

SAR Test Report

Report No. : SF191206C11
Applicant : HON HAI Precision Ind. Co., Ltd.
Address : 5F-1, 5 Hsin-An Road Hsinchu, Science-Based Industrial Park, Hsinchu,
Taiwan, R.O.C
Product : LTE M.2 Module
FCC ID : MCLT77W968-D6
Brand : FOXCONN
Model No. : T77W968
Standards : FCC 47 CFR Part 2 (2.1093), IEEE C95.1:1992, IEEE Std 1528:2013
KDB 865664 D01 v01r04, KDB 865664 D02 v01r02, KDB 248227 D01 v02r02
KDB 447498 D01 v06, KDB 616217 D04 v01r02 , KDB 941225 D01 v03r01
KDB 941225 D05 v02r05, KDB 941225 D05A v01r02
Sample Received Date : Dec. 06, 2019
Date of Testing : Feb. 14, 2020 ~ Feb. 27, 2020
Lab Address : No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location : No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City, Taiwan

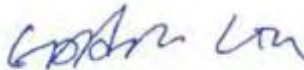
CERTIFICATION: The above equipment have been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch–Lin Kou Laboratories**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's SAR characteristics under the conditions specified in this report. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product certification, approval, or endorsement by TAF or any government agencies.

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FCC Accredited No.: TW0003

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Release Control Record

| Report No. | Reason for Change | Date Issued |
|-------------|-------------------|---------------|
| SF191206C11 | Initial release | Mar. 03, 2020 |
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1. Summary of Maximum SAR Value

| Equipment Class | Mode | Highest SAR-1g Body (W/kg) | |
|-----------------|-------------|----------------------------|----------------|
| | | Tablet Mode | Laptop PC Mode |
| PCB | WCDMA II | 0.99 | 0.76 |
| | WCDMA IV | 0.80 | 0.55 |
| | WCDMA V | 0.74 | 0.59 |
| | LTE 2 & 25 | 1.05 | 0.82 |
| | LTE 4 & 66 | 1.18 | 0.88 |
| | LTE 5 | 1.03 | 0.70 |
| | LTE 7 | 0.93 | 0.96 |
| | LTE 12 | 0.64 | 0.60 |
| | LTE 13 | 0.66 | 0.51 |
| | LTE 14 | 0.81 | 0.51 |
| | LTE 17 | 0.72 | 0.79 |
| | LTE 26 | 0.79 | 0.58 |
| | LTE 30 | 1.04 | 0.89 |
| | LTE 38 & 41 | 0.82 | 0.76 |

| Highest Simultaneous Transmission SAR | Highest SAR-1g Body (W/kg) | |
|---------------------------------------|----------------------------|----------------|
| | Tablet Mode | Laptop PC Mode |
| | 1.57 | 1.59 |

Note:

- The SAR criteria (**Head & Body: SAR-1g1.6 W/kg, and Extremity: SAR-10g 4.0 W/kg**) for general population/uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.

