.19                   | 0.392                       | 24.07                   | 25.00                             | 1.239             | 0.486                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 376000 | 1880           | 50         | 28          | 0.15                   | 0.547                       | 24.06                   | 25.00                             | 1.242             | 0.679                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 376000 | 1880           | 50         | 28          | 0.05                   | 0.621                       | 24.06                   | 25.00                             | 1.242             | 0.771                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 376000 | 1880           | 50         | 28          | 0.06                   | 0.011                       | 24.06                   | 25.00                             | 1.242             | 0.014                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 376000 | 1880           | 50         | 28          | -0.07                  | 0.419                       | 24.06                   | 25.00                             | 1.242             | 0.520                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 376000 | 1880           | 50         | 28          | 0.17                   | 0.374                       | 24.06                   | 25.00                             | 1.242             | 0.464                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 376000 | 1880           | 1          | 53          | 0.03                   | 0.031                       | 23.23                   | 24.00                             | 1.194             | 0.037                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 376000 | 1880           | 1          | 53          | -0.15                  | 0.025                       | 23.23                   | 24.00                             | 1.194             | 0.030                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 376000 | 1880           | 1          | 53          | -0.13                  | 0.011                       | 23.23                   | 24.00                             | 1.194             | 0.013                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 376000 | 1880           | 50         | 28          | 0.14                   | 0.031                       | 23.17                   | 24.00                             | 1.211             | 0.038                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 376000 | 1880           | 50         | 28          | -0.08                  | 0.029                       | 23.17                   | 24.00                             | 1.211             | 0.035                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 376000 | 1880           | 50         | 28          | -0.02                  | 0.013                       | 23.17                   | 24.00                             | 1.211             | 0.016                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 376000 | 1880           | 1          | 1           | 0.01                   | 2.250                        | 24.07                   | 25.00                             | 1.239             | <b>2.787</b>                   | 45#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 376000 | 1880           | 1          | 1           | -0.16                  | 1.120                        | 24.07                   | 25.00                             | 1.239             | 1.387                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 376000 | 1880           | 1          | 1           | 0.05                   | 0.022                        | 24.07                   | 25.00                             | 1.239             | 0.027                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 376000 | 1880           | 1          | 1           | 0.03                   | 1.505                        | 24.07                   | 25.00                             | 1.239             | 1.864                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 376000 | 1880           | 1          | 1           | 0.18                   | 1.597                        | 24.07                   | 25.00                             | 1.239             | 1.978                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 372000 | 1860           | 1          | 1           | 0.17                   | 1.966                        | 23.97                   | 25.00                             | 1.268             | 2.492                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 380000 | 1900           | 1          | 1           | -0.11                  | 2.165                        | 24.06                   | 25.00                             | 1.242             | 2.688                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 376000 | 1880           | 50         | 28          | -0.18                  | 2.229                        | 24.06                   | 25.00                             | 1.242             | 2.768                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 376000 | 1880           | 50         | 28          | 0.01                   | 1.190                        | 24.06                   | 25.00                             | 1.242             | 1.478                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 376000 | 1880           | 50         | 28          | -0.09                  | 0.023                        | 24.06                   | 25.00                             | 1.242             | 0.029                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 376000 | 1880           | 50         | 28          | -0.11                  | 1.462                        | 24.06                   | 25.00                             | 1.242             | 1.815                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 376000 | 1880           | 50         | 28          | -0.05                  | 1.540                        | 24.06                   | 25.00                             | 1.242             | 1.912                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 372000 | 1860           | 50         | 28          | 0.14                   | 1.860                        | 23.97                   | 25.00                             | 1.268             | 2.358                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 380000 | 1900           | 50         | 28          | -0.14                  | 2.037                        | 24.06                   | 25.00                             | 1.242             | 2.529                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 376000 | 1880           | 1          | 1           | 0.16                   | 0.112                        | 23.23                   | 24.00                             | 1.194             | 0.134                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 376000 | 1880           | 1          | 1           | -0.11                  | 0.083                        | 23.23                   | 24.00                             | 1.194             | 0.099                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 376000 | 1880           | 1          | 1           | 0.05                   | 0.033                        | 23.23                   | 24.00                             | 1.194             | 0.039                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 376000 | 1880           | 50         | 28          | 0.15                   | 0.112                        | 23.17                   | 24.00                             | 1.211             | 0.136                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 376000 | 1880           | 50         | 28          | -0.02                  | 0.106                        | 23.17                   | 24.00                             | 1.211             | 0.128                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 376000 | 1880           | 50         | 28          | -0.18                  | 0.041                        | 23.17                   | 24.00                             | 1.211             | 0.050                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