2. Description of Equipment Under Test

| | |
|--|--|
| EUT Type | LTE M.2 Module |
| FCC ID | MCLT77W968-D6 (WWAN Module) PD9AX201D2 (WLAN Module) |
| Brand Name | FOXCONN |
| Model Name | T77W968 |
| EUT Configurations | EUT 1: EUT + WWAN Ethertronics Antenna +WLAN Ethertronics Antenna EUT 2: EUT + WWAN WNC Antenna +WLAN Ethertronics Antenna EUT 3: EUT + WWAN Ethertronics Antenna +WLAN Hong-BO Antenna EUT 4: EUT + WWAN WNC Antenna + WLAN Hong-BO Antenna |
| Tx Frequency Bands (Unit: MHz) | WCDMA Band II : 1852.4 ~ 1907.6 WCDMA Band IV : 1712.4 ~ 1752.6 WCDMA Band V : 826.4 ~ 846.6 LTE Band 2 : 1850.7 ~ 1909.3 (BW: 1.4M, 3M, 5M, 10M, 15M, 20M) LTE Band 4 : 1710.7 ~ 1754.3 (BW: 1.4M, 3M, 5M, 10M, 15M, 20M) LTE Band 5 : 824.7 ~ 848.3 (BW: 1.4M, 3M, 5M, 10M) LTE Band 7 : 2502.5 ~ 2567.5 (BW: 5M, 10M, 15M, 20M) LTE Band 12 : 699.7 ~ 715.3 (BW: 1.4M, 3M, 5M, 10M) LTE Band 13 : 779.5 ~ 784.5 (BW: 5M, 10M) LTE Band 14 : 790.5 ~ 795.5 (BW: 5M, 10M) LTE Band 17 : 706.5 ~ 713.5 (BW: 5M, 10M) LTE Band 25 : 1850.7 ~ 1914.3 (BW: 1.4M, 3M, 5M, 10M, 15M, 20M) LTE Band 26 : 814.7 ~ 848.3 (BW: 1.4M, 3M, 5M, 10M, 15M) LTE Band 29 : 717 ~ 728(Rx only) LTE Band 30 : 2307.5 ~ 2312.5 (BW: 5M, 10M) LTE Band 38 : 2572.5 ~ 2617.5 (BW: 5M, 10M, 15M, 20M) LTE Band 41 : 2498.5 ~ 2687.5 (BW: 5M, 10M, 15M, 20M) LTE Band 66 : 1710.7 ~ 1779.3 (BW: 1.4M, 3M, 5M, 10M, 15M, 20M) WLAN : 2412 ~ 2462, 5180 ~ 5240, 5260 ~ 5320, 5500 ~ 5720, 5745 ~ 5825 Bluetooth : 2402 ~ 2480 |
| Uplink Modulations | WCDMA : QPSK LTE : QPSK, 16QAM, 64QAM 802.11b : DSSS 802.11a/g/n/ac : OFDM 802.11ax : OFDMA Bluetooth : GFSK, π/4-DQPSK, 8-DPSK |
| Maximum Tune-up Conducted Power (Unit: dBm) | Please refer to section 4.6.1 of this report |
| Antenna Type | Fixed Internal Antenna |
| EUT Stage | Mass Product |

Note:

1. This report is a partial report, only WWAN and co-location were performed for this report. WLAN data please refer to report no.:191219-01.TR01 and 191219-04.TR02.
2. The EUT is authorized for use in specific End-product. Please refer to below for more details.

| Product | Brand | Model |
|-------------------|-------|-------|
| Portable Computer | DELL | P95F |

3. The WWAN module (Brand: FOXCONN, Model: T77W968) was installed in the EUT.
4. The WLAN/BT module (Brand: Intel, Model: AX201D2W) was installed in the EUT.
5. The following power reduction (power reduction) as below does not follow 3GPP MPR, LTE 5, LTE 7, LTE 12, LTE 13, LTE 14, LTE 17, LTE 25/2, LTE 26, LTE30, LTE 41/38, LTE 66/4.

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6. The antenna information is listed as below.

Manufacturer: Ethertronics

| Antenna Type | Parts Number | WWAN Antenna Gain (dBi) | | | | | | | | | | | | |
|--------------|--|-------------------------|----------|-----------------|-------|--------|--------|--------|--------|----------------|--------|--------|-----------------|----------------|
| | | WCDMA II | WCDMA IV | WCDMA V / LTE 5 | LTE 7 | LTE 12 | LTE 13 | LTE 14 | LTE 17 | LTE 25 & LTE 2 | LTE 26 | LTE 30 | LTE 41 & LTE 38 | LTE 66 & LTE 4 |
| PIFA | Main Ant(Tx/Rx): 5003671(DC33002CL0L) | Tablet Mode | | | | | | | | | | | | |
| | Aux Ant(Rx): 5003690(DC33002CL1L) | -1.79 | -3.01 | -6.9 | -2.26 | -6.13 | -6.31 | -6.43 | -6.13 | -1.79 | -6.86 | -0.18 | -0.08 | -2.54 |
| | 5003700(DC33002CL2L) | Laptop PC Mode | | | | | | | | | | | | |
| | | 2.92 | 2.94 | -1.17 | 2.46 | -1.68 | -0.44 | -0.47 | -1.79 | 2.92 | -1.17 | 2.67 | 2.62 | 2.94 |