### 10.17 NR n5 (20MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| Head                                                                           |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 167300 | 836.5          | 1          | 53          | -0.14                  | 0.093                       | 23.82                   | 24.50                             | 1.169             | 0.109                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 167300 | 836.5          | 1          | 53          | 0.03                   | 0.088                       | 23.82                   | 24.50                             | 1.169             | 0.103                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 167300 | 836.5          | 1          | 53          | 0.01                   | 0.098                       | 23.82                   | 24.50                             | 1.169             | <b>0.115</b>                  | 46#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 167300 | 836.5          | 1          | 53          | -0.01                  | 0.066                       | 23.82                   | 24.50                             | 1.169             | 0.077                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 167300 | 836.5          | 50         | 28          | -0.19                  | 0.091                       | 23.99                   | 24.50                             | 1.125             | 0.102                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 167300 | 836.5          | 50         | 28          | -0.16                  | 0.079                       | 23.99                   | 24.50                             | 1.125             | 0.089                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 167300 | 836.5          | 50         | 28          | 0.17                   | 0.093                       | 23.99                   | 24.50                             | 1.125             | 0.105                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 167300 | 836.5          | 50         | 28          | 0.00                   | 0.057                       | 23.99                   | 24.50                             | 1.125             | 0.064                         | /            |
| Body-Worn&Hotspot                                                              |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 167300 | 836.5          | 1          | 53          | -0.06                  | 0.222                       | 23.82                   | 24.50                             | 1.169             | <b>0.260</b>                  | 47#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 167300 | 836.5          | 1          | 53          | 0.15                   | 0.165                       | 23.82                   | 24.50                             | 1.169             | 0.193                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 167300 | 836.5          | 1          | 53          | -0.11                  | 0.064                       | 23.82                   | 24.50                             | 1.169             | 0.075                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 167300 | 836.5          | 1          | 53          | 0.07                   | 0.052                       | 23.82                   | 24.50                             | 1.169             | 0.061                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 167300 | 836.5          | 1          | 53          | 0.15                   | 0.086                       | 23.82                   | 24.50                             | 1.169             | 0.101                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 167300 | 836.5          | 50         | 28          | 0.15                   | 0.188                       | 23.99                   | 24.50                             | 1.125             | 0.211                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 167300 | 836.5          | 50         | 28          | 0.03                   | 0.154                       | 23.99                   | 24.50                             | 1.125             | 0.173                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 167300 | 836.5          | 50         | 28          | 0.14                   | 0.081                       | 23.99                   | 24.50                             | 1.125             | 0.091                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 167300 | 836.5          | 50         | 28          | -0.19                  | 0.049                       | 23.99                   | 24.50                             | 1.125             | 0.055                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 167300 | 836.5          | 50         | 28          | 0.17                   | 0.078                       | 23.99                   | 24.50                             | 1.125             | 0.088                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| Extremity                                                                      |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 167300 | 836.5          | 1          | 53          | -0.04                  | 1.380                        | 23.82                   | 24.50                             | 1.169             | 1.614                          | 48#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 167300 | 836.5          | 1          | 53          | -0.07                  | 0.858                        | 23.82                   | 24.50                             | 1.169             | 1.003                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 167300 | 836.5          | 1          | 53          | 0.04                   | 0.075                        | 23.82                   | 24.50                             | 1.169             | 0.088                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 167300 | 836.5          | 1          | 53          | 0.04                   | 0.335                        | 23.82                   | 24.50                             | 1.169             | 0.392                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 167300 | 836.5          | 1          | 53          | -0.03                  | 0.544                        | 23.82                   | 24.50                             | 1.169             | 0.636                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 167300 | 836.5          | 50         | 28          | -0.17                  | 1.220                        | 23.99                   | 24.50                             | 1.125             | 1.372                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 167300 | 836.5          | 50         | 28          | -0.08                  | 0.802                        | 23.99                   | 24.50                             | 1.125             | 0.902                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 167300 | 836.5          | 50         | 28          | -0.03                  | 0.071                        | 23.99                   | 24.50                             | 1.125             | 0.080                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 167300 | 836.5          | 50         | 28          | -0.02                  | 0.323                        | 23.99                   | 24.50                             | 1.125             | 0.363                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 167300 | 836.5          | 50         | 28          | 0.13                   | 0.522                        | 23.99                   | 24.50                             | 1.125             | 0.587                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 167300 | 1945           | 50         | 28          | 0.04                   | 1.190                        | 23.99                   | 24.50                             | 1.125             | 1.338                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 167300 | 1955           | 50         | 28          | -0.13                  | 1.230                        | 23.99                   | 24.50                             | 1.125             | 1.383                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.18 NR n7 (20MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 507000 | 2535           | 1          | 1           | -0.05                  | 0.418                       | 23.31                   | 24.00                             | 1.172             | <b>0.490</b>                  | 49#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 507000 | 2535           | 1          | 1           | 0.09                   | 0.094                       | 23.31                   | 24.00                             | 1.172             | 0.110                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 507000 | 2535           | 1          | 1           | -0.02                  | 0.212                       | 23.31                   | 24.00                             | 1.172             | 0.249                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 507000 | 2535           | 1          | 1           | 0.18                   | 0.138                       | 23.31                   | 24.00                             | 1.172             | 0.162                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 507000 | 2535           | 50         | 28          | 0.07                   | 0.410                       | 23.29                   | 24.00                             | 1.178             | 0.483                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 507000 | 2535           | 50         | 28          | -0.02                  | 0.092                       | 23.29                   | 24.00                             | 1.178             | 0.108                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 507000 | 2535           | 50         | 28          | 0.11                   | 0.207                       | 23.29                   | 24.00                             | 1.178             | 0.244                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 507000 | 2535           | 50         | 28          | 0.15                   | 0.138                       | 23.29                   | 24.00                             | 1.178             | 0.163                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 507000 | 2535           | 1          | 53          | 0.04                   | 0.035                       | 23.21                   | 24.00                             | 1.199             | 0.042                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 507000 | 2535           | 1          | 53          | -0.07                  | 0.014                       | 23.21                   | 24.00                             | 1.199             | 0.017                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 507000 | 2535           | 1          | 53          | 0.11                   | 0.028                       | 23.21                   | 24.00                             | 1.199             | 0.034                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 507000 | 2535           | 1          | 53          | 0.04                   | 0.012                       | 23.21                   | 24.00                             | 1.199             | 0.014                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 507000 | 2535           | 50         | 28          | -0.10                  | 0.036                       | 23.17                   | 24.00                             | 1.211             | 0.044                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 507000 | 2535           | 50         | 28          | -0.06                  | 0.010                       | 23.17                   | 24.00                             | 1.211             | 0.012                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 507000 | 2535           | 50         | 28          | 0.13                   | 0.024                       | 23.17                   | 24.00                             | 1.211             | 0.029                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 507000 | 2535           | 50         | 28          | 0.15                   | 0.016                       | 23.17                   | 24.00                             | 1.211             | 0.019                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 507000 | 2535           | 1          | 1           | 0.02                   | 0.615                       | 23.31                   | 24.00                             | 1.172             | <b>0.721</b>                  | 50#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 507000 | 2535           | 1          | 1           | 0.08                   | 0.331                       | 23.31                   | 24.00                             | 1.172             | 0.388                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 507000 | 2535           | 1          | 1           | -0.19                  | 0.008                       | 23.31                   | 24.00                             | 1.172             | 0.009                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 507000 | 2535           | 1          | 1           | 0.00                   | 0.602                       | 23.31                   | 24.00                             | 1.172             | 0.706                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 507000 | 2535           | 1          | 1           | -0.07                  | 0.587                       | 23.31                   | 24.00                             | 1.172             | 0.688                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 507000 | 2535           | 50         | 28          | -0.10                  | 0.606                       | 23.29                   | 24.00                             | 1.178             | 0.714                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 507000 | 2535           | 50         | 28          | -0.04                  | 0.321                       | 23.29                   | 24.00                             | 1.178             | 0.378                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 507000 | 2535           | 50         | 28          | -0.12                  | 0.005                       | 23.29                   | 24.00                             | 1.178             | 0.006                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 507000 | 2535           | 50         | 28          | 0.05                   | 0.575                       | 23.29                   | 24.00                             | 1.178             | 0.677                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 507000 | 2535           | 50         | 28          | -0.06                  | 0.533                       | 23.29                   | 24.00                             | 1.178             | 0.628                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 507000 | 2535           | 1          | 53          | 0.11                   | 0.025                       | 23.21                   | 24.00                             | 1.199             | 0.030                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 507000 | 2535           | 1          | 53          | 0.15                   | 0.041                       | 23.21                   | 24.00                             | 1.199             | 0.049                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 507000 | 2535           | 1          | 53          | 0.09                   | 0.011                       | 23.21                   | 24.00                             | 1.199             | 0.013                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 507000 | 2535           | 50         | 28          | 0.01                   | 0.027                       | 23.17                   | 24.00                             | 1.211             | 0.033                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 507000 | 2535           | 50         | 28          | 0.06                   | 0.037                       | 23.17                   | 24.00                             | 1.211             | 0.045                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 507000 | 2535           | 50         | 28          | -0.11                  | 0.008                       | 23.17                   | 24.00                             | 1.211             | 0.010                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 507000 | 2535           | 1          | 1           | 0.04                   | 2.170                        | 23.31                   | 24.00                             | 1.172             | 2.544                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 507000 | 2535           | 1          | 1           | 0.12                   | 0.926                        | 23.31                   | 24.00                             | 1.172             | 1.085                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 507000 | 2535           | 1          | 1           | 0.01                   | 0.022                        | 23.31                   | 24.00                             | 1.172             | 0.026                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 507000 | 2535           | 1          | 1           | 0.14                   | 1.910                        | 23.31                   | 24.00                             | 1.172             | 2.239                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 507000 | 2535           | 1          | 1           | -0.06                  | 1.270                        | 23.31                   | 24.00                             | 1.172             | 1.489                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 502000 | 2510           | 1          | 1           | -0.09                  | 2.270                        | 23.27                   | 24.00                             | 1.183             | 2.686                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 512000 | 2560           | 1          | 1           | -0.15                  | 2.350                        | 23.23                   | 24.00                             | 1.194             | <b>2.806</b>                   | 51#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 507000 | 2535           | 50         | 28          | 0.17                   | 2.110                        | 23.29                   | 24.00                             | 1.178             | 2.485                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 507000 | 2535           | 50         | 28          | 0.10                   | 0.913                        | 23.29                   | 24.00                             | 1.178             | 1.075                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 507000 | 2535           | 50         | 28          | -0.17                  | 0.018                        | 23.29                   | 24.00                             | 1.178             | 0.021                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 507000 | 2535           | 50         | 28          | -0.16                  | 1.870                        | 23.29                   | 24.00                             | 1.178             | 2.202                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 507000 | 2535           | 50         | 28          | 0.04                   | 1.230                        | 23.29                   | 24.00                             | 1.178             | 1.448                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 502000 | 2510           | 50         | 28          | -0.10                  | 2.210                        | 23.27                   | 24.00                             | 1.183             | 2.615                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 512000 | 2560           | 50         | 28          | 0.07                   | 2.230                        | 23.23                   | 24.00                             | 1.194             | 2.663                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 512000 | 2560           | 100        | 0           | 0.07                   | 1.830                        | 22.82                   | 23.00                             | 1.042             | 1.907                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 507000 | 2535           | 1          | 53          | -0.16                  | 0.166                        | 23.21                   | 24.00                             | 1.199             | 0.199                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 507000 | 2535           | 1          | 53          | -0.15                  | 0.285                        | 23.21                   | 24.00                             | 1.199             | 0.342                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 507000 | 2535           | 1          | 53          | 0.00                   | 0.071                        | 23.21                   | 24.00                             | 1.199             | 0.085                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 507000 | 2535           | 50         | 28          | 0.12                   | 0.174                        | 23.17                   | 24.00                             | 1.211             | 0.211                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 507000 | 2535           | 50         | 28          | 0.15                   | 0.245                        | 23.17                   | 24.00                             | 1.211             | 0.297                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 507000 | 2535           | 50         | 28          | -0.12                  | 0.041                        | 23.17                   | 24.00                             | 1.211             | 0.050                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.19 NR n12 (15MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 141500 | 707.5          | 1          | 77          | 0.07                   | 0.069                       | 23.92                   | 24.50                             | 1.143             | <b>0.079</b>                  | 52#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 141500 | 707.5          | 1          | 77          | 0.04                   | 0.042                       | 23.92                   | 24.50                             | 1.143             | 0.048                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 141500 | 707.5          | 1          | 77          | 0.17                   | 0.063                       | 23.92                   | 24.50                             | 1.143             | 0.072                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 141500 | 707.5          | 1          | 77          | -0.03                  | 0.040                       | 23.92                   | 24.50                             | 1.143             | 0.046                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 141500 | 707.5          | 36         | 22          | 0.13                   | 0.062                       | 23.86                   | 24.50                             | 1.159             | 0.072                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 141500 | 707.5          | 36         | 22          | 0.13                   | 0.039                       | 23.86                   | 24.50                             | 1.159             | 0.045                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 141500 | 707.5          | 36         | 22          | -0.04                  | 0.056                       | 23.86                   | 24.50                             | 1.159             | 0.065                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 141500 | 707.5          | 36         | 22          | 0.13                   | 0.035                       | 23.86                   | 24.50                             | 1.159             | 0.041                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 141500 | 707.5          | 1          | 77          | 0.05                   | 0.302                       | 23.92                   | 24.50                             | 1.143             | <b>0.345</b>                  | 53#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 141500 | 707.5          | 1          | 77          | -0.10                  | 0.248                       | 23.92                   | 24.50                             | 1.143             | 0.283                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 141500 | 707.5          | 1          | 77          | 0.19                   | 0.160                       | 23.92                   | 24.50                             | 1.143             | 0.183                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 141500 | 707.5          | 1          | 77          | 0.12                   | 0.213                       | 23.92                   | 24.50                             | 1.143             | 0.243                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 141500 | 707.5          | 1          | 77          | -0.19                  | 0.007                       | 23.92                   | 24.50                             | 1.143             | 0.008                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 141500 | 707.5          | 36         | 22          | 0.13                   | 0.288                       | 23.92                   | 24.50                             | 1.143             | 0.329                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 141500 | 707.5          | 36         | 22          | 0.04                   | 0.231                       | 23.86                   | 24.50                             | 1.159             | 0.268                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 141500 | 707.5          | 36         | 22          | -0.18                  | 0.154                       | 23.86                   | 24.50                             | 1.159             | 0.178                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 141500 | 707.5          | 36         | 22          | -0.02                  | 0.206                       | 23.86                   | 24.50                             | 1.159             | 0.239                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 141500 | 707.5          | 36         | 22          | -0.08                  | 0.009                       | 23.86                   | 24.50                             | 1.159             | 0.010                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 141500 | 707.5          | 1          | 77          | 0.01                   | 1.320                        | 23.92                   | 24.50                             | 1.143             | <b>1.509</b>                   | 54#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 141500 | 707.5          | 1          | 77          | -0.02                  | 1.250                        | 23.92                   | 24.50                             | 1.143             | 1.429                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 141500 | 707.5          | 1          | 77          | -0.04                  | 0.071                        | 23.92                   | 24.50                             | 1.143             | 0.081                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 141500 | 707.5          | 1          | 77          | 0.17                   | 0.235                        | 23.92                   | 24.50                             | 1.143             | 0.269                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 141500 | 707.5          | 1          | 77          | -0.06                  | 0.355                        | 23.92                   | 24.50                             | 1.143             | 0.406                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 141500 | 707.5          | 36         | 22          | 0.15                   | 1.280                        | 23.92                   | 24.50                             | 1.143             | 1.463                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 141500 | 707.5          | 36         | 22          | -0.06                  | 1.210                        | 23.86                   | 24.50                             | 1.159             | 1.402                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 141500 | 707.5          | 36         | 22          | -0.06                  | 0.063                        | 23.86                   | 24.50                             | 1.159             | 0.073                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 141500 | 707.5          | 36         | 22          | 0.03                   | 0.211                        | 23.86                   | 24.50                             | 1.159             | 0.245                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 141500 | 707.5          | 36         | 22          | 0.11                   | 0.323                        | 23.86                   | 24.50                             | 1.159             | 0.374                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.20 NR n13 (10MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 156400 | 782            | 1          | 26          | 0.12                   | 0.084                       | 23.91                   | 24.50                             | 1.146             | <b>0.096</b>                  | 55#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 156400 | 782            | 1          | 26          | -0.12                  | 0.082                       | 23.91                   | 24.50                             | 1.146             | 0.094                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 156400 | 782            | 1          | 26          | -0.05                  | 0.081                       | 23.91                   | 24.50                             | 1.146             | 0.093                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 156400 | 782            | 1          | 26          | -0.04                  | 0.059                       | 23.91                   | 24.50                             | 1.146             | 0.068                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 156400 | 782            | 25         | 14          | -0.05                  | 0.073                       | 23.76                   | 24.50                             | 1.186             | 0.087                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 156400 | 782            | 25         | 14          | -0.13                  | 0.072                       | 23.76                   | 24.50                             | 1.186             | 0.085                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 156400 | 782            | 25         | 14          | 0.19                   | 0.078                       | 23.76                   | 24.50                             | 1.186             | 0.092                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 156400 | 782            | 25         | 14          | 0.03                   | 0.049                       | 23.76                   | 24.50                             | 1.186             | 0.058                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 156400 | 782            | 1          | 26          | 0.00                   | 0.303                       | 23.91                   | 24.50                             | 1.146             | <b>0.347</b>                  | 56#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 156400 | 782            | 1          | 26          | 0.03                   | 0.246                       | 23.91                   | 24.50                             | 1.146             | 0.282                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 156400 | 782            | 1          | 26          | -0.04                  | 0.123                       | 23.91                   | 24.50                             | 1.146             | 0.141                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 156400 | 782            | 1          | 26          | -0.18                  | 0.167                       | 23.91                   | 24.50                             | 1.146             | 0.191                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 156400 | 782            | 1          | 26          | -0.18                  | 0.101                       | 23.91                   | 24.50                             | 1.146             | 0.116                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 156400 | 782            | 25         | 14          | -0.12                  | 0.274                       | 23.76                   | 24.50                             | 1.186             | 0.325                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 156400 | 782            | 25         | 14          | 0.00                   | 0.231                       | 23.76                   | 24.50                             | 1.186             | 0.274                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 156400 | 782            | 25         | 14          | -0.18                  | 0.116                       | 23.76                   | 24.50                             | 1.186             | 0.138                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 156400 | 782            | 25         | 14          | -0.05                  | 0.155                       | 23.76                   | 24.50                             | 1.186             | 0.184                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 156400 | 782            | 25         | 14          | 0.01                   | 0.095                       | 23.76                   | 24.50                             | 1.186             | 0.113                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 156400 | 782            | 1          | 26          | 0.19                   | 1.220                        | 23.91                   | 24.50                             | 1.146             | <b>1.398</b>                   | 57#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 156400 | 782            | 1          | 26          | 0.15                   | 1.090                        | 23.91                   | 24.50                             | 1.146             | 1.249                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 156400 | 782            | 1          | 26          | 0.12                   | 0.075                        | 23.91                   | 24.50                             | 1.146             | 0.086                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 156400 | 782            | 1          | 26          | -0.02                  | 0.270                        | 23.91                   | 24.50                             | 1.146             | 0.309                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 156400 | 782            | 1          | 26          | -0.11                  | 0.465                        | 23.91                   | 24.50                             | 1.146             | 0.533                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 156400 | 782            | 25         | 14          | -0.11                  | 1.160                        | 23.76                   | 24.50                             | 1.186             | 1.375                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 156400 | 782            | 25         | 14          | 0.12                   | 1.010                        | 23.76                   | 24.50                             | 1.186             | 1.198                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 156400 | 782            | 25         | 14          | 0.10                   | 0.063                        | 23.76                   | 24.50                             | 1.186             | 0.075                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 156400 | 782            | 25         | 14          | 0.04                   | 0.223                        | 23.76                   | 24.50                             | 1.186             | 0.264                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 156400 | 782            | 25         | 14          | 0.16                   | 0.421                        | 23.76                   | 24.50                             | 1.186             | 0.499                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.21 NR n14 (20MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 158600 | 793            | 1          | 1           | 0.15                   | 0.079                       | 23.77                   | 24.50                             | 1.183             | <b>0.093</b>                  | 58#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 158600 | 793            | 1          | 1           | -0.13                  | 0.062                       | 23.77                   | 24.50                             | 1.183             | 0.073                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 158600 | 793            | 1          | 1           | 0.17                   | 0.059                       | 23.77                   | 24.50                             | 1.183             | 0.070                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 158600 | 793            | 1          | 1           | -0.14                  | 0.054                       | 23.77                   | 24.50                             | 1.183             | 0.064                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 158600 | 793            | 25         | 14          | -0.18                  | 0.066                       | 23.68                   | 24.50                             | 1.208             | 0.080                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 158600 | 793            | 25         | 14          | -0.03                  | 0.053                       | 23.68                   | 24.50                             | 1.208             | 0.064                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 158600 | 793            | 25         | 14          | -0.11                  | 0.055                       | 23.68                   | 24.50                             | 1.208             | 0.066                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 158600 | 793            | 25         | 14          | -0.01                  | 0.046                       | 23.68                   | 24.50                             | 1.208             | 0.056                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 158600 | 793            | 1          | 1           | 0.02                   | 0.200                       | 23.77                   | 24.50                             | 1.183             | <b>0.237</b>                  | 59#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 158600 | 793            | 1          | 1           | -0.10                  | 0.135                       | 23.77                   | 24.50                             | 1.183             | 0.160                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 158600 | 793            | 1          | 1           | -0.14                  | 0.062                       | 23.77                   | 24.50                             | 1.183             | 0.073                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 158600 | 793            | 1          | 1           | -0.11                  | 0.072                       | 23.77                   | 24.50                             | 1.183             | 0.085                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 158600 | 793            | 1          | 1           | -0.01                  | 0.068                       | 23.77                   | 24.50                             | 1.183             | 0.080                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 158600 | 793            | 25         | 14          | 0.10                   | 0.188                       | 23.68                   | 24.50                             | 1.208             | 0.227                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 158600 | 793            | 25         | 14          | -0.02                  | 0.121                       | 23.68                   | 24.50                             | 1.208             | 0.146                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 158600 | 793            | 25         | 14          | -0.12                  | 0.051                       | 23.68                   | 24.50                             | 1.208             | 0.062                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 158600 | 793            | 25         | 14          | 0.16                   | 0.065                       | 23.68                   | 24.50                             | 1.208             | 0.079                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 158600 | 793            | 25         | 14          | 0.13                   | 0.062                       | 23.68                   | 24.50                             | 1.208             | 0.075                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 158600 | 793            | 1          | 1           | 0.03                   | 0.720                        | 23.77                   | 24.50                             | 1.183             | <b>0.852</b>                   | 60#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 158600 | 793            | 1          | 1           | 0.18                   | 0.671                        | 23.77                   | 24.50                             | 1.183             | 0.794                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 158600 | 793            | 1          | 1           | 0.07                   | 0.042                        | 23.77                   | 24.50                             | 1.183             | 0.050                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 158600 | 793            | 1          | 1           | -0.15                  | 0.151                        | 23.77                   | 24.50                             | 1.183             | 0.179                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 158600 | 793            | 1          | 1           | 0.12                   | 0.250                        | 23.77                   | 24.50                             | 1.183             | 0.296                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 158600 | 793            | 25         | 14          | 0.02                   | 0.688                        | 23.68                   | 24.50                             | 1.208             | 0.831                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 158600 | 793            | 25         | 14          | 0.05                   | 0.656                        | 23.68                   | 24.50                             | 1.208             | 0.792                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 158600 | 793            | 25         | 14          | -0.04                  | 0.035                        | 23.68                   | 24.50                             | 1.208             | 0.042                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 158600 | 793            | 25         | 14          | 0.11                   | 0.133                        | 23.68                   | 24.50                             | 1.208             | 0.161                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 158600 | 793            | 25         | 14          | 0.04                   | 0.233                        | 23.68                   | 24.50                             | 1.208             | 0.281                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.22 NR n25 (20MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| Head                                                                           |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 376500 | 1882.5         | 1          | 53          | 0.01                   | 0.273                       | 23.94                   | 24.50                             | 1.138             | <b>0.311</b>                  | 61#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 376500 | 1882.5         | 1          | 53          | -0.16                  | 0.100                       | 23.94                   | 24.50                             | 1.138             | 0.114                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 376500 | 1882.5         | 1          | 53          | 0.07                   | 0.154                       | 23.94                   | 24.50                             | 1.138             | 0.175                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 376500 | 1882.5         | 1          | 53          | 0.04                   | 0.104                       | 23.94                   | 24.50                             | 1.138             | 0.118                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 376500 | 1882.5         | 50         | 28          | 0.14                   | 0.268                       | 23.89                   | 24.50                             | 1.151             | 0.308                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 376500 | 1882.5         | 50         | 28          | -0.12                  | 0.097                       | 23.89                   | 24.50                             | 1.151             | 0.112                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 376500 | 1882.5         | 50         | 28          | -0.12                  | 0.152                       | 23.89                   | 24.50                             | 1.151             | 0.175                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 376500 | 1882.5         | 50         | 28          | 0.00                   | 0.105                       | 23.89                   | 24.50                             | 1.151             | 0.121                         | /            |
| Body-Worn&Hotspot                                                              |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 376500 | 1882.5         | 1          | 53          | 0.04                   | 0.586                       | 23.94                   | 24.50                             | 1.138             | 0.667                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 376500 | 1882.5         | 1          | 53          | 0.00                   | 0.610                       | 23.94                   | 24.50                             | 1.138             | <b>0.694</b>                  | 62#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 376500 | 1882.5         | 1          | 53          | -0.14                  | 0.026                       | 23.94                   | 24.50                             | 1.138             | 0.030                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 376500 | 1882.5         | 1          | 53          | -0.08                  | 0.387                       | 23.94                   | 24.50                             | 1.138             | 0.440                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 376500 | 1882.5         | 1          | 53          | -0.10                  | 0.324                       | 23.94                   | 24.50                             | 1.138             | 0.369                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 376500 | 1882.5         | 50         | 28          | 0.05                   | 0.576                       | 23.89                   | 24.50                             | 1.151             | 0.663                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 376500 | 1882.5         | 50         | 28          | 0.03                   | 0.579                       | 23.89                   | 24.50                             | 1.151             | 0.666                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 376500 | 1882.5         | 50         | 28          | 0.11                   | 0.021                       | 23.89                   | 24.50                             | 1.151             | 0.024                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 376500 | 1882.5         | 50         | 28          | -0.18                  | 0.371                       | 23.89                   | 24.50                             | 1.151             | 0.427                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 376500 | 1882.5         | 50         | 28          | -0.11                  | 0.313                       | 23.89                   | 24.50                             | 1.151             | 0.360                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| Extremity                                                                      |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 376500 | 1882.5         | 1          | 53          | 0.06                   | 2.230                        | 23.94                   | 24.50                             | 1.138             | 2.537                          | 63#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 376500 | 1882.5         | 1          | 53          | 0.06                   | 1.030                        | 23.94                   | 24.50                             | 1.138             | 1.172                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 376500 | 1882.5         | 1          | 53          | -0.17                  | 0.027                        | 23.94                   | 24.50                             | 1.138             | 0.031                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 376500 | 1882.5         | 1          | 53          | 0.12                   | 1.418                        | 23.94                   | 24.50                             | 1.138             | 1.613                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 376500 | 1882.5         | 1          | 53          | 0.13                   | 1.567                        | 23.94                   | 24.50                             | 1.138             | 1.783                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 372000 | 1860           | 1          | 53          | -0.16                  | 2.195                        | 23.93                   | 24.50                             | 1.140             | 2.503                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 381000 | 1905           | 1          | 53          | -0.13                  | 2.131                        | 23.88                   | 24.50                             | 1.153             | 2.458                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 376500 | 1882.5         | 50         | 28          | -0.16                  | 2.181                        | 23.94                   | 24.50                             | 1.138             | 2.481                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 376500 | 1882.5         | 50         | 28          | 0.01                   | 0.968                        | 23.94                   | 24.50                             | 1.138             | 1.101                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 376500 | 1882.5         | 50         | 28          | -0.17                  | 0.025                        | 23.94                   | 24.50                             | 1.138             | 0.028                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 376500 | 1882.5         | 50         | 28          | 0.01                   | 1.376                        | 23.94                   | 24.50                             | 1.138             | 1.565                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 376500 | 1882.5         | 50         | 28          | -0.17                  | 1.560                        | 23.94                   | 24.50                             | 1.138             | 1.775                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 372000 | 1860           | 50         | 28          | 0.14                   | 2.159                        | 23.93                   | 24.50                             | 1.140             | 2.462                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 381000 | 1905           | 50         | 28          | -0.01                  | 2.124                        | 23.88                   | 24.50                             | 1.153             | 2.450                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 381000 | 1905           | 100        | 0           | 0.05                   | 1.770                        | 23.47                   | 23.50                             | 1.007             | 1.782                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.23 NR n26 (20MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 166300 | 831.5          | 1          | 53          | 0.07                   | 0.091                       | 23.76                   | 24.50                             | 1.186             | <b>0.108</b>                  | 64#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 166300 | 831.5          | 1          | 53          | 0.16                   | 0.089                       | 23.76                   | 24.50                             | 1.186             | 0.106                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 166300 | 831.5          | 1          | 53          | -0.13                  | 0.089                       | 23.76                   | 24.50                             | 1.186             | 0.106                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 166300 | 831.5          | 1          | 53          | 0.08                   | 0.072                       | 23.76                   | 24.50                             | 1.186             | 0.085                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 166300 | 831.5          | 50         | 28          | -0.17                  | 0.081                       | 23.72                   | 24.50                             | 1.197             | 0.097                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 166300 | 831.5          | 50         | 28          | 0.07                   | 0.088                       | 23.72                   | 24.50                             | 1.197             | 0.105                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 166300 | 831.5          | 50         | 28          | -0.01                  | 0.083                       | 23.72                   | 24.50                             | 1.197             | 0.099                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 166300 | 831.5          | 50         | 28          | -0.06                  | 0.063                       | 23.72                   | 24.50                             | 1.197             | 0.075                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 166300 | 831.5          | 1          | 53          | 0.02                   | 0.240                       | 23.76                   | 24.50                             | 1.186             | <b>0.285</b>                  | 65#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 166300 | 831.5          | 1          | 53          | 0.19                   | 0.165                       | 23.76                   | 24.50                             | 1.186             | 0.196                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 166300 | 831.5          | 1          | 53          | -0.16                  | 0.059                       | 23.76                   | 24.50                             | 1.186             | 0.070                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 166300 | 831.5          | 1          | 53          | -0.08                  | 0.063                       | 23.76                   | 24.50                             | 1.186             | 0.075                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 166300 | 831.5          | 1          | 53          | -0.13                  | 0.093                       | 23.76                   | 24.50                             | 1.186             | 0.110                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 166300 | 831.5          | 50         | 28          | 0.07                   | 0.221                       | 23.72                   | 24.50                             | 1.197             | 0.264                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 166300 | 831.5          | 50         | 28          | 0.03                   | 0.154                       | 23.72                   | 24.50                             | 1.197             | 0.184                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 166300 | 831.5          | 50         | 28          | -0.16                  | 0.051                       | 23.72                   | 24.50                             | 1.197             | 0.061                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 166300 | 831.5          | 50         | 28          | 0.02                   | 0.061                       | 23.72                   | 24.50                             | 1.197             | 0.073                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 166300 | 831.5          | 50         | 28          | 0.01                   | 0.085                       | 23.72                   | 24.50                             | 1.197             | 0.102                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 166300 | 831.5          | 1          | 53          | 0.02                   | 0.968                        | 23.76                   | 24.50                             | 1.186             | <b>1.148</b>                   | 66#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 166300 | 831.5          | 1          | 53          | 0.02                   | 0.846                        | 23.76                   | 24.50                             | 1.186             | 1.003                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 166300 | 831.5          | 1          | 53          | 0.05                   | 0.062                        | 23.76                   | 24.50                             | 1.186             | 0.074                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 166300 | 831.5          | 1          | 53          | 0.18                   | 0.181                        | 23.76                   | 24.50                             | 1.186             | 0.215                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 166300 | 831.5          | 1          | 53          | 0.06                   | 0.361                        | 23.76                   | 24.50                             | 1.186             | 0.428                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 166300 | 831.5          | 50         | 28          | 0.15                   | 0.921                        | 23.72                   | 24.50                             | 1.197             | 1.102                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 166300 | 831.5          | 50         | 28          | -0.13                  | 0.811                        | 23.72                   | 24.50                             | 1.197             | 0.971                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 166300 | 831.5          | 50         | 28          | 0.09                   | 0.055                        | 23.72                   | 24.50                             | 1.197             | 0.066                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 166300 | 831.5          | 50         | 28          | 0.11                   | 0.174                        | 23.72                   | 24.50                             | 1.197             | 0.208                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 166300 | 831.5          | 50         | 28          | -0.17                  | 0.334                        | 23.72                   | 24.50                             | 1.197             | 0.400                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.24 NR n30 (10MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| Head                                                                           |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 462000 | 2310           | 1          | 1           | -0.01                  | 0.462                       | 23.52                   | 24.50                             | 1.253             | <b>0.579</b>                  | 67#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 462000 | 2310           | 1          | 1           | -0.15                  | 0.095                       | 23.52                   | 24.50                             | 1.253             | 0.119                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 462000 | 2310           | 1          | 1           | -0.06                  | 0.203                       | 23.52                   | 24.50                             | 1.253             | 0.254                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 462000 | 2310           | 1          | 1           | -0.05                  | 0.157                       | 23.52                   | 24.50                             | 1.253             | 0.197                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 462000 | 2310           | 25         | 14          | 0.07                   | 0.416                       | 23.07                   | 24.50                             | 1.390             | 0.578                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 462000 | 2310           | 25         | 14          | 0.18                   | 0.098                       | 23.07                   | 24.50                             | 1.390             | 0.136                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 462000 | 2310           | 25         | 14          | 0.13                   | 0.205                       | 23.07                   | 24.50                             | 1.390             | 0.285                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 462000 | 2310           | 25         | 14          | 0.16                   | 0.160                       | 23.07                   | 24.50                             | 1.390             | 0.222                         | /            |
| Body-Worn&Hotspot                                                              |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 462000 | 2310           | 1          | 1           | -0.02                  | 0.426                       | 23.52                   | 24.50                             | 1.253             | <b>0.534</b>                  | 68#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 462000 | 2310           | 1          | 1           | 0.05                   | 0.410                       | 23.52                   | 24.50                             | 1.253             | 0.514                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 462000 | 2310           | 1          | 1           | -0.09                  | 0.020                       | 23.52                   | 24.50                             | 1.253             | 0.025                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 462000 | 2310           | 1          | 1           | -0.01                  | 0.308                       | 23.52                   | 24.50                             | 1.253             | 0.386                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 462000 | 2310           | 1          | 1           | -0.05                  | 0.422                       | 23.52                   | 24.50                             | 1.253             | 0.529                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 462000 | 2310           | 25         | 14          | 0.17                   | 0.356                       | 23.07                   | 24.50                             | 1.390             | 0.495                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 462000 | 2310           | 25         | 14          | 0.13                   | 0.311                       | 23.07                   | 24.50                             | 1.390             | 0.432                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 462000 | 2310           | 25         | 14          | 0.11                   | 0.009                       | 23.07                   | 24.50                             | 1.390             | 0.013                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 462000 | 2310           | 25         | 14          | -0.14                  | 0.256                       | 23.07                   | 24.50                             | 1.390             | 0.356                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 462000 | 2310           | 25         | 14          | -0.12                  | 0.347                       | 23.07                   | 24.50                             | 1.390             | 0.482                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| Extremity                                                                      |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 462000 | 2310           | 1          | 1           | -0.13                  | 1.380                        | 23.52                   | 24.50                             | 1.253             | 1.729                          | 69#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 462000 | 2310           | 1          | 1           | 0.10                   | 1.120                        | 23.52                   | 24.50                             | 1.253             | 1.404                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 462000 | 2310           | 1          | 1           | -0.10                  | 0.060                        | 23.52                   | 24.50                             | 1.253             | 0.075                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 462000 | 2310           | 1          | 1           | -0.18                  | 0.920                        | 23.52                   | 24.50                             | 1.253             | 1.153                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 462000 | 2310           | 1          | 1           | -0.03                  | 0.938                        | 23.52                   | 24.50                             | 1.253             | 1.175                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 462000 | 2310           | 25         | 14          | -0.04                  | 1.210                        | 23.07                   | 24.50                             | 1.390             | 1.682                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 462000 | 2310           | 25         | 14          | -0.15                  | 1.040                        | 23.07                   | 24.50                             | 1.390             | 1.446                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 462000 | 2310           | 25         | 14          | -0.04                  | 0.041                        | 23.07                   | 24.50                             | 1.390             | 0.057                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 462000 | 2310           | 25         | 14          | 0.16                   | 0.813                        | 23.07                   | 24.50                             | 1.390             | 1.130                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 462000 | 2310           | 25         | 14          | 0.03                   | 0.806                        | 23.07                   | 24.50                             | 1.390             | 1.120                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.25 NR n66 (20MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 349000 | 1745           | 1          | 53          | -0.01                  | 0.514                       | 24.13                   | 24.50                             | 1.089             | <b>0.560</b>                  | 70#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 349000 | 1745           | 1          | 53          | 0.07                   | 0.202                       | 24.13                   | 24.50                             | 1.089             | 0.220                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 349000 | 1745           | 1          | 53          | 0.08                   | 0.257                       | 24.13                   | 24.50                             | 1.089             | 0.280                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 349000 | 1745           | 1          | 53          | -0.13                  | 0.194                       | 24.13                   | 24.50                             | 1.089             | 0.211                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 349000 | 1745           | 50         | 28          | -0.17                  | 0.485                       | 23.93                   | 24.50                             | 1.140             | 0.553                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 349000 | 1745           | 50         | 28          | 0.07                   | 0.199                       | 23.93                   | 24.50                             | 1.140             | 0.227                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 349000 | 1745           | 50         | 28          | -0.01                  | 0.251                       | 23.93                   | 24.50                             | 1.140             | 0.286                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 349000 | 1745           | 50         | 28          | -0.11                  | 0.198                       | 23.93                   | 24.50                             | 1.140             | 0.226                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 349000 | 1745           | 1          | 1           | 0.08                   | 0.033                       | 23.38                   | 24.00                             | 1.153             | 0.038                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 349000 | 1745           | 1          | 1           | 0.15                   | 0.016                       | 23.38                   | 24.00                             | 1.153             | 0.018                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 349000 | 1745           | 1          | 1           | -0.07                  | 0.025                       | 23.38                   | 24.00                             | 1.153             | 0.029                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 349000 | 1745           | 1          | 1           | 0.07                   | 0.011                       | 23.38                   | 24.00                             | 1.153             | 0.013                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 349000 | 1745           | 50         | 28          | 0.04                   | 0.030                       | 23.36                   | 24.00                             | 1.159             | 0.035                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 349000 | 1745           | 50         | 28          | 0.05                   | 0.016                       | 23.36                   | 24.00                             | 1.159             | 0.019                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 349000 | 1745           | 50         | 28          | 0.05                   | 0.026                       | 23.36                   | 24.00                             | 1.159             | 0.030                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 349000 | 1745           | 50         | 28          | 0.13                   | 0.006                       | 23.36                   | 24.00                             | 1.159             | 0.007                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 349000 | 1745           | 1          | 53          | -0.01                  | 0.214                       | 24.13                   | 24.50                             | 1.089             | <b>0.233</b>                  | 71#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 349000 | 1745           | 1          | 53          | 0.10                   | 0.133                       | 24.13                   | 24.50                             | 1.089             | 0.145                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 349000 | 1745           | 1          | 53          | 0.05                   | 0.017                       | 24.13                   | 24.50                             | 1.089             | 0.019                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 349000 | 1745           | 1          | 53          | -0.04                  | 0.138                       | 24.13                   | 24.50                             | 1.089             | 0.150                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 349000 | 1745           | 1          | 53          | -0.11                  | 0.198                       | 24.13                   | 24.50                             | 1.089             | 0.216                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 349000 | 1745           | 50         | 28          | 0.04                   | 0.203                       | 23.93                   | 24.50                             | 1.140             | 0.231                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 349000 | 1745           | 50         | 28          | -0.09                  | 0.125                       | 23.93                   | 24.50                             | 1.140             | 0.143                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 349000 | 1745           | 50         | 28          | -0.06                  | 0.015                       | 23.93                   | 24.50                             | 1.140             | 0.017                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 349000 | 1745           | 50         | 28          | 0.04                   | 0.130                       | 23.93                   | 24.50                             | 1.140             | 0.148                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 349000 | 1745           | 50         | 28          | -0.15                  | 0.184                       | 23.93                   | 24.50                             | 1.140             | 0.210                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 349000 | 1745           | 1          | 1           | 0.12                   | 0.032                       | 23.38                   | 24.00                             | 1.153             | 0.037                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 349000 | 1745           | 1          | 1           | -0.03                  | 0.035                       | 23.38                   | 24.00                             | 1.153             | 0.040                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 349000 | 1745           | 1          | 1           | -0.12                  | 0.005                       | 23.38                   | 24.00                             | 1.153             | 0.006                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 349000 | 1745           | 50         | 28          | -0.04                  | 0.029                       | 23.36                   | 24.00                             | 1.159             | 0.034                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 349000 | 1745           | 50         | 28          | 0.08                   | 0.034                       | 23.36                   | 24.00                             | 1.159             | 0.039                         | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 349000 | 1745           | 50         | 28          | 0.07                   | 0.010                       | 23.36                   | 24.00                             | 1.159             | 0.012                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| Extremity                                                                      |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 349000 | 1745           | 1          | 53          | -0.01                  | 1.190                        | 24.13                   | 24.50                             | 1.089             | 1.296                          | 72#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 349000 | 1745           | 1          | 53          | -0.12                  | 0.717                        | 24.13                   | 24.50                             | 1.089             | 0.781                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 349000 | 1745           | 1          | 53          | 0.15                   | 0.033                        | 24.13                   | 24.50                             | 1.089             | 0.036                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 349000 | 1745           | 1          | 53          | -0.13                  | 0.649                        | 24.13                   | 24.50                             | 1.089             | 0.707                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 349000 | 1745           | 1          | 53          | -0.05                  | 0.722                        | 24.13                   | 24.50                             | 1.089             | 0.786                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 349000 | 1745           | 50         | 28          | -0.06                  | 1.121                        | 23.93                   | 24.50                             | 1.140             | 1.278                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 349000 | 1745           | 50         | 28          | -0.16                  | 0.666                        | 23.93                   | 24.50                             | 1.140             | 0.759                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 349000 | 1745           | 50         | 28          | 0.13                   | 0.027                        | 23.93                   | 24.50                             | 1.140             | 0.031                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 349000 | 1745           | 50         | 28          | -0.15                  | 0.571                        | 23.93                   | 24.50                             | 1.140             | 0.651                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 349000 | 1745           | 50         | 28          | -0.09                  | 0.683                        | 23.93                   | 24.50                             | 1.140             | 0.779                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 349000 | 1745           | 1          | 1           | 0.05                   | 0.206                        | 23.38                   | 24.00                             | 1.153             | 0.238                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 349000 | 1745           | 1          | 1           | 0.09                   | 0.245                        | 23.38                   | 24.00                             | 1.153             | 0.283                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 349000 | 1745           | 1          | 1           | 0.17                   | 0.031                        | 23.38                   | 24.00                             | 1.153             | 0.036                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 349000 | 1745           | 50         | 28          | 0.16                   | 0.201                        | 23.36                   | 24.00                             | 1.159             | 0.233                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 349000 | 1745           | 50         | 28          | -0.15                  | 0.234                        | 23.36                   | 24.00                             | 1.159             | 0.271                          | /            |
| ANT2                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 349000 | 1745           | 50         | 28          | 0.10                   | 0.061                        | 23.36                   | 24.00                             | 1.159             | 0.071                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.26 NR n71 (20MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 136100 | 680.5          | 1          | 53          | 0.04                   | 0.078                       | 23.74                   | 24.50                             | 1.191             | <b>0.093</b>                  | 73#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 136100 | 680.5          | 1          | 53          | -0.15                  | 0.011                       | 23.74                   | 24.50                             | 1.191             | 0.013                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 136100 | 680.5          | 1          | 53          | 0.07                   | 0.067                       | 23.74                   | 24.50                             | 1.191             | 0.080                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 136100 | 680.5          | 1          | 53          | -0.18                  | 0.007                       | 23.74                   | 24.50                             | 1.191             | 0.008                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 136100 | 680.5          | 50         | 28          | -0.06                  | 0.071                       | 23.65                   | 24.50                             | 1.216             | 0.086                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 136100 | 680.5          | 50         | 28          | 0.04                   | 0.005                       | 23.65                   | 24.50                             | 1.216             | 0.006                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 136100 | 680.5          | 50         | 28          | 0.03                   | 0.065                       | 23.65                   | 24.50                             | 1.216             | 0.079                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 136100 | 680.5          | 50         | 28          | -0.08                  | 0.006                       | 23.65                   | 24.50                             | 1.216             | 0.007                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 136100 | 680.5          | 1          | 53          | 0.07                   | 0.121                       | 23.74                   | 24.50                             | 1.191             | 0.144                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 136100 | 680.5          | 1          | 53          | -0.13                  | 0.086                       | 23.74                   | 24.50                             | 1.191             | 0.102                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 136100 | 680.5          | 1          | 53          | 0.10                   | 0.056                       | 23.74                   | 24.50                             | 1.191             | 0.067                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 136100 | 680.5          | 1          | 53          | -0.11                  | 0.088                       | 23.74                   | 24.50                             | 1.191             | 0.105                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 136100 | 680.5          | 1          | 53          | -0.08                  | 0.013                       | 23.74                   | 24.50                             | 1.191             | 0.015                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 136100 | 680.5          | 50         | 28          | 0.06                   | 0.132                       | 23.65                   | 24.50                             | 1.216             | <b>0.161</b>                  | 74#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 136100 | 680.5          | 50         | 28          | 0.01                   | 0.095                       | 23.65                   | 24.50                             | 1.216             | 0.116                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 136100 | 680.5          | 50         | 28          | 0.11                   | 0.061                       | 23.65                   | 24.50                             | 1.216             | 0.074                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 136100 | 680.5          | 50         | 28          | 0.01                   | 0.092                       | 23.65                   | 24.50                             | 1.216             | 0.112                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 136100 | 680.5          | 50         | 28          | 0.15                   | 0.005                       | 23.65                   | 24.50                             | 1.216             | 0.006                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 136100 | 680.5          | 1          | 53          | 0.02                   | 0.868                        | 23.74                   | 24.50                             | 1.191             | 1.034                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 136100 | 680.5          | 1          | 53          | -0.18                  | 0.721                        | 23.74                   | 24.50                             | 1.191             | 0.859                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 136100 | 680.5          | 1          | 53          | -0.04                  | 0.045                        | 23.74                   | 24.50                             | 1.191             | 0.054                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 136100 | 680.5          | 1          | 53          | 0.10                   | 0.108                        | 23.74                   | 24.50                             | 1.191             | 0.129                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 136100 | 680.5          | 1          | 53          | -0.17                  | 0.198                        | 23.74                   | 24.50                             | 1.191             | 0.236                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 136100 | 680.5          | 50         | 28          | 0.04                   | 0.979                        | 23.65                   | 24.50                             | 1.216             | <b>1.191</b>                   | 75#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 136100 | 680.5          | 50         | 28          | -0.19                  | 0.744                        | 23.65                   | 24.50                             | 1.216             | 0.905                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 136100 | 680.5          | 50         | 28          | -0.07                  | 0.047                        | 23.65                   | 24.50                             | 1.216             | 0.057                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 136100 | 680.5          | 50         | 28          | 0.00                   | 0.117                        | 23.65                   | 24.50                             | 1.216             | 0.142                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 136100 | 680.5          | 50         | 28          | -0.08                  | 0.214                        | 23.65                   | 24.50                             | 1.216             | 0.260                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.27 NR n38 (40MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 519000 | 2595           | 1          | 53          | -0.01                  | 0.349                       | 23.93                   | 24.50                             | 1.140             | <b>0.398</b>                  | 76#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 519000 | 2595           | 1          | 53          | -0.12                  | 0.072                       | 23.93                   | 24.50                             | 1.140             | 0.082                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 519000 | 2595           | 1          | 53          | -0.18                  | 0.191                       | 23.93                   | 24.50                             | 1.140             | 0.218                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 519000 | 2595           | 1          | 53          | -0.11                  | 0.128                       | 23.93                   | 24.50                             | 1.140             | 0.146                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 520000 | 2600           | 50         | 28          | 0.06                   | 0.319                       | 23.83                   | 24.50                             | 1.167             | 0.372                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 520000 | 2600           | 50         | 28          | -0.03                  | 0.066                       | 23.83                   | 24.50                             | 1.167             | 0.077                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 520000 | 2600           | 50         | 28          | 0.11                   | 0.181                       | 23.83                   | 24.50                             | 1.167             | 0.211                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 520000 | 2600           | 50         | 28          | 0.07                   | 0.124                       | 23.83                   | 24.50                             | 1.167             | 0.145                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 519000 | 2595           | 1          | 53          | 0.05                   | 0.472                       | 23.93                   | 24.50                             | 1.140             | <b>0.538</b>                  | 77#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 519000 | 2595           | 1          | 53          | -0.05                  | 0.256                       | 23.93                   | 24.50                             | 1.140             | 0.292                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 519000 | 2595           | 1          | 53          | -0.05                  | 0.020                       | 23.93                   | 24.50                             | 1.140             | 0.023                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 519000 | 2595           | 1          | 53          | -0.05                  | 0.436                       | 23.93                   | 24.50                             | 1.140             | 0.497                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 519000 | 2595           | 1          | 53          | -0.11                  | 0.343                       | 23.93                   | 24.50                             | 1.140             | 0.391                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 520000 | 2600           | 50         | 28          | -0.05                  | 0.435                       | 23.83                   | 24.50                             | 1.167             | 0.508                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 520000 | 2600           | 50         | 28          | 0.06                   | 0.241                       | 23.83                   | 24.50                             | 1.167             | 0.281                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 520000 | 2600           | 50         | 28          | 0.17                   | 0.016                       | 23.83                   | 24.50                             | 1.167             | 0.019                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 10            | 520000 | 2600           | 50         | 28          | 0.03                   | 0.421                       | 23.83                   | 24.50                             | 1.167             | 0.491                         | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 10            | 520000 | 2600           | 50         | 28          | -0.02                  | 0.316                       | 23.83                   | 24.50                             | 1.167             | 0.369                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 519000 | 2595           | 1          | 53          | -0.05                  | 0.968                        | 23.93                   | 24.50                             | 1.140             | <b>1.104</b>                   | 78#          |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 519000 | 2595           | 1          | 53          | -0.06                  | 0.410                        | 23.93                   | 24.50                             | 1.140             | 0.468                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 519000 | 2595           | 1          | 53          | 0.18                   | 0.012                        | 23.93                   | 24.50                             | 1.140             | 0.014                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 519000 | 2595           | 1          | 53          | -0.07                  | 0.860                        | 23.93                   | 24.50                             | 1.140             | 0.981                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 519000 | 2595           | 1          | 53          | -0.17                  | 0.550                        | 23.93                   | 24.50                             | 1.140             | 0.627                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Front Side  | 0             | 520000 | 2600           | 50         | 28          | 0.07                   | 0.924                        | 23.83                   | 24.50                             | 1.167             | 1.078                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Back Side   | 0             | 520000 | 2600           | 50         | 28          | 0.06                   | 0.395                        | 23.83                   | 24.50                             | 1.167             | 0.461                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Left Edge   | 0             | 520000 | 2600           | 50         | 28          | -0.11                  | 0.011                        | 23.83                   | 24.50                             | 1.167             | 0.013                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Right Edge  | 0             | 520000 | 2600           | 50         | 28          | 0.06                   | 0.803                        | 23.83                   | 24.50                             | 1.167             | 0.937                          | /            |
| ANT0                                                                           | DFT-s-OFDM BPSK | Bottom Edge | 0             | 520000 | 2600           | 50         | 28          | -0.05                  | 0.506                        | 23.83                   | 24.50                             | 1.167             | 0.590                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.28 NR n41 (100MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT3                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 518598 | 2592.99        | 1          | 271         | 0.15                   | 0.143                       | 25.92                   | 26.00                             | 1.019             | 0.146                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 518598 | 2592.99        | 1          | 271         | -0.01                  | 0.074                       | 25.92                   | 26.00                             | 1.019             | 0.075                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 518598 | 2592.99        | 1          | 271         | -0.08                  | 0.373                       | 25.92                   | 26.00                             | 1.019             | <b>0.380</b>                  | 79#          |
| ANT3                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 518598 | 2592.99        | 1          | 271         | -0.03                  | 0.044                       | 25.92                   | 26.00                             | 1.019             | 0.045                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 518598 | 2592.99        | 135        | 69          | -0.17                  | 0.167                       | 25.92                   | 26.00                             | 1.019             | 0.170                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 518598 | 2592.99        | 135        | 69          | 0.19                   | 0.068                       | 25.92                   | 26.00                             | 1.019             | 0.069                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 518598 | 2592.99        | 135        | 69          | -0.12                  | 0.369                       | 25.92                   | 26.00                             | 1.019             | 0.376                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 518598 | 2592.99        | 135        | 69          | 0.04                   | 0.054                       | 25.92                   | 26.00                             | 1.019             | 0.055                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT3                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 518598 | 2592.99        | 1          | 271         | 0.04                   | 0.082                       | 25.92                   | 26.00                             | 1.019             | 0.084                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 518598 | 2592.99        | 1          | 271         | 0.13                   | 0.101                       | 25.92                   | 26.00                             | 1.019             | 0.103                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 518598 | 2592.99        | 1          | 271         | -0.13                  | 0.134                       | 25.92                   | 26.00                             | 1.019             | <b>0.136</b>                  | 80#          |
| ANT3                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 518598 | 2592.99        | 135        | 69          | -0.12                  | 0.087                       | 25.92                   | 26.00                             | 1.019             | 0.089                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 518598 | 2592.99        | 135        | 69          | -0.19                  | 0.106                       | 25.92                   | 26.00                             | 1.019             | 0.108                         | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 518598 | 2592.99        | 135        | 69          | -0.09                  | 0.122                       | 25.92                   | 26.00                             | 1.019             | 0.124                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position   | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT3                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 518598 | 2592.99        | 1          | 271         | -0.03                  | 0.336                        | 25.92                   | 26.00                             | 1.019             | 0.342                          | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 518598 | 2592.99        | 1          | 271         | -0.08                  | 0.563                        | 25.92                   | 26.00                             | 1.019             | 0.573                          | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 518598 | 2592.99        | 1          | 271         | -0.11                  | 1.150                        | 25.92                   | 26.00                             | 1.019             | <b>1.171</b>                   | 81#          |
| ANT3                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 518598 | 2592.99        | 135        | 69          | 0.16                   | 0.372                        | 25.92                   | 26.00                             | 1.019             | 0.379                          | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 518598 | 2592.99        | 135        | 69          | -0.14                  | 0.611                        | 25.92                   | 26.00                             | 1.019             | 0.622                          | /            |
| ANT3                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 518598 | 2592.99        | 135        | 69          | -0.15                  | 1.020                        | 25.92                   | 26.00                             | 1.019             | 1.039                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.29 NR n77 (3450MHz-3550MHz) (100MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 633334 | 3500           | 1          | 271         | -0.18                  | 0.334                       | 27.05                   | 27.50                             | 1.109             | 0.370                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 633334 | 3500           | 1          | 271         | 0.01                   | 0.195                       | 27.05                   | 27.50                             | 1.109             | 0.216                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 633334 | 3500           | 1          | 271         | 0.01                   | 0.680                       | 27.05                   | 27.50                             | 1.109             | <b>0.754</b>                  | 82#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 633334 | 3500           | 1          | 271         | 0.02                   | 0.127                       | 27.05                   | 27.50                             | 1.109             | 0.141                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 633334 | 3500           | 135        | 69          | -0.18                  | 0.148                       | 26.41                   | 27.50                             | 1.285             | 0.190                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 633334 | 3500           | 135        | 69          | 0.02                   | 0.090                       | 26.41                   | 27.50                             | 1.285             | 0.116                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 633334 | 3500           | 135        | 69          | -0.08                  | 0.271                       | 26.41                   | 27.50                             | 1.285             | 0.348                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 633334 | 3500           | 135        | 69          | -0.08                  | 0.056                       | 26.41                   | 27.50                             | 1.285             | 0.072                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 633334 | 3500           | 1          | 271         | -0.10                  | 0.137                       | 27.05                   | 27.50                             | 1.109             | 0.152                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 633334 | 3500           | 1          | 271         | 0.03                   | 0.165                       | 27.05                   | 27.50                             | 1.109             | 0.183                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 633334 | 3500           | 1          | 271         | -0.10                  | 0.185                       | 27.05                   | 27.50                             | 1.109             | 0.205                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 633334 | 3500           | 135        | 69          | 0.16                   | 0.134                       | 26.41                   | 27.50                             | 1.285             | 0.172                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 633334 | 3500           | 135        | 69          | -0.04                  | 0.225                       | 26.41                   | 27.50                             | 1.285             | <b>0.289</b>                  | 83#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 633334 | 3500           | 135        | 69          | 0.09                   | 0.220                       | 26.41                   | 27.50                             | 1.285             | 0.283                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position   | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 633334 | 3500           | 1          | 271         | -0.03                  | 0.237                        | 27.05                   | 27.50                             | 1.109             | 0.263                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 633334 | 3500           | 1          | 271         | 0.06                   | 0.260                        | 27.05                   | 27.50                             | 1.109             | 0.288                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 633334 | 3500           | 1          | 271         | 0.11                   | 0.605                        | 27.05                   | 27.50                             | 1.109             | 0.671                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 633334 | 3500           | 135        | 69          | -0.09                  | 0.272                        | 26.41                   | 27.50                             | 1.285             | 0.350                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 633334 | 3500           | 135        | 69          | 0.00                   | 0.265                        | 26.41                   | 27.50                             | 1.285             | 0.341                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 633334 | 3500           | 135        | 69          | 0.03                   | 0.658                        | 26.41                   | 27.50                             | 1.285             | <b>0.846</b>                   | 84#          |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.30 NR n77 (3700MHz-3980MHz) (100MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 656000 | 3840           | 1          | 137         | -0.16                  | 0.008                       | 26.96                   | 27.50                             | 1.132             | 0.009                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 656000 | 3840           | 1          | 137         | -0.02                  | 0.007                       | 26.96                   | 27.50                             | 1.132             | 0.008                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 656000 | 3840           | 1          | 137         | -0.15                  | 0.037                       | 26.96                   | 27.50                             | 1.132             | <b>0.042</b>                  | 85#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 656000 | 3840           | 1          | 137         | 0.10                   | 0.006                       | 26.96                   | 27.50                             | 1.132             | 0.007                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 656000 | 3840           | 135        | 69          | 0.01                   | 0.008                       | 27.08                   | 27.50                             | 1.102             | 0.009                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 656000 | 3840           | 135        | 69          | 0.03                   | 0.006                       | 27.08                   | 27.50                             | 1.102             | 0.007                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 656000 | 3840           | 135        | 69          | 0.05                   | 0.014                       | 27.08                   | 27.50                             | 1.102             | 0.015                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 656000 | 3840           | 135        | 69          | 0.08                   | 0.004                       | 27.08                   | 27.50                             | 1.102             | 0.004                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 656000 | 3840           | 1          | 137         | -0.16                  | 0.016                       | 26.96                   | 27.50                             | 1.132             | 0.018                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 656000 | 3840           | 1          | 137         | 0.03                   | 0.044                       | 26.96                   | 27.50                             | 1.132             | <b>0.050</b>                  | 86#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 656000 | 3840           | 1          | 137         | 0.02                   | 0.021                       | 26.96                   | 27.50                             | 1.132             | 0.024                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 656000 | 3840           | 135        | 69          | -0.19                  | 0.013                       | 27.08                   | 27.50                             | 1.102             | 0.014                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 656000 | 3840           | 135        | 69          | -0.02                  | 0.031                       | 27.08                   | 27.50                             | 1.102             | 0.034                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 656000 | 3840           | 135        | 69          | 0.06                   | 0.021                       | 27.08                   | 27.50                             | 1.102             | 0.023                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position   | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 656000 | 3840           | 1          | 137         | -0.03                  | 0.049                        | 26.96                   | 27.50                             | 1.132             | 0.055                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 656000 | 3840           | 1          | 137         | 0.11                   | 0.080                        | 26.96                   | 27.50                             | 1.132             | 0.091                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 656000 | 3840           | 1          | 137         | -0.17                  | 0.135                        | 26.96                   | 27.50                             | 1.132             | <b>0.153</b>                   | 87#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 656000 | 3840           | 135        | 69          | 0.00                   | 0.045                        | 27.08                   | 27.50                             | 1.102             | 0.050                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 656000 | 3840           | 135        | 69          | 0.16                   | 0.079                        | 27.08                   | 27.50                             | 1.102             | 0.087                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 656000 | 3840           | 135        | 69          | 0.04                   | 0.128                        | 27.08                   | 27.50                             | 1.102             | 0.141                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.31 NR n78 (3450MHz-3550MHz) (100MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 633334 | 3500           | 1          | 137         | 0.12                   | 0.090                       | 26.74                   | 27.50                             | 1.191             | 0.107                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 633334 | 3500           | 1          | 137         | -0.170                 | 0.052                       | 26.74                   | 27.50                             | 1.191             | 0.062                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 633334 | 3500           | 1          | 137         | -0.150                 | 0.176                       | 26.74                   | 27.50                             | 1.191             | 0.210                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 633334 | 3500           | 1          | 137         | 0.11                   | 0.033                       | 26.74                   | 27.50                             | 1.191             | 0.039                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 633334 | 3500           | 135        | 69          | -0.13                  | 0.136                       | 26.63                   | 27.50                             | 1.222             | 0.166                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 633334 | 3500           | 135        | 69          | 0.06                   | 0.079                       | 26.63                   | 27.50                             | 1.222             | 0.097                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 633334 | 3500           | 135        | 69          | 0.03                   | 0.261                       | 26.63                   | 27.50                             | 1.222             | <b>0.319</b>                  | 88#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 633334 | 3500           | 135        | 69          | 0.13                   | 0.052                       | 26.63                   | 27.50                             | 1.222             | 0.064                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 633334 | 3500           | 1          | 137         | 0.13                   | 0.117                       | 26.74                   | 27.50                             | 1.191             | 0.139                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 633334 | 3500           | 1          | 137         | -0.19                  | 0.148                       | 26.74                   | 27.50                             | 1.191             | 0.176                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 633334 | 3500           | 1          | 137         | -0.02                  | 0.196                       | 26.74                   | 27.50                             | 1.191             | 0.233                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 633334 | 3500           | 135        | 69          | -0.07                  | 0.119                       | 26.63                   | 27.50                             | 1.222             | 0.145                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 633334 | 3500           | 135        | 69          | 0.06                   | 0.194                       | 26.63                   | 27.50                             | 1.222             | 0.237                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 633334 | 3500           | 135        | 69          | -0.03                  | 0.230                       | 26.63                   | 27.50                             | 1.222             | <b>0.281</b>                  | 89#          |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position   | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 633334 | 3500           | 1          | 137         | 0.00                   | 0.253                        | 26.74                   | 27.50                             | 1.191             | 0.301                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 633334 | 3500           | 1          | 137         | 0.10                   | 0.281                        | 26.74                   | 27.50                             | 1.191             | 0.335                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 633334 | 3500           | 1          | 137         | 0.06                   | 0.595                        | 26.74                   | 27.50                             | 1.191             | 0.709                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 633334 | 3500           | 135        | 69          | 0.09                   | 0.291                        | 26.63                   | 27.50                             | 1.222             | 0.356                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 633334 | 3500           | 135        | 69          | 0.10                   | 0.286                        | 26.63                   | 27.50                             | 1.222             | 0.349                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 633334 | 3500           | 135        | 69          | 0.04                   | 0.637                        | 26.63                   | 27.50                             | 1.222             | <b>0.778</b>                   | 90#          |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.32 NR n78 (3700MHz-3800MHz) (100MHz Bandwidth)