Manufacturer: WNC

| Antenna Type | Parts Number | WWAN Antenna Gain (dBi) | | | | | | | | | | | | |
|--------------|---|-------------------------|----------|-----------------|-------|--------|--------|--------|--------|----------------|--------|--------|-----------------|----------------|
| | | WCDMA II | WCDMA IV | WCDMA V / LTE 5 | LTE 7 | LTE 12 | LTE 13 | LTE 14 | LTE 17 | LTE 25 & LTE 2 | LTE 26 | LTE 30 | LTE 41 & LTE 38 | LTE 66 & LTE 4 |
| PIFA | Main Ant(Tx/Rx): 57ELAS15.061(DC33002FS0L) | Tablet Mode | | | | | | | | | | | | |
| | Aux Ant(Rx): 57ELAS15.062(DC33002FS1L) | -1.89 | -3.02 | -6.92 | -2.33 | -6.23 | -6.34 | -6.49 | -6.23 | -1.89 | -6.86 | -0.21 | -0.13 | -2.54 |
| | 57ELAS15.066(DC33002FS2L) | Laptop PC Mode | | | | | | | | | | | | |
| | | 2.9 | 2.92 | -1.28 | 2.32 | -1.75 | -0.58 | -0.61 | -1.91 | 2.9 | -1.28 | 2.62 | 2.56 | 2.92 |

| Antenna Type | Manufacturer | Parts Number | WLAN Antenna Gain | | | |
|--------------|-------------------|---|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | BT/WLAN 2.4 GHz | WLAN 5.15-5.35 GHz | WLAN 5.47-5.725 GHz | WLAN 5.725-5.85 GHz |
| PIFA | Ethertronics | Main Ant.: 5003710 (DC33002CL3L) Aux Ant.: 5003710 (DC33002CL3L) | Main: -1.51 Aux.: -2.34 | Main: -0.68 Aux.: -1.16 | Main: -0.73 Aux.: -1.35 | Main: -0.58 Aux.: -1.35 |
| | Hong-BO Co., Ltd. | Main Ant.: 260-24302 (DC33002CQ1L) Aux Ant.: 260-24302 (DC33002CQ1L) | Main: -1.28 Aux.: -2.76 | Main: -2.02 Aux.: -1.06 | Main: -1.23 Aux.: -1.24 | Main: -0.14 Aux.: -1.06 |

7. The above EUT information is declared by manufacturer and for more detailed features description please refers to the manufacturer's specifications or User's Manual.

List of Accessory:

| | | |
|-----------------------|--------------|----------------------|
| Battery 1 (6 Cell) | Brand Name | Dell |
| | Model Name | TVKGH |
| | Power Rating | 7334mAh, 88Wh, 11.4V |
| | Type | Li-ion |
| Battery 2 (4 Cell) | Brand Name | Dell |
| | Model Name | N7HT0 |
| | Power Rating | 6500mAh, 52Wh, 7.6V |
| | Type | Li-ion |

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

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 (ρ). 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: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SPEAG DASY6 System

DASY6 system consists of high precision robot, probe alignment sensor, phantom, robot controller, controlled measurement server and near-field probe. The robot includes six axes that can move to the precision position of the DASY6 software defined. The DASY6 software can define the area that is detected by the probe. The robot is connected to controlled box. Controlled measurement server is connected to the controlled robot box. The DAE includes amplifier, signal multiplexing, AD converter, offset measurement and surface detection. It is connected to the Electro-optical coupler (ECO). The ECO performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC.