| Antenna                                                                        | Mode            | Position    | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|-------------|---------------|--------|----------------|------------|-------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 650000 | 3750           | 1          | 137         | 0.04                   | 0.022                       | 26.82                   | 27.50                             | 1.169             | 0.026                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 650000 | 3750           | 1          | 137         | 0.07                   | 0.017                       | 26.82                   | 27.50                             | 1.169             | 0.020                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 650000 | 3750           | 1          | 137         | -0.18                  | 0.038                       | 26.82                   | 27.50                             | 1.169             | 0.044                         | 91#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 650000 | 3750           | 1          | 137         | -0.18                  | 0.011                       | 26.82                   | 27.50                             | 1.169             | 0.013                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Cheek  | 0             | 650000 | 3750           | 135        | 69          | 0.09                   | 0.012                       | 26.83                   | 27.50                             | 1.167             | 0.014                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Tilt   | 0             | 650000 | 3750           | 135        | 69          | -0.08                  | 0.011                       | 26.83                   | 27.50                             | 1.167             | 0.013                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Cheek | 0             | 650000 | 3750           | 135        | 69          | -0.03                  | 0.022                       | 26.83                   | 27.50                             | 1.167             | 0.026                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Right Tilt  | 0             | 650000 | 3750           | 135        | 69          | 0.09                   | 0.007                       | 26.83                   | 27.50                             | 1.167             | 0.008                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 650000 | 3750           | 1          | 137         | -0.14                  | 0.045                       | 26.82                   | 27.50                             | 1.169             | 0.053                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 650000 | 3750           | 1          | 137         | 0.01                   | 0.093                       | 26.82                   | 27.50                             | 1.169             | 0.109                         | 92#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 650000 | 3750           | 1          | 137         | -0.05                  | 0.055                       | 26.82                   | 27.50                             | 1.169             | 0.064                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side  | 10            | 650000 | 3750           | 135        | 69          | -0.15                  | 0.030                       | 26.83                   | 27.50                             | 1.167             | 0.035                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side   | 10            | 650000 | 3750           | 135        | 69          | -0.11                  | 0.089                       | 26.83                   | 27.50                             | 1.167             | 0.104                         | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge   | 10            | 650000 | 3750           | 135        | 69          | -0.04                  | 0.042                       | 26.83                   | 27.50                             | 1.167             | 0.049                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |             |               |        |                |            |             |                        |                             |                         |                                   |                   |                               |              |