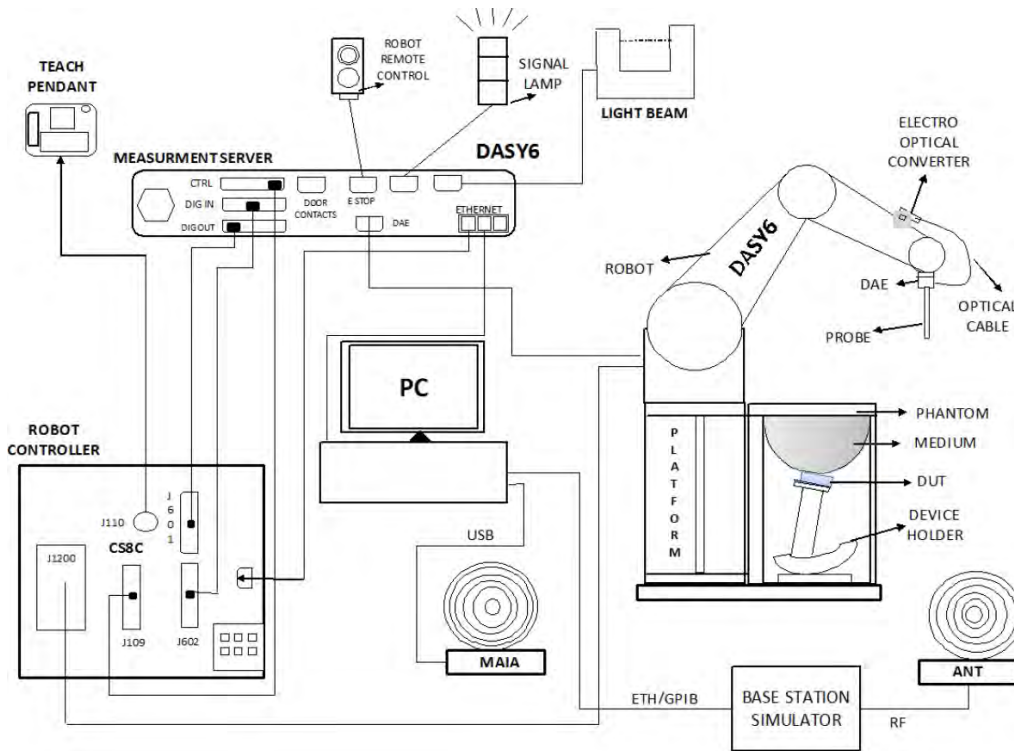


Fig-3.1 SPEAG DASY6 System Setup

3.2.1 Robot

The DASY6 systems use the high precision robots from Stäubli SA (France). For the 6-axis controller system, the robot controller version of CS8c from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability ± 0.035 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)




Fig-3.2 SPEAG DASY6 System


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3.2.2 Probes


The SAR measurement is conducted with the dosimetric probe. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency.

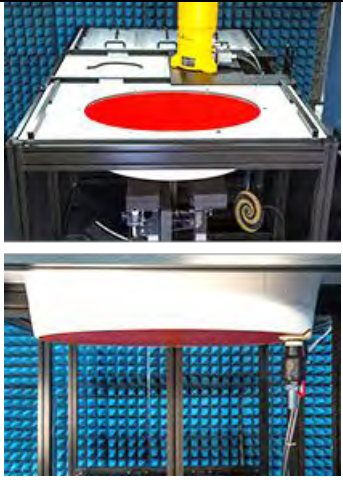
| | | |
|----------------------|--|---|
| Model | EX3DV4 |  |
| Construction | Symmetrical design with triangular core. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE). | |
| Frequency | 4 MHz to 10 GHz Linearity: ± 0.2 dB | |
| Directivity | ± 0.1 dB in TSL (rotation around probe axis) ± 0.3 dB in TSL (rotation normal to probe axis) | |
| Dynamic Range | 10 μ W/g to 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g) | |
| Dimensions | Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm | |

3.2.3 Data Acquisition Electronics (DAE)


| | | |
|-----------------------------|---|--|
| Model | DAE3, DAE4 |  |
| Construction | Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop. | |
| Measurement Range | -100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV) | |
| Input Offset Voltage | $< 5\mu$ V (with auto zero) | |
| Input Bias Current | < 50 fA | |
| Dimensions | 60 x 60 x 68 mm | |


3.2.4 Phantoms


| | | |
|------------------------|---|---|
| Model | SAM-Twin Phantom |  |
| Construction | The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE Std 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body-mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot. | |
| Material | Vinylester, fiberglass reinforced (VE-GF) | |
| Shell Thickness | 2 ± 0.2 mm (6 ± 0.2 mm at ear point) | |
| Dimensions | Length: 1000 mm Width: 500 mm Height: adjustable feet | |
| Filling Volume | approx. 25 liters | |

| | | |
|------------------------|---|---|
| Model | ELI |  |
| Construction | The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles. | |
| Material | Vinylester, fiberglass reinforced (VE-GF) | |
| Shell Thickness | 2.0 ± 0.2 mm (bottom plate) | |
| Dimensions | Major axis: 600 mm Minor axis: 400 mm | |
| Filling Volume | approx. 30 liters | |


3.2.5 Device Holder

| | | |
|---------------------|--|--|
| Model | MD4HHTV5 - Mounting Device for Hand-Held Transmitters |  |
| Construction | In combination with the Twin SAM or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). | |
| Material | Polyoxymethylene (POM) | |


| | | |
|---------------------|--|---|
| Model | MDA4WTV5 - Mounting Device Adaptor for Ultra Wide Transmitters |  |
| Construction | An upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm. | |
| Material | Polyoxymethylene (POM) | |

| | | |
|---------------------|--|---|
| Model | MDA4SPV6 - Mounting Device Adaptor for Smart Phones |  |
| Construction | The solid low-density MDA4SPV6 adaptor assuring no impact on the DUT radiation performance and is conform with any DUT design and shape. | |
| Material | ROHACELL | |


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| | | |
|---------------------|--|---|
| Model | MD4LAPV5 - Mounting Device for Laptops and other Body-Worn Transmitters |  |
| Construction | In combination with the Twin SAM or ELI phantoms, the Mounting Device (Body-Worn) enables testing of transmitter devices according to IEC 62209-2 specifications. The device holder can be locked for positioning at a flat phantom section. | |
| Material | Polyoxymethylene (POM), PET-G, Foam | |

3.2.6 System Validation Dipoles

| | | |
|-------------------------|--|--|
| Model | D-Serial |  |
| Construction | Symmetrical dipole with 1/4 balun. Enables measurement of feed point impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions. | |
| Frequency | 750 MHz to 5800 MHz | |
| Return Loss | > 20 dB | |
| Power Capability | > 100 W (f < 1GHz), > 40 W (f > 1GHz) | |

3.2.7 Power Source

| | | |
|------------------------------|---|---|
| Model | Powersource1 |  |
| Signal Type | Continuous Wave | |
| Operating Frequencies | 600 MHz to 5850 MHz | |
| Output Power | -5.0 dBm to +17.0 dBm | |
| Power Supply | 5V DC, via USB jack | |
| Power Consumption | <3 W | |
| Applications | System performance check and validation with a CW signal. | |

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3.2.8 Tissue Simulating Liquids

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 10 % are listed in Table-3.1.