| Antenna                                                                        | Mode            | Position   | Dist.<br>(mm) | Ch.    | Freq.<br>(MHz) | RB<br>Num. | RB<br>Start | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|-----------------|------------|---------------|--------|----------------|------------|-------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 650000 | 3750           | 1          | 137         | -0.09                  | 0.076                        | 26.82                   | 27.50                             | 1.169             | 0.089                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 650000 | 3750           | 1          | 137         | -0.17                  | 0.114                        | 26.82                   | 27.50                             | 1.169             | 0.133                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 650000 | 3750           | 1          | 137         | 0.15                   | 0.169                        | 26.82                   | 27.50                             | 1.169             | 0.198                          | 93#          |
| ANT1                                                                           | DFT-s-OFDM BPSK | Front Side | 0             | 650000 | 3750           | 135        | 69          | -0.19                  | 0.057                        | 26.83                   | 27.50                             | 1.167             | 0.067                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Back Side  | 0             | 650000 | 3750           | 135        | 69          | -0.07                  | 0.097                        | 26.83                   | 27.50                             | 1.167             | 0.113                          | /            |
| ANT1                                                                           | DFT-s-OFDM BPSK | Left Edge  | 0             | 650000 | 3750           | 135        | 69          | 0.18                   | 0.142                        | 26.83                   | 27.50                             | 1.167             | 0.166                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |                 |            |               |        |                |            |             |                        |                              |                         |                                   |                   |                                |              |

## 10.33 2.4G WIFI

| Antenna                                                                        | Mode    | Position    | Dist.<br>(mm) | Ch. | Freq.<br>(MHz) | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | Ducy<br>Cycle | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|---------|-------------|---------------|-----|----------------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|---------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |         |             |               |     |                |                     |                          |                         |                                   |                   |               |                   |                               |              |
| ANT6                                                                           | 802.11b | Left Cheek  | 0             | 6   | 2437           | 0.03                | 0.025                    | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.027                         | /            |
| ANT6                                                                           | 802.11b | Left Tilt   | 0             | 6   | 2437           | -0.02               | 0.019                    | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.021                         | /            |
| ANT6                                                                           | 802.11b | Right Cheek | 0             | 6   | 2437           | 0.08                | 0.013                    | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.014                         | /            |
| ANT6                                                                           | 802.11b | Right Tilt  | 0             | 6   | 2437           | -0.03               | 0.010                    | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.011                         | /            |
| ANT5                                                                           | 802.11b | Left Cheek  | 0             | 6   | 2437           | 0.15                | 0.016                    | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.020                         | /            |
| ANT5                                                                           | 802.11b | Left Tilt   | 0             | 6   | 2437           | -0.03               | 0.011                    | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.014                         | /            |
| ANT5                                                                           | 802.11b | Right Cheek | 0             | 6   | 2437           | 0.10                | 0.040                    | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | <b>0.050</b>                  | 94#          |
| ANT5                                                                           | 802.11b | Right Tilt  | 0             | 6   | 2437           | -0.01               | 0.023                    | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.029                         | /            |
| MIMO                                                                           | 802.11b | Left Cheek  | 0             | 6   | 2437           | -0.08               | 0.038                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.044                         | /            |
| MIMO                                                                           | 802.11b | Left Tilt   | 0             | 6   | 2437           | -0.01               | 0.039                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.045                         | /            |
| MIMO                                                                           | 802.11b | Right Cheek | 0             | 6   | 2437           | 0.05                | 0.042                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.049                         | /            |
| MIMO                                                                           | 802.11b | Right Tilt  | 0             | 6   | 2437           | 0.13                | 0.035                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.041                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |         |             |               |     |                |                     |                          |                         |                                   |                   |               |                   |                               |              |
| ANT6                                                                           | 802.11b | Front Side  | 10            | 6   | 2437           | 0.02                | 0.034                    | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.037                         | /            |
| ANT6                                                                           | 802.11b | Back Side   | 10            | 6   | 2437           | -0.14               | 0.026                    | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.029                         | /            |
| ANT6                                                                           | 802.11b | Left Edge   | 10            | 6   | 2437           | 0.02                | 0.019                    | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.021                         | /            |
| ANT6                                                                           | 802.11b | Top Edge    | 10            | 6   | 2437           | 0.06                | 0.023                    | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.025                         | /            |
| ANT5                                                                           | 802.11b | Front Side  | 10            | 6   | 2437           | -0.02               | 0.045                    | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | <b>0.056</b>                  | 95#          |
| ANT5                                                                           | 802.11b | Back Side   | 10            | 6   | 2437           | 0.13                | 0.036                    | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.045                         | /            |
| ANT5                                                                           | 802.11b | Right Edge  | 10            | 6   | 2437           | -0.01               | 0.040                    | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.050                         | /            |
| ANT5                                                                           | 802.11b | Top Edge    | 10            | 6   | 2437           | -0.06               | 0.020                    | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.025                         | /            |
| MIMO                                                                           | 802.11b | Front Side  | 10            | 6   | 2437           | -0.09               | 0.041                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.048                         | /            |
| MIMO                                                                           | 802.11b | Back Side   | 10            | 6   | 2437           | 0.09                | 0.035                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.041                         | /            |
| MIMO                                                                           | 802.11b | Left Edge   | 10            | 6   | 2437           | -0.07               | 0.001                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.001                         | /            |
| MIMO                                                                           | 802.11b | Right Edge  | 10            | 6   | 2437           | 0.11                | 0.035                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.041                         | /            |
| MIMO                                                                           | 802.11b | Top Edge    | 10            | 6   | 2437           | 0.09                | 0.016                    | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.019                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |         |             |               |     |                |                     |                          |                         |                                   |                   |               |                   |                               |              |

| Antenna                                                                        | Mode    | Position   | Dist.<br>(mm) | Ch. | Freq.<br>(MHz) | Power<br>Drift (dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | Ducy<br>Cycle | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|---------|------------|---------------|-----|----------------|---------------------|------------------------------|-------------------------|-----------------------------------|-------------------|---------------|-------------------|--------------------------------|--------------|
| Extremity                                                                      |         |            |               |     |                |                     |                              |                         |                                   |                   |               |                   |                                |              |
| ANT6                                                                           | 802.11b | Front Side | 0             | 6   | 2437           | -0.12               | 0.069                        | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.076                          | /            |
| ANT6                                                                           | 802.11b | Back Side  | 0             | 6   | 2437           | -0.05               | 0.060                        | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.066                          | /            |
| ANT6                                                                           | 802.11b | Left Edge  | 0             | 6   | 2437           | 0.08                | 0.047                        | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.052                          | /            |
| ANT6                                                                           | 802.11b | Top Edge   | 0             | 6   | 2437           | 0.08                | 0.027                        | 17.74                   | 18.00                             | 1.062             | 96.64         | 1.035             | 0.030                          | /            |
| ANT5                                                                           | 802.11b | Front Side | 0             | 6   | 2437           | 0.14                | 0.112                        | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.140                          | 96#          |
| ANT5                                                                           | 802.11b | Back Side  | 0             | 6   | 2437           | 0.14                | 0.069                        | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.086                          | /            |
| ANT5                                                                           | 802.11b | Right Edge | 0             | 6   | 2437           | 0.00                | 0.071                        | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.089                          | /            |
| ANT5                                                                           | 802.11b | Top Edge   | 0             | 6   | 2437           | -0.03               | 0.036                        | 17.18                   | 18.00                             | 1.208             | 96.64         | 1.035             | 0.045                          | /            |
| MIMO                                                                           | 802.11b | Front Side | 0             | 6   | 2437           | 0.13                | 0.101                        | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.118                          | /            |
| MIMO                                                                           | 802.11b | Back Side  | 0             | 6   | 2437           | -0.01               | 0.065                        | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.076                          | /            |
| MIMO                                                                           | 802.11b | Left Edge  | 0             | 6   | 2437           | -0.11               | 0.007                        | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.008                          | /            |
| MIMO                                                                           | 802.11b | Right Edge | 0             | 6   | 2437           | 0.01                | 0.068                        | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.079                          | /            |
| MIMO                                                                           | 802.11b | Top Edge   | 0             | 6   | 2437           | 0.09                | 0.034                        | 20.48                   | 21.00                             | 1.127             | 96.64         | 1.035             | 0.040                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |         |            |               |     |                |                     |                              |                         |                                   |                   |               |                   |                                |              |

## 10.34 5G WIFI

| Band        | Antenna | Mode    | Position    | Dist.<br>(mm) | Ch. | Freq.<br>(MHz) | Power<br>Drift<br>(dB) | 1g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | Ducy<br>Cycle | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|-------------|---------|---------|-------------|---------------|-----|----------------|------------------------|-----------------------------|-------------------------|-----------------------------------|-------------------|---------------|-------------------|-------------------------------|--------------|
| <b>Head</b> |         |         |             |               |     |                |                        |                             |                         |                                   |                   |               |                   |                               |              |
| 5.3G        | ANT6    | 802.11a | Left Cheek  | 0             | 64  | 5320           | 0.02                   | 0.211                       | 17.31                   | 17.50                             | 1.045             | 99.10         | 1.009             | 0.223                         | /            |
| 5.3G        | ANT6    | 802.11a | Left Tilt   | 0             | 64  | 5320           | -0.13                  | 0.185                       | 17.31                   | 17.50                             | 1.045             | 99.10         | 1.009             | 0.195                         | /            |
| 5.3G        | ANT6    | 802.11a | Right Cheek | 0             | 64  | 5320           | -0.09                  | 0.141                       | 17.31                   | 17.50                             | 1.045             | 99.10         | 1.009             | 0.149                         | /            |
| 5.3G        | ANT6    | 802.11a | Right Tilt  | 0             | 64  | 5320           | 0.11                   | 0.136                       | 17.31                   | 17.50                             | 1.045             | 99.10         | 1.009             | 0.144                         | /            |
| 5.3G        | ANT5    | 802.11a | Left Cheek  | 0             | 52  | 5260           | 0.05                   | 0.058                       | 15.05                   | 16.00                             | 1.245             | 99.10         | 1.009             | 0.073                         | /            |
| 5.3G        | ANT5    | 802.11a | Left Tilt   | 0             | 52  | 5260           | 0.03                   | 0.045                       | 15.05                   | 16.00                             | 1.245             | 99.10         | 1.009             | 0.057                         | /            |
| 5.3G        | ANT5    | 802.11a | Right Cheek | 0             | 52  | 5260           | -0.07                  | 0.295                       | 15.05                   | 16.00                             | 1.245             | 99.10         | 1.009             | <b>0.370</b>                  | 97#          |
| 5.3G        | ANT5    | 802.11a | Right Tilt  | 0             | 52  | 5260           | -0.11                  | 0.219                       | 15.05                   | 16.00                             | 1.245             | 99.10         | 1.009             | 0.275                         | /            |
| 5.3G        | MIMO    | 802.11a | Left Cheek  | 0             | 64  | 5320           | 0.01                   | 0.147                       | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.173                         | /            |
| 5.3G        | MIMO    | 802.11a | Left Tilt   | 0             | 64  | 5320           | -0.15                  | 0.257                       | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.303                         | /            |
| 5.3G        | MIMO    | 802.11a | Right Cheek | 0             | 64  | 5320           | 0.15                   | 0.186                       | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.219                         | /            |
| 5.3G        | MIMO    | 802.11a | Right Tilt  | 0             | 64  | 5320           | -0.07                  | 0.276                       | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.325                         | /            |
| 5.6G        | ANT6    | 802.11a | Left Cheek  | 0             | 116 | 5580           | -0.06                  | 0.147                       | 16.98                   | 17.50                             | 1.127             | 99.10         | 1.009             | 0.167                         | /            |
| 5.6G        | ANT6    | 802.11a | Left Tilt   | 0             | 116 | 5580           | 0.04                   | 0.140                       | 16.98                   | 17.50                             | 1.127             | 99.10         | 1.009             | 0.160                         | /            |
| 5.6G        | ANT6    | 802.11a | Right Cheek | 0             | 116 | 5580           | 0.08                   | 0.100                       | 16.98                   | 17.50                             | 1.127             | 99.10         | 1.009             | 0.114                         | /            |
| 5.6G        | ANT6    | 802.11a | Right Tilt  | 0             | 116 | 5580           | -0.01                  | 0.106                       | 16.98                   | 17.50                             | 1.127             | 99.10         | 1.009             | 0.121                         | /            |
| 5.6G        | ANT5    | 802.11a | Left Cheek  | 0             | 140 | 5700           | 0.11                   | 0.106                       | 15.58                   | 16.50                             | 1.236             | 99.10         | 1.009             | 0.133                         | /            |
| 5.6G        | ANT5    | 802.11a | Left Tilt   | 0             | 140 | 5700           | 0.14                   | 0.089                       | 15.58                   | 16.50                             | 1.236             | 99.10         | 1.009             | 0.111                         | /            |
| 5.6G        | ANT5    | 802.11a | Right Cheek | 0             | 140 | 5700           | 0.13                   | 0.323                       | 15.58                   | 16.50                             | 1.236             | 99.10         | 1.009             | <b>0.403</b>                  | 98#          |
| 5.6G        | ANT5    | 802.11a | Right Tilt  | 0             | 140 | 5700           | 0.05                   | 0.204                       | 15.58                   | 16.50                             | 1.236             | 99.10         | 1.009             | 0.254                         | /            |
| 5.6G        | MIMO    | 802.11a | Left Cheek  | 0             | 140 | 5700           | 0.09                   | 0.149                       | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.175                         | /            |
| 5.6G        | MIMO    | 802.11a | Left Tilt   | 0             | 140 | 5700           | 0.04                   | 0.155                       | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.182                         | /            |
| 5.6G        | MIMO    | 802.11a | Right Cheek | 0             | 140 | 5700           | -0.12                  | 0.255                       | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.299                         | /            |
| 5.6G        | MIMO    | 802.11a | Right Tilt  | 0             | 140 | 5700           | 0.03                   | 0.208                       | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.244                         | /            |
| 5.8G        | ANT6    | 802.11a | Left Cheek  | 0             | 149 | 5745           | 0.13                   | 0.033                       | 16.25                   | 17.00                             | 1.189             | 99.10         | 1.009             | 0.039                         | /            |
| 5.8G        | ANT6    | 802.11a | Left Tilt   | 0             | 149 | 5745           | -0.08                  | 0.026                       | 16.25                   | 17.00                             | 1.189             | 99.10         | 1.009             | 0.032                         | /            |
| 5.8G        | ANT6    | 802.11a | Right Cheek | 0             | 149 | 5745           | -0.11                  | 0.020                       | 16.25                   | 17.00                             | 1.189             | 99.10         | 1.009             | 0.023                         | /            |
| 5.8G        | ANT6    | 802.11a | Right Tilt  | 0             | 149 | 5745           | 0.00                   | 0.021                       | 16.25                   | 17.00                             | 1.189             | 99.10         | 1.009             | 0.025                         | /            |
| 5.8G        | ANT5    | 802.11a | Left Cheek  | 0             | 157 | 5785           | -0.15                  | 0.029                       | 15.15                   | 16.00                             | 1.216             | 99.10         | 1.009             | 0.035                         | /            |
| 5.8G        | ANT5    | 802.11a | Left Tilt   | 0             | 157 | 5785           | 0.08                   | 0.029                       | 15.15                   | 16.00                             | 1.216             | 99.10         | 1.009             | 0.036                         | /            |
| 5.8G        | ANT5    | 802.11a | Right Cheek | 0             | 157 | 5785           | 0.14                   | 0.077                       | 15.15                   | 16.00                             | 1.216             | 99.10         | 1.009             | <b>0.094</b>                  | 99#          |
| 5.8G        | ANT5    | 802.11a | Right Tilt  | 0             | 157 | 5785           | -0.05                  | 0.058                       | 15.15                   | 16.00                             | 1.216             | 99.10         | 1.009             | 0.071                         | /            |
| 5.8G        | MIMO    | 802.11a | Left Cheek  | 0             | 157 | 5785           | 0.06                   | 0.035                       | 18.69                   | 19.50                             | 1.204             | 99.10         | 1.009             | 0.042                         | /            |
| 5.8G        | MIMO    | 802.11a | Left Tilt   | 0             | 157 | 5785           | 0.00                   | 0.032                       | 18.69                   | 19.50                             | 1.204             | 99.10         | 1.009             | 0.039                         | /            |
| 5.8G        | MIMO    | 802.11a | Right Cheek | 0             | 157 | 5785           | -0.10                  | 0.074                       | 18.69                   | 19.50                             | 1.204             | 99.10         | 1.009             | 0.089                         | /            |
| 5.8G        | MIMO    | 802.11a | Right Tilt  | 0             | 157 | 5785           | 0.14                   | 0.059                       | 18.69                   | 19.50                             | 1.204             | 99.10         | 1.009             | 0.072                         | /            |