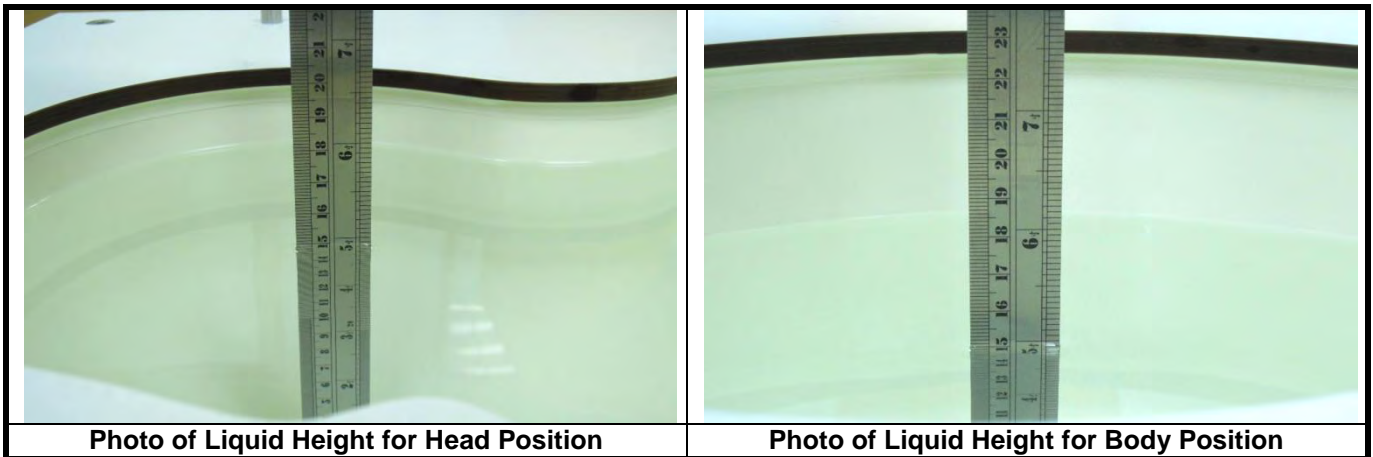


Table-3.1 Targets of Tissue Simulating Liquid

| Frequency (MHz) | Target Permittivity | Range of $\pm 10\%$ | Target Conductivity | Range of $\pm 10\%$ |
|-----------------|---------------------|---------------------|---------------------|---------------------|
| 450 | 43.5 | 39.2 ~ 47.9 | 0.87 | 0.78 ~ 0.96 |
| 750 | 41.9 | 37.7 ~ 46.1 | 0.89 | 0.80 ~ 0.98 |
| 835 | 41.5 | 37.4 ~ 45.7 | 0.90 | 0.81 ~ 0.99 |
| 900 | 41.5 | 37.4 ~ 45.7 | 0.97 | 0.87 ~ 1.07 |
| 1450 | 40.5 | 36.5 ~ 44.6 | 1.20 | 1.08 ~ 1.32 |
| 1500 | 40.4 | 36.4 ~ 44.4 | 1.23 | 1.11 ~ 1.35 |
| 1640 | 40.2 | 36.2 ~ 44.2 | 1.31 | 1.18 ~ 1.44 |
| 1750 | 40.1 | 36.1 ~ 44.1 | 1.37 | 1.23 ~ 1.51 |
| 1800 | 40.0 | 36.0 ~ 44.0 | 1.40 | 1.26 ~ 1.54 |
| 1900 | 40.0 | 36.0 ~ 44.0 | 1.40 | 1.26 ~ 1.54 |
| 2000 | 40.0 | 36.0 ~ 44.0 | 1.40 | 1.26 ~ 1.54 |
| 2100 | 39.8 | 35.8 ~ 43.8 | 1.49 | 1.34 ~ 1.64 |
| 2300 | 39.5 | 35.6 ~ 43.5 | 1.67 | 1.50 ~ 1.84 |
| 2450 | 39.2 | 35.3 ~ 43.1 | 1.80 | 1.62 ~ 1.98 |
| 2600 | 39.0 | 35.1 ~ 42.9 | 1.96 | 1.76 ~ 2.16 |
| 3000 | 38.5 | 34.7 ~ 42.4 | 2.40 | 2.16 ~ 2.64 |
| 3500 | 37.9 | 34.1 ~ 41.7 | 2.91 | 2.62 ~ 3.20 |
| 4000 | 37.4 | 33.7 ~ 41.1 | 3.43 | 3.09 ~ 3.77 |
| 4500 | 36.8 | 33.1 ~ 40.5 | 3.94 | 3.55 ~ 4.33 |
| 5000 | 36.2 | 32.6 ~ 39.8 | 4.45 | 4.01 ~ 4.90 |
| 5200 | 36.0 | 32.4 ~ 39.6 | 4.66 | 4.19 ~ 5.13 |
| 5400 | 35.8 | 32.2 ~ 39.4 | 4.86 | 4.37 ~ 5.35 |
| 5600 | 35.5 | 32.0 ~ 39.1 | 5.07 | 4.56 ~ 5.58 |
| 5800 | 35.3 | 31.8 ~ 38.8 | 5.27 | 4.74 ~ 5.80 |
| 6000 | 35.1 | 31.6 ~ 38.6 | 5.48 | 4.93 ~ 6.03 |

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The dielectric properties of the tissue simulating liquids are defined in IEC 62209-1 and IEC 62209-2. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using a dielectric assessment kit and a network analyzer.

Since the range of $\pm 10\%$ of the required target values is used to measure relative permittivity and conductivity, the SAR correction procedure is applied to correct measured SAR for the deviations in permittivity and conductivity. Only positive correction has been used to scale up the measured SAR, and SAR result would not be corrected if the correction Δ SAR has a negative sign.

The following table gives the recipes for tissue simulating liquids.

Table-3.2 Recipes of Tissue Simulating Liquid

| Tissue Type | Bactericide | DGBE | HEC | NaCl | Sucrose | Triton X-100 | Water | Diethylene Glycol Mono-hexylether |
|-------------|-------------|------|-----|------|---------|--------------|-------|-----------------------------------|
| H750 | 0.2 | - | 0.2 | 1.5 | 56.0 | - | 42.1 | - |
| H835 | 0.2 | - | 0.2 | 1.5 | 57.0 | - | 41.1 | - |
| H900 | 0.2 | - | 0.2 | 1.4 | 58.0 | - | 40.2 | - |
| H1450 | - | 43.3 | - | 0.6 | - | - | 56.1 | - |
| H1640 | - | 45.8 | - | 0.5 | - | - | 53.7 | - |
| H1750 | - | 47.0 | - | 0.4 | - | - | 52.6 | - |
| H1800 | - | 44.5 | - | 0.3 | - | - | 55.2 | - |
| H1900 | - | 44.5 | - | 0.2 | - | - | 55.3 | - |
| H2000 | - | 44.5 | - | 0.1 | - | - | 55.4 | - |
| H2300 | - | 44.9 | - | 0.1 | - | - | 55.0 | - |
| H2450 | - | 45.0 | - | 0.1 | - | - | 54.9 | - |
| H2600 | - | 45.1 | - | 0.1 | - | - | 54.8 | - |
| H3500 | - | 8.0 | - | 0.2 | - | 20.0 | 71.8 | - |
| H5G | - | - | - | - | - | 17.2 | 65.5 | 17.3 |