| Body-Worn                                                                      |      |         |            |    |     |      |       |       |       |       |       |       |       |              |      |
|--------------------------------------------------------------------------------|------|---------|------------|----|-----|------|-------|-------|-------|-------|-------|-------|-------|--------------|------|
| 5.3G                                                                           | ANT6 | 802.11a | Front Side | 10 | 64  | 5320 | 0.14  | 0.026 | 17.31 | 17.50 | 1.045 | 99.10 | 1.009 | 0.027        | /    |
| 5.3G                                                                           | ANT6 | 802.11a | Back Side  | 10 | 64  | 5320 | -0.05 | 0.048 | 17.31 | 17.50 | 1.045 | 99.10 | 1.009 | <b>0.051</b> | 100# |
| 5.3G                                                                           | ANT5 | 802.11a | Front Side | 10 | 52  | 5260 | -0.15 | 0.021 | 15.05 | 16.00 | 1.245 | 99.10 | 1.009 | 0.026        | /    |
| 5.3G                                                                           | ANT5 | 802.11a | Back Side  | 10 | 52  | 5260 | 0.08  | 0.015 | 15.05 | 16.00 | 1.245 | 99.10 | 1.009 | 0.019        | /    |
| 5.3G                                                                           | MIMO | 802.11a | Front Side | 10 | 64  | 5320 | 0.08  | 0.020 | 19.33 | 20.00 | 1.167 | 99.10 | 1.009 | 0.024        | /    |
| 5.3G                                                                           | MIMO | 802.11a | Back Side  | 10 | 64  | 5320 | -0.10 | 0.041 | 19.33 | 20.00 | 1.167 | 99.10 | 1.009 | 0.048        | /    |
| 5.6G                                                                           | ANT6 | 802.11a | Front Side | 10 | 116 | 5580 | 0.15  | 0.009 | 16.98 | 17.50 | 1.127 | 99.10 | 1.009 | 0.010        | /    |
| 5.6G                                                                           | ANT6 | 802.11a | Back Side  | 10 | 116 | 5580 | 0.09  | 0.055 | 16.98 | 17.50 | 1.127 | 99.10 | 1.009 | <b>0.063</b> | 101# |
| 5.6G                                                                           | ANT5 | 802.11a | Front Side | 10 | 140 | 5700 | 0.03  | 0.012 | 15.58 | 16.50 | 1.236 | 99.10 | 1.009 | 0.015        | /    |
| 5.6G                                                                           | ANT5 | 802.11a | Back Side  | 10 | 140 | 5700 | 0.01  | 0.008 | 15.58 | 16.50 | 1.236 | 99.10 | 1.009 | 0.010        | /    |
| 5.6G                                                                           | MIMO | 802.11a | Front Side | 10 | 140 | 5700 | 0.00  | 0.010 | 19.35 | 20.00 | 1.162 | 99.10 | 1.009 | 0.012        | /    |
| 5.6G                                                                           | MIMO | 802.11a | Back Side  | 10 | 140 | 5700 | 0.08  | 0.045 | 19.35 | 20.00 | 1.162 | 99.10 | 1.009 | 0.053        | /    |
| Hotspot                                                                        |      |         |            |    |     |      |       |       |       |       |       |       |       |              |      |
| 5.2G                                                                           | ANT6 | 802.11a | Front Side | 10 | 44  | 5220 | 0.10  | 0.014 | 16.61 | 17.00 | 1.094 | 99.10 | 1.009 | 0.015        | /    |
| 5.2G                                                                           | ANT6 | 802.11a | Back Side  | 10 | 44  | 5220 | -0.05 | 0.023 | 16.61 | 17.00 | 1.094 | 99.10 | 1.009 | <b>0.025</b> | 102# |
| 5.2G                                                                           | ANT6 | 802.11a | Left Edge  | 10 | 44  | 5220 | -0.12 | 0.006 | 16.61 | 17.00 | 1.094 | 99.10 | 1.009 | 0.007        | /    |
| 5.2G                                                                           | ANT6 | 802.11a | Top Edge   | 10 | 44  | 5220 | 0.09  | 0.003 | 16.61 | 17.00 | 1.094 | 99.10 | 1.009 | 0.003        | /    |
| 5.2G                                                                           | ANT5 | 802.11a | Front Side | 10 | 36  | 5180 | 0.09  | 0.013 | 15.35 | 16.00 | 1.161 | 99.10 | 1.009 | 0.015        | /    |
| 5.2G                                                                           | ANT5 | 802.11a | Back Side  | 10 | 36  | 5180 | 0.13  | 0.007 | 15.35 | 16.00 | 1.161 | 99.10 | 1.009 | 0.008        | /    |
| 5.2G                                                                           | ANT5 | 802.11a | Right Edge | 10 | 36  | 5180 | -0.01 | 0.020 | 15.35 | 16.00 | 1.161 | 99.10 | 1.009 | 0.023        | /    |
| 5.2G                                                                           | ANT5 | 802.11a | Top Edge   | 10 | 36  | 5180 | -0.12 | 0.010 | 15.35 | 16.00 | 1.161 | 99.10 | 1.009 | 0.012        | /    |
| 5.2G                                                                           | MIMO | 802.11a | Front Side | 10 | 36  | 5180 | 0.02  | 0.012 | 19.04 | 20.00 | 1.249 | 99.10 | 1.009 | 0.015        | /    |
| 5.2G                                                                           | MIMO | 802.11a | Back Side  | 10 | 36  | 5180 | -0.07 | 0.019 | 19.04 | 20.00 | 1.249 | 99.10 | 1.009 | 0.024        | /    |
| 5.2G                                                                           | MIMO | 802.11a | Left Edge  | 10 | 36  | 5180 | 0.03  | 0.006 | 19.04 | 20.00 | 1.249 | 99.10 | 1.009 | 0.008        | /    |
| 5.2G                                                                           | MIMO | 802.11a | Right Edge | 10 | 36  | 5180 | 0.12  | 0.017 | 19.04 | 20.00 | 1.249 | 99.10 | 1.009 | 0.021        | /    |
| 5.2G                                                                           | MIMO | 802.11a | Top Edge   | 10 | 36  | 5180 | 0.00  | 0.019 | 19.04 | 20.00 | 1.249 | 99.10 | 1.009 | 0.024        | /    |
| 5.8G                                                                           | ANT6 | 802.11a | Front Side | 10 | 149 | 5745 | -0.11 | 0.016 | 16.25 | 17.00 | 1.189 | 99.10 | 1.009 | 0.019        | /    |
| 5.8G                                                                           | ANT6 | 802.11a | Back Side  | 10 | 149 | 5745 | 0.07  | 0.097 | 16.25 | 17.00 | 1.189 | 99.10 | 1.009 | <b>0.116</b> | 103# |
| 5.8G                                                                           | ANT6 | 802.11a | Left Edge  | 10 | 149 | 5745 | -0.12 | 0.028 | 16.25 | 17.00 | 1.189 | 99.10 | 1.009 | 0.034        | /    |
| 5.8G                                                                           | ANT6 | 802.11a | Top Edge   | 10 | 149 | 5745 | 0.11  | 0.084 | 16.25 | 17.00 | 1.189 | 99.10 | 1.009 | 0.101        | /    |
| 5.8G                                                                           | ANT5 | 802.11a | Front Side | 10 | 157 | 5785 | 0.05  | 0.020 | 15.15 | 16.00 | 1.216 | 99.10 | 1.009 | 0.025        | /    |
| 5.8G                                                                           | ANT5 | 802.11a | Back Side  | 10 | 157 | 5785 | -0.12 | 0.017 | 15.15 | 16.00 | 1.216 | 99.10 | 1.009 | 0.021        | /    |
| 5.8G                                                                           | ANT5 | 802.11a | Right Edge | 10 | 157 | 5785 | 0.01  | 0.034 | 15.15 | 16.00 | 1.216 | 99.10 | 1.009 | 0.042        | /    |
| 5.8G                                                                           | ANT5 | 802.11a | Top Edge   | 10 | 157 | 5785 | 0.11  | 0.036 | 15.15 | 16.00 | 1.216 | 99.10 | 1.009 | 0.044        | /    |
| 5.8G                                                                           | MIMO | 802.11a | Front Side | 10 | 157 | 5785 | 0.04  | 0.015 | 18.69 | 19.50 | 1.204 | 99.10 | 1.009 | 0.018        | /    |
| 5.8G                                                                           | MIMO | 802.11a | Back Side  | 10 | 157 | 5785 | 0.06  | 0.084 | 18.69 | 19.50 | 1.204 | 99.10 | 1.009 | 0.102        | /    |
| 5.8G                                                                           | MIMO | 802.11a | Left Edge  | 10 | 157 | 5785 | 0.13  | 0.022 | 18.69 | 19.50 | 1.204 | 99.10 | 1.009 | 0.027        | /    |
| 5.8G                                                                           | MIMO | 802.11a | Right Edge | 10 | 157 | 5785 | -0.05 | 0.027 | 18.69 | 19.50 | 1.204 | 99.10 | 1.009 | 0.033        | /    |
| 5.8G                                                                           | MIMO | 802.11a | Top Edge   | 10 | 157 | 5785 | -0.04 | 0.073 | 18.69 | 19.50 | 1.204 | 99.10 | 1.009 | 0.089        | /    |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |         |            |    |     |      |       |       |       |       |       |       |       |              |      |

| Band                                                                           | Antenna | Mode    | Position   | Dist.<br>(mm) | Ch. | Freq.<br>(MHz) | Power<br>Drift<br>(dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | Ducy<br>Cycle | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|---------|---------|------------|---------------|-----|----------------|------------------------|------------------------------|-------------------------|-----------------------------------|-------------------|---------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |         |         |            |               |     |                |                        |                              |                         |                                   |                   |               |                   |                                |              |
| 5.3G                                                                           | ANT6    | 802.11a | Front Side | 0             | 64  | 5320           | 0.04                   | 0.254                        | 17.31                   | 17.50                             | 1.045             | 99.10         | 1.009             | 0.268                          | /            |
| 5.3G                                                                           | ANT6    | 802.11a | Back Side  | 0             | 64  | 5320           | -0.03                  | 0.351                        | 17.31                   | 17.50                             | 1.045             | 99.10         | 1.009             | <b>0.370</b>                   | 104#         |
| 5.3G                                                                           | ANT6    | 802.11a | Left Edge  | 0             | 64  | 5320           | 0.10                   | 0.078                        | 17.31                   | 17.50                             | 1.045             | 99.10         | 1.009             | 0.082                          | /            |
| 5.3G                                                                           | ANT6    | 802.11a | Top Edge   | 0             | 64  | 5320           | 0.10                   | 0.278                        | 17.31                   | 17.50                             | 1.045             | 99.10         | 1.009             | 0.293                          | /            |
| 5.3G                                                                           | ANT5    | 802.11a | Front Side | 0             | 52  | 5260           | -0.02                  | 0.243                        | 15.05                   | 16.00                             | 1.245             | 99.10         | 1.009             | 0.305                          | /            |
| 5.3G                                                                           | ANT5    | 802.11a | Back Side  | 0             | 52  | 5260           | 0.11                   | 0.068                        | 15.05                   | 16.00                             | 1.245             | 99.10         | 1.009             | 0.085                          | /            |
| 5.3G                                                                           | ANT5    | 802.11a | Right Edge | 0             | 52  | 5260           | -0.15                  | 0.245                        | 15.05                   | 16.00                             | 1.245             | 99.10         | 1.009             | 0.308                          | /            |
| 5.3G                                                                           | ANT5    | 802.11a | Top Edge   | 0             | 52  | 5260           | -0.13                  | 0.084                        | 15.05                   | 16.00                             | 1.245             | 99.10         | 1.009             | 0.105                          | /            |
| 5.3G                                                                           | MIMO    | 802.11a | Front Side | 0             | 64  | 5320           | -0.11                  | 0.219                        | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.258                          | /            |
| 5.3G                                                                           | MIMO    | 802.11a | Back Side  | 0             | 64  | 5320           | 0.12                   | 0.275                        | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.324                          | /            |
| 5.3G                                                                           | MIMO    | 802.11a | Left Edge  | 0             | 64  | 5320           | -0.15                  | 0.054                        | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.064                          | /            |
| 5.3G                                                                           | MIMO    | 802.11a | Right Edge | 0             | 64  | 5320           | 0.12                   | 0.213                        | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.251                          | /            |
| 5.3G                                                                           | MIMO    | 802.11a | Top Edge   | 0             | 64  | 5320           | -0.08                  | 0.238                        | 19.33                   | 20.00                             | 1.167             | 99.10         | 1.009             | 0.280                          | /            |
| 5.6G                                                                           | ANT6    | 802.11a | Front Side | 0             | 116 | 5580           | -0.03                  | 0.151                        | 16.98                   | 17.50                             | 1.127             | 99.10         | 1.009             | 0.172                          | /            |
| 5.6G                                                                           | ANT6    | 802.11a | Back Side  | 0             | 116 | 5580           | -0.04                  | 0.390                        | 16.98                   | 17.50                             | 1.127             | 99.10         | 1.009             | <b>0.444</b>                   | 105#         |
| 5.6G                                                                           | ANT6    | 802.11a | Left Edge  | 0             | 116 | 5580           | -0.08                  | 0.099                        | 16.98                   | 17.50                             | 1.127             | 99.10         | 1.009             | 0.113                          | /            |
| 5.6G                                                                           | ANT6    | 802.11a | Top Edge   | 0             | 116 | 5580           | -0.12                  | 0.231                        | 16.98                   | 17.50                             | 1.127             | 99.10         | 1.009             | 0.263                          | /            |
| 5.6G                                                                           | ANT5    | 802.11a | Front Side | 0             | 140 | 5700           | -0.05                  | 0.148                        | 15.58                   | 16.50                             | 1.236             | 99.10         | 1.009             | 0.185                          | /            |
| 5.6G                                                                           | ANT5    | 802.11a | Back Side  | 0             | 140 | 5700           | 0.02                   | 0.050                        | 15.58                   | 16.50                             | 1.236             | 99.10         | 1.009             | 0.062                          | /            |
| 5.6G                                                                           | ANT5    | 802.11a | Right Edge | 0             | 140 | 5700           | 0.12                   | 0.119                        | 15.58                   | 16.50                             | 1.236             | 99.10         | 1.009             | 0.148                          | /            |
| 5.6G                                                                           | ANT5    | 802.11a | Top Edge   | 0             | 140 | 5700           | 0.07                   | 0.083                        | 15.58                   | 16.50                             | 1.236             | 99.10         | 1.009             | 0.104                          | /            |
| 5.6G                                                                           | MIMO    | 802.11a | Front Side | 0             | 140 | 5700           | 0.09                   | 0.133                        | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.156                          | /            |
| 5.6G                                                                           | MIMO    | 802.11a | Back Side  | 0             | 140 | 5700           | 0.11                   | 0.233                        | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.273                          | /            |
| 5.6G                                                                           | MIMO    | 802.11a | Left Edge  | 0             | 140 | 5700           | 0.02                   | 0.085                        | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.100                          | /            |
| 5.6G                                                                           | MIMO    | 802.11a | Right Edge | 0             | 140 | 5700           | -0.02                  | 0.096                        | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.113                          | /            |
| 5.6G                                                                           | MIMO    | 802.11a | Top Edge   | 0             | 140 | 5700           | 0.09                   | 0.197                        | 19.35                   | 20.00                             | 1.162             | 99.10         | 1.009             | 0.231                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |         |         |            |               |     |                |                        |                              |                         |                                   |                   |               |                   |                                |              |

## 10.35 Bluetooth

| Antenna                                                                        | Mode | Position    | Dist.<br>(mm) | Ch. | Freq.<br>(MHz) | Power<br>Drift (dB) | 1g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | Ducy<br>Cycle | Scaling<br>Factor | 1g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|-------------|---------------|-----|----------------|---------------------|--------------------------|-------------------------|-----------------------------------|-------------------|---------------|-------------------|-------------------------------|--------------|
| <b>Head</b>                                                                    |      |             |               |     |                |                     |                          |                         |                                   |                   |               |                   |                               |              |
| ANT6                                                                           | DH5  | Left Cheek  | 0             | 39  | 2441           | -0.11               | 0.019                    | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.025                         | /            |
| ANT6                                                                           | DH5  | Left Tilt   | 0             | 39  | 2441           | 0.13                | 0.013                    | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.017                         | /            |
| ANT6                                                                           | DH5  | Right Cheek | 0             | 39  | 2441           | 0.11                | 0.009                    | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.012                         | /            |
| ANT6                                                                           | DH5  | Right Tilt  | 0             | 39  | 2441           | 0.09                | 0.006                    | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.009                         | /            |
| ANT5                                                                           | DH5  | Left Cheek  | 0             | 39  | 2441           | -0.11               | 0.013                    | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.018                         | /            |
| ANT5                                                                           | DH5  | Left Tilt   | 0             | 39  | 2441           | -0.04               | 0.009                    | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.012                         | /            |
| ANT5                                                                           | DH5  | Right Cheek | 0             | 39  | 2441           | 0.07                | 0.033                    | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | <b>0.044</b>                  | 106#         |
| ANT5                                                                           | DH5  | Right Tilt  | 0             | 39  | 2441           | 0.12                | 0.020                    | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.027                         | /            |
| <b>Body-Worn&amp;Hotspot</b>                                                   |      |             |               |     |                |                     |                          |                         |                                   |                   |               |                   |                               |              |
| ANT6                                                                           | DH5  | Front Side  | 10            | 39  | 2441           | -0.02               | 0.021                    | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.027                         | /            |
| ANT6                                                                           | DH5  | Back Side   | 10            | 39  | 2441           | -0.11               | 0.016                    | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.021                         | /            |
| ANT6                                                                           | DH5  | Left Edge   | 10            | 39  | 2441           | 0.00                | 0.012                    | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.016                         | /            |
| ANT6                                                                           | DH5  | Top Edge    | 10            | 39  | 2441           | 0.15                | 0.014                    | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.018                         | /            |
| ANT5                                                                           | DH5  | Front Side  | 10            | 39  | 2441           | 0.03                | 0.045                    | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | <b>0.060</b>                  | 107#         |
| ANT5                                                                           | DH5  | Back Side   | 10            | 39  | 2441           | -0.08               | 0.035                    | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.047                         | /            |
| ANT5                                                                           | DH5  | Right Edge  | 10            | 39  | 2441           | 0.11                | 0.040                    | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.053                         | /            |
| ANT5                                                                           | DH5  | Top Edge    | 10            | 39  | 2441           | 0.12                | 0.018                    | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.024                         | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |             |               |     |                |                     |                          |                         |                                   |                   |               |                   |                               |              |

| Antenna                                                                        | Mode | Position   | Dist.<br>(mm) | Ch. | Freq.<br>(MHz) | Power<br>Drift (dB) | 10g Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | Ducy<br>Cycle | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|--------------------------------------------------------------------------------|------|------------|---------------|-----|----------------|---------------------|---------------------------|-------------------------|-----------------------------------|-------------------|---------------|-------------------|--------------------------------|--------------|
| <b>Extremity</b>                                                               |      |            |               |     |                |                     |                           |                         |                                   |                   |               |                   |                                |              |
| ANT6                                                                           | DH5  | Front Side | 0             | 39  | 2441           | 0.03                | 0.011                     | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.014                          | /            |
| ANT6                                                                           | DH5  | Back Side  | 0             | 39  | 2441           | -0.03               | 0.009                     | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.012                          | /            |
| ANT6                                                                           | DH5  | Left Edge  | 0             | 39  | 2441           | -0.06               | 0.009                     | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.012                          | /            |
| ANT6                                                                           | DH5  | Top Edge   | 0             | 39  | 2441           | 0.01                | 0.004                     | 15.47                   | 15.50                             | 1.007             | 76.94         | 1.300             | 0.005                          | /            |
| ANT5                                                                           | DH5  | Front Side | 0             | 39  | 2441           | 0.02                | 0.103                     | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | <b>0.137</b>                   | 108#         |
| ANT5                                                                           | DH5  | Back Side  | 0             | 39  | 2441           | -0.10               | 0.011                     | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.015                          | /            |
| ANT5                                                                           | DH5  | Right Edge | 0             | 39  | 2441           | -0.08               | 0.011                     | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.015                          | /            |
| ANT5                                                                           | DH5  | Top Edge   | 0             | 39  | 2441           | 0.02                | 0.006                     | 16.40                   | 16.50                             | 1.023             | 76.94         | 1.300             | 0.008                          | /            |
| Note: Refer to ANNEX C for the detailed test data for each test configuration. |      |            |               |     |                |                     |                           |                         |                                   |                   |               |                   |                                |              |

10.36 RFID

| Antenna                                                                          | Mode | Position   | Dist.<br>(mm) | Ch. | Freq.<br>(MHz) | Power<br>Drift (dB) | 10g<br>Meas<br>SAR<br>(W/kg) | Meas.<br>Power<br>(dBm) | Max.<br>tune-up<br>power<br>(dBm) | Scaling<br>Factor | Ducy<br>Cycle | Scaling<br>Factor | 10g<br>Scaled<br>SAR<br>(W/kg) | Meas.<br>No. |
|----------------------------------------------------------------------------------|------|------------|---------------|-----|----------------|---------------------|------------------------------|-------------------------|-----------------------------------|-------------------|---------------|-------------------|--------------------------------|--------------|
| Extremity                                                                        |      |            |               |     |                |                     |                              |                         |                                   |                   |               |                   |                                |              |
| ANT4                                                                             | UHF  | Front Side | 0             | Low | 902.75         | 0.03                | 0.055                        | 27.94                   | 28.50                             | 1.138             | 51.50         | 1.942             | 0.121                          | /            |
| ANT4                                                                             | UHF  | Back Side  | 0             | Low | 902.75         | 0.01                | 0.844                        | 27.94                   | 28.50                             | 1.138             | 51.50         | 1.942             | 1.864                          | 109#         |
| ANT4                                                                             | UHF  | Right Edge | 0             | Low | 902.75         | 0.06                | 0.148                        | 27.94                   | 28.50                             | 1.138             | 51.50         | 1.942             | 0.327                          | /            |
| ANT4                                                                             | UHF  | Top Edge   | 0             | Low | 902.75         | 0.07                | 0.217                        | 27.94                   | 28.50                             | 1.138             | 51.50         | 1.942             | 0.479                          | /            |
| Note 1: Refer to ANNEX C for the detailed test data for each test configuration. |      |            |               |     |                |                     |                              |                         |                                   |                   |               |                   |                                |              |
| Note 2: RFID is only available for hand use according to the manual.             |      |            |               |     |                |                     |                              |                         |                                   |                   |               |                   |                                |              |

## 10.37 NFC SAR

According to the ANSI C63.10 clause 11.12.2.2:

The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

- Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies  $\leq 30$  MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies  $> 1000$  MHz).
- For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB $\mu$ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

| Mode           | f (MHz) | Max. E-Field strength (dB $\mu$ V/m) | D (m) | Ground reflection factor (dB) | ERP (dBm) |
|----------------|---------|--------------------------------------|-------|-------------------------------|-----------|
| NFC (13.56MHz) | 13.56   | 55.47                                | 10    | 6                             | -24.07    |

Note:

- Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies  $\leq 30$  MHz).
- ERP =  $55.47 + 20 \cdot \log(10) - 104.8 + 6 = -23.33$  (dBm)

According to the FCC KDB 447498 D04

Estimated SAR: SAR test =  $1.6 \cdot P_{\text{ant}} / P_{\text{th}}$  [W/kg]

| Estimated SAR               | $1.6 \cdot P_{\text{ant}} / P_{\text{th}}$ [W/kg] |             |         |
|-----------------------------|---------------------------------------------------|-------------|---------|
| Pmeas. (dBm)                | -23.33                                            | Pmeas. (mW) | 0.00465 |
| Pth. (mW)                   | 443.13                                            |             |         |
| NFC Estimated 1g SAR [W/kg] | < 0.001                                           |             |         |

## 11 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are  $\leq 1.45$  W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is  $\leq 1.10$ , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is  $< 0.80$  W/kg, repeated measurement is not required.
2. When the highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$ , or when the original or repeated measurement is  $\geq 1.45$  W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ , and the original, first or second repeated measurement is  $\geq 1.5$  W/kg, perform a third repeated measurement.

Note: When the highest specific measured SAR is  $\geq 2.0$  W/kg, repeat that measurement once.

## 12 SIMULTANEOUS TRANSMISSION

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

### 12.1 Simultaneous Transmission Mode Consider

| No. | Simultaneous Tx Combination | Head | Body-worn | Hotspot | Extremity |
|-----|-----------------------------|------|-----------|---------|-----------|
| 1   | WWAN+WIFI2.4G               | Yes  | Yes       | Yes     | Yes       |
| 2   | WWAN+MAX.WIFI5G+BT          | Yes  | Yes       | Yes     | Yes       |
| 3   | WWAN+WIFI2.4G+RFID          | No   | No        | No      | Yes       |
| 4   | WWAN+MAX.WIFI5G+BT+RFID     | No   | No        | No      | Yes       |

Note:

1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. When stand-alone SAR is not required for a side of antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
3. The maximum SAR summation is calculated based on the same configuration and test position.
4. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

### 12.2 Highest Total Exposure Ratio of Simultaneous Transmission

NFC multi-transmit requires the use of the TER formula:

$$TER = \sum_{k=1}^{N_s} \left( \frac{SAR_k}{SAR_{lim}} \right) + \sum_{k=1}^{N_f} \left( \frac{MPE_{field, k}}{MPE_{field, lim}} \right)^2 + \sum_{k=1}^{N_{PD}} \left( \frac{MPE_{PD, k}}{MPE_{PD, lim}} \right)$$

The maximum Extremity SAR value for Simultaneous Transmission is 3.840 [W/kg]. Therefore, the worst  $TER = (3.840 + 0.001) / 4.0 = 0.960 < 1$ , the NFC SAR transmit simultaneously Pass.

### 12.3 Sum SAR of Simultaneous Transmission

Please refer the document "BL-SZ2561465-AST.pdf".

## 13 TEST EQUIPMENTS LIST

| Description                     | Manufacturer  | Model       | Serial No./Version | Cal. Date  | Cal. Due   |
|---------------------------------|---------------|-------------|--------------------|------------|------------|
| PC                              | Dell          | N/A         | N/A                | N/A        | N/A        |
| Test Software                   | Speag         | DASY8       | 16.2.2.1588        | N/A        | N/A        |
| 750MHz Validation Dipole        | Speag         | D750V3      | SN: 1208           | 2024/08/19 | 2027/08/18 |
| 835MHz Validation Dipole        | Speag         | D835V2      | SN: 4d187          | 2024/05/08 | 2027/05/07 |
| 1750MHz Validation Dipole       | Speag         | D1750V2     | SN: 1130           | 2024/05/08 | 2027/05/07 |
| 1950MHz Validation Dipole       | Speag         | D1950V3     | SN: 1240           | 2024/08/22 | 2027/08/21 |
| 2450MHz Validation Dipole       | Speag         | D2450V2     | SN: 952            | 2024/05/07 | 2027/05/06 |
| 2600MHz Validation Dipole       | Speag         | D2600V2     | SN: 1095           | 2024/05/08 | 2027/05/07 |
| 3500MHz Validation Dipole       | Speag         | D3500V2     | SN: 1129           | 2024/07/19 | 2027/07/18 |
| 3700MHz Validation Dipole       | Speag         | D3700V2     | SN: 1101           | 2024/07/18 | 2027/07/17 |
| 3900MHz Validation Dipole       | Speag         | D3900V2     | SN: 1077           | 2024/07/19 | 2027/07/18 |
| 5GHz Validation Dipole          | Speag         | D5GHzV2     | SN: 1200           | 2024/05/09 | 2027/05/08 |
| Data Acquisition Electronics    | Speag         | DAE4        | SN: 878            | 2025/03/05 | 2026/03/04 |
| E-Field Probe                   | Speag         | EX3DV4      | SN: 7893           | 2024/09/05 | 2025/09/04 |
| E-Field Probe                   | Speag         | EX3DV4      | SN: 7664           | 2025/06/30 | 2026/06/29 |
| Signal Generator                | Keysight      | N5173B      | MY62150163         | 2024/08/12 | 2025/08/11 |
| Power Meter                     | R&S           | NRVD-B2     | 835843/014         | 2024/08/08 | 2025/08/07 |
| Power Sensor                    | R&S           | NRV-Z4      | 100381             | 2024/08/08 | 2025/08/07 |
| Power Sensor                    | R&S           | NRV-Z2      | 100211             | 2024/08/08 | 2025/08/07 |
| Signal Generator                | Keysight      | N5173B      | MY62150163         | 2025/07/15 | 2026/07/14 |
| Power Meter                     | R&S           | NRVD-B2     | 835843/014         | 2025/07/15 | 2026/07/14 |
| Power Sensor                    | R&S           | NRV-Z4      | 100381             | 2025/07/15 | 2026/07/14 |
| Power Sensor                    | R&S           | NRV-Z2      | 100211             | 2025/07/15 | 2026/07/14 |
| Wireless Communication Test Set | Anritsu       | MT8820C     | 6201144551         | 2025/04/30 | 2026/04/29 |
| Network Analyzer                | Agilent       | E5071C      | MY46103472         | 2024/09/11 | 2025/09/10 |
| Network Analyzer                | Agilent       | E5071C      | MY46103472         | 2025/08/13 | 2026/08/12 |
| Thermometer                     | Elitech       | RC-4HC      | EF720B004813       | 2024/10/24 | 2025/10/23 |
| Thermometer                     | Elitech       | RC-4HC      | EF720B004817       | 2024/10/24 | 2025/10/23 |
| Thermometer                     | Elitech       | RC-4HC      | EF7239002652       | 2025/09/04 | 2026/09/03 |
| Thermometer                     | Elitech       | RC-4        | EF5238001629       | 2025/09/16 | 2026/09/15 |
| Power Amplifier                 | Mini-Circuits | ZVA-183W-S+ | 932502132          | N/A        | N/A        |
| Dielectric Probe Kit            | Speag         | DAK3.5      | SN: 1312           | N/A        | N/A        |
| Phantom                         | Speag         | SAM         | SN: 1859           | N/A        | N/A        |
| Attenuator                      | COM-MW        | ZA-S1-31    | 1305003187         | N/A        | N/A        |
| Directional coupler             | AA-MCS        | AAMCS-UDC   | 000272             | N/A        | N/A        |

Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.

| Description                                                                        | Manufacturer | Model | Serial No./Version | Cal. Date | Cal. Due |
|------------------------------------------------------------------------------------|--------------|-------|--------------------|-----------|----------|
| 4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement. |              |       |                    |           |          |

## ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using a DAK 3.5

Dielectric Probe Kit.