3.3 SAR System Verification

The system check verifies that the system operates within its specifications. It is performed daily or before every SAR measurement. The system check uses normal SAR measurements in the flat section of the phantom with a matched dipole at a specified distance. The system verification setup is shown as below.

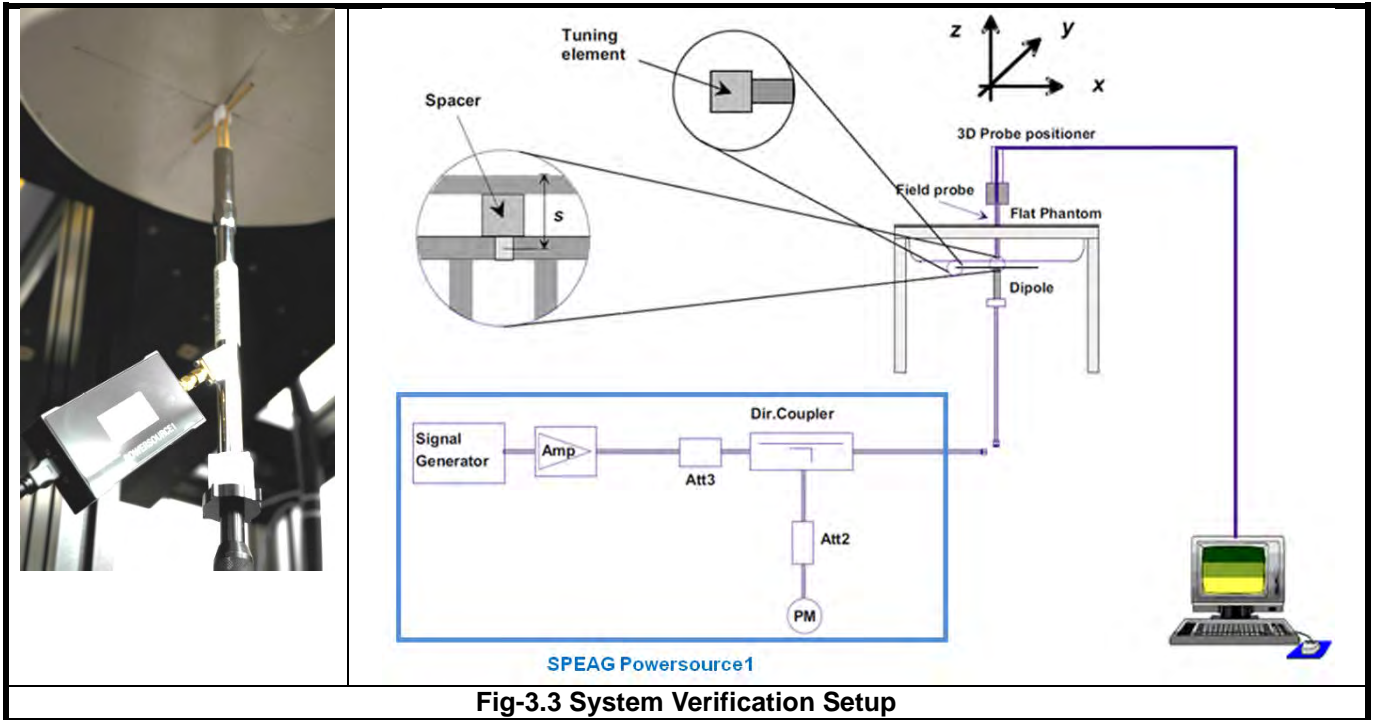


Fig-3.3 System Verification Setup

The SPEAG Powersource1 is a portable and very stable RF source providing a continuous wave (CW) signal. It is designed for conducting SAR system checks and SAR system validation of DASY and is compatible with IEC 62209-1, IEC 62209-2 and IEEE Std 1528 standards. The Powersource1 has been calibrated by SPEAG's ISO/IEC 17025-accredited calibration center. When using Powersource1, the setup can be simplified, as shown in Fig-3.3. The signal purity is warranted by design. Since the Powersource1 is calibrated, no additional equipment is needed and the Powersource1 can directly be connected to the SMA connector of the dipole without a cable as all separate components (signal generator, amplifier, coupler and power meter) are built into the unit.