Head Liquid

| Date       | Liquid Type | Fre. (MHz) | Temp. (°C) | Meas. Conductivity ( $\sigma$ ) (S/m) | Meas. Permittivity ( $\epsilon$ ) | Target Conductivity ( $\sigma$ ) (S/m) | Target Permittivity ( $\epsilon$ ) | Conductivity Tolerance (%) | Permittivity Tolerance (%) |
|------------|-------------|------------|------------|---------------------------------------|-----------------------------------|----------------------------------------|------------------------------------|----------------------------|----------------------------|
| 2025.07.09 | Head        | 750        | 21.3       | 0.91                                  | 41.90                             | 0.89                                   | 41.94                              | 2.25                       | -0.10                      |
| 2025.07.10 | Head        | 750        | 21.4       | 0.90                                  | 41.85                             | 0.89                                   | 41.94                              | 1.12                       | -0.21                      |
| 2025.07.11 | Head        | 750        | 21.3       | 0.90                                  | 41.88                             | 0.89                                   | 41.94                              | 1.12                       | -0.14                      |
| 2025.07.12 | Head        | 750        | 21.3       | 0.92                                  | 42.33                             | 0.89                                   | 41.94                              | 3.37                       | 0.93                       |
| 2025.07.13 | Head        | 835        | 21.4       | 0.90                                  | 41.86                             | 0.90                                   | 41.50                              | 0.00                       | 0.87                       |
| 2025.07.14 | Head        | 835        | 21.2       | 0.91                                  | 41.95                             | 0.90                                   | 41.50                              | 1.11                       | 1.08                       |
| 2025.07.17 | Head        | 835        | 21.4       | 0.90                                  | 41.91                             | 0.90                                   | 41.50                              | 0.00                       | 0.99                       |
| 2025.09.04 | Head        | 1750       | 21.4       | 1.38                                  | 40.10                             | 1.37                                   | 40.08                              | 0.73                       | 0.05                       |
| 2025.09.05 | Head        | 1750       | 21.2       | 1.38                                  | 40.13                             | 1.37                                   | 40.08                              | 0.73                       | 0.12                       |
| 2025.09.06 | Head        | 1750       | 21.0       | 1.37                                  | 40.20                             | 1.37                                   | 40.08                              | 0.00                       | 0.30                       |
| 2025.09.07 | Head        | 1950       | 21.4       | 1.42                                  | 39.19                             | 1.40                                   | 40.00                              | 1.43                       | -2.03                      |
| 2025.08.11 | Head        | 1950       | 21.1       | 1.42                                  | 39.04                             | 1.40                                   | 40.00                              | 1.43                       | -2.40                      |
| 2025.09.08 | Head        | 1950       | 21.2       | 1.43                                  | 39.19                             | 1.40                                   | 40.00                              | 2.14                       | -2.03                      |
| 2025.09.09 | Head        | 1950       | 21.7       | 1.45                                  | 39.02                             | 1.40                                   | 40.00                              | 3.57                       | -2.45                      |
| 2025.08.12 | Head        | 2450       | 21.4       | 1.80                                  | 39.61                             | 1.80                                   | 39.20                              | 0.00                       | 1.05                       |
| 2025.08.13 | Head        | 2450       | 21.2       | 1.80                                  | 39.68                             | 1.80                                   | 39.20                              | 0.00                       | 1.22                       |
| 2025.08.14 | Head        | 2450       | 21.3       | 1.80                                  | 39.41                             | 1.80                                   | 39.20                              | 0.00                       | 0.54                       |
| 2025.08.15 | Head        | 2450       | 21.4       | 1.80                                  | 39.52                             | 1.80                                   | 39.20                              | 0.00                       | 0.82                       |
| 2025.09.10 | Head        | 2600       | 21.6       | 1.99                                  | 38.56                             | 1.96                                   | 39.01                              | 1.53                       | -1.15                      |
| 2025.09.11 | Head        | 2600       | 21.6       | 1.98                                  | 38.47                             | 1.96                                   | 39.01                              | 1.02                       | -1.38                      |
| 2025.08.16 | Head        | 2600       | 21.7       | 1.96                                  | 38.58                             | 1.96                                   | 39.01                              | 0.00                       | -1.10                      |
| 2025.09.12 | Head        | 2600       | 21.1       | 1.97                                  | 38.54                             | 1.96                                   | 39.01                              | 0.51                       | -1.20                      |
| 2025.08.17 | Head        | 2600       | 21.3       | 1.97                                  | 38.45                             | 1.96                                   | 39.01                              | 0.51                       | -1.44                      |
| 2025.09.13 | Head        | 3500       | 21.4       | 2.87                                  | 37.92                             | 2.91                                   | 37.93                              | -1.37                      | -0.03                      |
| 2025.09.14 | Head        | 3500       | 21.5       | 2.88                                  | 38.42                             | 2.91                                   | 37.93                              | -1.03                      | 1.29                       |
| 2025.09.15 | Head        | 3700       | 21.9       | 3.13                                  | 37.58                             | 3.12                                   | 37.70                              | 0.32                       | -0.32                      |
| 2025.09.16 | Head        | 3700       | 21.6       | 3.12                                  | 37.58                             | 3.12                                   | 37.70                              | 0.00                       | -0.32                      |
| 2025.09.17 | Head        | 3900       | 21.4       | 3.34                                  | 37.31                             | 3.32                                   | 37.47                              | 0.60                       | -0.43                      |
| 2025.08.19 | Head        | 5250       | 21.3       | 4.70                                  | 35.81                             | 4.71                                   | 35.93                              | -0.21                      | -0.33                      |
| 2025.08.20 | Head        | 5250       | 21.2       | 4.70                                  | 35.90                             | 4.71                                   | 35.93                              | -0.21                      | -0.08                      |
| 2025.08.21 | Head        | 5600       | 21.7       | 5.05                                  | 35.30                             | 5.07                                   | 35.53                              | -0.39                      | -0.65                      |
| 2025.08.22 | Head        | 5600       | 21.1       | 5.06                                  | 35.22                             | 5.07                                   | 35.53                              | -0.20                      | -0.87                      |
| 2025.08.23 | Head        | 5750       | 21.3       | 5.18                                  | 35.60                             | 5.22                                   | 35.36                              | -0.77                      | 0.68                       |
| 2025.08.24 | Head        | 5750       | 21.0       | 5.18                                  | 35.39                             | 5.22                                   | 35.36                              | -0.77                      | 0.08                       |

|            |      |      |      |      |       |      |       |      |       |
|------------|------|------|------|------|-------|------|-------|------|-------|
| 2025.11.24 | Head | 1750 | 21.4 | 1.38 | 40.04 | 1.37 | 40.08 | 0.73 | -0.10 |
| 2025.11.24 | Head | 835  | 21.4 | 0.90 | 41.85 | 0.90 | 41.50 | 0.00 | 0.84  |
| 2025.11.25 | Head | 750  | 21.5 | 0.91 | 41.72 | 0.89 | 41.94 | 2.25 | -0.52 |
| 2025.11.25 | Head | 2600 | 21.5 | 1.98 | 38.49 | 1.96 | 39.01 | 1.02 | -1.33 |
| 2025.11.26 | Head | 1950 | 21.3 | 1.42 | 39.05 | 1.40 | 40.00 | 1.43 | -2.38 |

Note: The tolerance limit of Conductivity and Permittivity is  $\pm 5\%$ .

## ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by SPEAG, the validation data should be within its specification of 10 % (for 1 g).

Head Liquid 1g

| Date       | Liquid Type | Freq. (MHz) | Power (mW) | Measured SAR (W/kg) | Normalized SAR (W/kg) | Dipole SAR (W/kg) | Tolerance (%) |
|------------|-------------|-------------|------------|---------------------|-----------------------|-------------------|---------------|
| 2025.07.09 | Head        | 750         | 100        | 0.858               | 8.58                  | 8.46              | 1.42          |
| 2025.07.10 | Head        | 750         | 100        | 0.851               | 8.51                  | 8.46              | 0.59          |
| 2025.07.11 | Head        | 750         | 100        | 0.863               | 8.63                  | 8.46              | 2.01          |
| 2025.07.12 | Head        | 750         | 100        | 0.869               | 8.69                  | 8.46              | 2.72          |
| 2025.07.13 | Head        | 835         | 100        | 0.956               | 9.56                  | 9.74              | -1.85         |
| 2025.07.14 | Head        | 835         | 100        | 0.961               | 9.61                  | 9.74              | -1.33         |
| 2025.07.17 | Head        | 835         | 100        | 0.976               | 9.76                  | 9.74              | 0.21          |
| 2025.09.04 | Head        | 1750        | 100        | 3.760               | 37.60                 | 37.00             | 1.62          |
| 2025.09.05 | Head        | 1750        | 100        | 3.680               | 36.80                 | 37.00             | -0.54         |
| 2025.09.06 | Head        | 1750        | 100        | 3.710               | 37.10                 | 37.00             | 0.27          |
| 2025.09.07 | Head        | 1950        | 100        | 4.120               | 41.20                 | 41.70             | -1.20         |
| 2025.08.11 | Head        | 1950        | 100        | 4.050               | 40.50                 | 41.70             | -2.88         |
| 2025.09.08 | Head        | 1950        | 100        | 4.160               | 41.60                 | 41.70             | -0.24         |
| 2025.09.09 | Head        | 1950        | 100        | 4.220               | 42.20                 | 41.70             | 1.20          |
| 2025.08.12 | Head        | 2450        | 100        | 5.320               | 53.20                 | 52.60             | 1.14          |
| 2025.08.13 | Head        | 2450        | 100        | 5.270               | 52.70                 | 52.60             | 0.19          |
| 2025.08.14 | Head        | 2450        | 100        | 5.220               | 52.20                 | 52.60             | -0.76         |
| 2025.08.15 | Head        | 2450        | 100        | 5.310               | 53.10                 | 52.60             | 0.95          |
| 2025.09.10 | Head        | 2600        | 100        | 5.550               | 55.50                 | 55.90             | -0.72         |
| 2025.09.11 | Head        | 2600        | 100        | 5.580               | 55.80                 | 55.90             | -0.18         |
| 2025.08.16 | Head        | 2600        | 100        | 5.490               | 54.90                 | 55.90             | -1.79         |
| 2025.09.12 | Head        | 2600        | 100        | 5.640               | 56.40                 | 55.90             | 0.89          |
| 2025.08.17 | Head        | 2600        | 100        | 5.730               | 57.30                 | 55.90             | 2.50          |
| 2025.09.13 | Head        | 3500        | 100        | 6.830               | 68.30                 | 68.00             | 0.44          |
| 2025.09.14 | Head        | 3500        | 100        | 6.880               | 68.80                 | 68.00             | 1.18          |
| 2025.09.15 | Head        | 3700        | 100        | 6.800               | 68.00                 | 66.70             | 1.95          |
| 2025.09.16 | Head        | 3700        | 100        | 6.740               | 67.40                 | 66.70             | 1.05          |
| 2025.09.17 | Head        | 3900        | 100        | 6.860               | 68.60                 | 67.60             | 1.48          |
| 2025.08.19 | Head        | 5250        | 100        | 7.890               | 78.90                 | 77.70             | 1.54          |
| 2025.08.20 | Head        | 5250        | 100        | 7.790               | 77.90                 | 77.70             | 0.26          |
| 2025.08.21 | Head        | 5600        | 100        | 8.220               | 82.20                 | 81.30             | 1.11          |
| 2025.08.22 | Head        | 5600        | 100        | 7.990               | 79.90                 | 81.30             | -1.72         |
| 2025.08.23 | Head        | 5750        | 100        | 7.730               | 77.30                 | 77.60             | -0.39         |
| 2025.08.24 | Head        | 5750        | 100        | 7.650               | 76.50                 | 77.60             | -1.42         |
| 2025.11.24 | Head        | 1750        | 100        | 3.660               | 36.60                 | 37.00             | -1.08         |
| 2025.11.24 | Head        | 835         | 100        | 0.950               | 9.50                  | 9.74              | -2.46         |

|            |      |      |     |       |       |       |       |
|------------|------|------|-----|-------|-------|-------|-------|
| 2025.11.25 | Head | 750  | 100 | 0.844 | 8.44  | 8.46  | -0.24 |
| 2025.11.25 | Head | 2600 | 100 | 5.520 | 55.20 | 55.90 | -1.25 |
| 2025.11.26 | Head | 1950 | 100 | 4.150 | 41.50 | 41.70 | -0.48 |

Note: The tolerance limit of System validation  $\pm 10\%$ .

### Head Liquid 10g

| Date       | Liquid Type | Freq. (MHz) | Power (mW) | Measured SAR (W/kg) | Normalized SAR (W/kg) | Dipole SAR (W/kg) | Tolerance (%) |
|------------|-------------|-------------|------------|---------------------|-----------------------|-------------------|---------------|
| 2025.07.09 | Head        | 750         | 100        | 0.557               | 5.57                  | 5.70              | -2.28         |
| 2025.07.10 | Head        | 750         | 100        | 0.549               | 5.49                  | 5.70              | -3.68         |
| 2025.07.11 | Head        | 750         | 100        | 0.562               | 5.62                  | 5.70              | -1.40         |
| 2025.07.12 | Head        | 750         | 100        | 0.565               | 5.65                  | 5.70              | -0.88         |
| 2025.07.13 | Head        | 835         | 100        | 0.624               | 6.24                  | 6.43              | -2.95         |
| 2025.07.14 | Head        | 835         | 100        | 0.634               | 6.34                  | 6.43              | -1.40         |
| 2025.07.17 | Head        | 835         | 100        | 0.641               | 6.41                  | 6.43              | -0.31         |
| 2025.09.04 | Head        | 1750        | 100        | 1.940               | 19.40                 | 19.70             | -1.52         |
| 2025.09.05 | Head        | 1750        | 100        | 1.880               | 18.80                 | 19.70             | -4.57         |
| 2025.09.06 | Head        | 1750        | 100        | 1.910               | 19.10                 | 19.70             | -3.05         |
| 2025.09.07 | Head        | 1950        | 100        | 2.050               | 20.50                 | 21.70             | -5.53         |
| 2025.08.11 | Head        | 1950        | 100        | 1.990               | 19.90                 | 21.70             | -8.29         |
| 2025.09.08 | Head        | 1950        | 100        | 2.090               | 20.90                 | 21.70             | -3.69         |
| 2025.09.09 | Head        | 1950        | 100        | 2.150               | 21.50                 | 21.70             | -0.92         |
| 2025.08.12 | Head        | 2450        | 100        | 2.530               | 25.30                 | 24.70             | 2.43          |
| 2025.08.13 | Head        | 2450        | 100        | 2.410               | 24.10                 | 24.70             | -2.43         |
| 2025.08.14 | Head        | 2450        | 100        | 2.430               | 24.30                 | 24.70             | -1.62         |
| 2025.08.15 | Head        | 2450        | 100        | 2.460               | 24.60                 | 24.70             | -0.40         |
| 2025.09.10 | Head        | 2600        | 100        | 2.510               | 25.10                 | 25.40             | -1.18         |
| 2025.09.11 | Head        | 2600        | 100        | 2.530               | 25.30                 | 25.40             | -0.39         |
| 2025.08.16 | Head        | 2600        | 100        | 2.440               | 24.40                 | 25.40             | -3.94         |
| 2025.09.12 | Head        | 2600        | 100        | 2.570               | 25.70                 | 25.40             | 1.18          |
| 2025.08.17 | Head        | 2600        | 100        | 2.610               | 26.10                 | 25.40             | 2.76          |
| 2025.09.13 | Head        | 3500        | 100        | 2.620               | 26.20                 | 26.10             | 0.38          |
| 2025.09.14 | Head        | 3500        | 100        | 2.670               | 26.70                 | 26.10             | 2.30          |
| 2025.09.15 | Head        | 3700        | 100        | 2.510               | 25.10                 | 24.60             | 2.03          |
| 2025.09.16 | Head        | 3700        | 100        | 2.470               | 24.70                 | 24.60             | 0.41          |
| 2025.09.17 | Head        | 3900        | 100        | 2.410               | 24.10                 | 23.60             | 2.12          |
| 2025.08.19 | Head        | 5250        | 100        | 2.310               | 23.10                 | 22.00             | 5.00          |
| 2025.08.20 | Head        | 5250        | 100        | 2.260               | 22.60                 | 22.00             | 2.73          |
| 2025.08.21 | Head        | 5600        | 100        | 2.330               | 23.30                 | 23.10             | 0.87          |
| 2025.08.22 | Head        | 5600        | 100        | 2.260               | 22.60                 | 23.10             | -2.16         |
| 2025.08.23 | Head        | 5750        | 100        | 2.150               | 21.50                 | 21.90             | -1.83         |
| 2025.08.24 | Head        | 5750        | 100        | 2.090               | 20.90                 | 21.90             | -4.57         |

|            |      |      |     |       |       |       |       |
|------------|------|------|-----|-------|-------|-------|-------|
| 2025.11.24 | Head | 1750 | 100 | 1.950 | 19.50 | 19.70 | -1.02 |
| 2025.11.24 | Head | 835  | 100 | 0.610 | 6.10  | 6.43  | -5.13 |
| 2025.11.25 | Head | 750  | 100 | 0.560 | 5.60  | 5.70  | -1.75 |
| 2025.11.25 | Head | 2600 | 100 | 2.510 | 25.10 | 25.40 | -1.18 |
| 2025.11.26 | Head | 1950 | 100 | 2.130 | 21.30 | 21.70 | -1.84 |

Note: The tolerance limit of System validation  $\pm 10\%$ .

Please refer the document "BL-SZ2561465-ASC.pdf".

## **ANNEX C TEST DATA**

Please refer the document “BL-SZ2561465-ATD.pdf”.

## **ANNEX D EUT EXTERNAL PHOTOS**

Please refer the document “BL-SZ2561465-AW.pdf”.

## **ANNEX E SAR TEST SETUP PHOTOS**

Please refer the document “BL-SZ2561465-AS.pdf”.

## **ANNEX F CALIBRATION REPORT**

Please refer the document “BL-SZ2561465-AC.pdf”.

## **ANNEX G TUNE-UP PROCEDURE**

Please refer the document “BL-SZ2561465-AT.pdf”.

## Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--