The validation dipole is placed beneath the flat phantom with the specific spacer in place. The distance spacer is touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The Powersource1 is adjusted for the desired forward power of 17 dBm at the dipole connector and the RF output power would be turned on. After system check testing, the SAR result will be normalized to 1W forward input power and compared with the reference SAR value derived from validation dipole certificate report. The deviation of system check should be within 10 %.

3.4 SAR Measurement Procedure

According to the SAR test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

The SAR measurement procedures for each of test conditions are as follows:

- (a) Make EUT to transmit maximum output power
- (b) Measure conducted output power through RF cable
- (c) Place the EUT in the specific position of phantom
- (d) Perform SAR testing steps on the DASY system
- (e) Record the SAR value

3.4.1 Area Scan and 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.

Measure the local SAR at a test point at 1.4 mm of the inner surface of the phantom recommended by SEPAG. The area scan (two-dimensional SAR distribution) is performed cover at least an area larger than the projection of the EUT or antenna. The measurement resolution and spatial resolution for interpolation shall be chosen to allow identification of the local peak locations to within one-half of the linear dimension of the corresponding side of the zoom scan volume. Following table provides the measurement parameters required for the area scan.

| Parameter | $f \leq 3 \text{ GHz}$ | $3 \text{ GHz} < f \leq 6 \text{ GHz}$ |
|---|---|--|
| Maximum distance from closest measurement point to phantom surface | 5 ± 1 | $\delta \ln(2)/2 \pm 0.5$ |
| Maximum probe angle from probe axis to phantom surface normal at the measurement location | $30^\circ \pm 1^\circ$ | $20^\circ \pm 1^\circ$ |
| Maximum area scan spatial resolution: $\Delta x_{Area}, \Delta y_{Area}$ | $\leq 2 \text{ GHz: } \leq 15 \text{ mm}$ $2 - 3 \text{ GHz: } \leq 12 \text{ mm}$ | $3 - 4 \text{ GHz: } \leq 12 \text{ mm}$ $4 - 6 \text{ GHz: } \leq 10 \text{ mm}$ |

From the scanned SAR distribution, identify the position of the maximum SAR value, in addition identify the positions of any local maxima with SAR values within 2 dB of the maximum value that will not be within the zoom scan of other peaks. Additional peaks shall be measured only when the primary peak is within 2 dB of the SAR compliance limit (e.g. 1 W/kg for 1.6 W/kg, 1 g limit; or 1.26 W/kg for 2 W/kg, 10 g limit).

The zoom scan (three-dimensional SAR distribution) is performed at the local maxima locations identified in previous area scan procedure. The zoom scan volume must be larger than the required minimum dimensions. When graded grids are used, which only applies in the direction normal to the phantom surface, the initial grid separation closest to the phantom surface and subsequent graded grid increment ratios must satisfy the required protocols. The 1-g SAR averaging volume must be fully contained within the zoom scan measurement volume boundaries; otherwise, the measurement must be repeated by shifting or expanding the zoom scan volume. The similar requirements also apply to 10-g SAR measurements. Following table provides the measurement parameters required for the zoom scan.

| Parameter | | $f \leq 3$ GHz | $3 \text{ GHz} < f \leq 6$ GHz |
|--|---|---|--|
| Maximum zoom scan spatial resolution: $\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}}$ | | ≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm | 3 – 4 GHz: ≤ 5 mm 4 – 6 GHz: ≤ 4 mm |
| Maximum zoom scan spatial resolution, normal to phantom surface | <i>uniform grid:</i> $\Delta z_{\text{zoom}}(n)$ | ≤ 5 mm | 3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm |
| | <i>graded grids:</i> $\Delta z_{\text{zoom}}(1)$ | ≤ 4 mm | 3 – 4 GHz: ≤ 3.0 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2.0 mm |
| | $\Delta z_{\text{zoom}}(n>1)$ | $\leq 1.5 \cdot \Delta z_{\text{zoom}}(n-1)$ mm | |
| Minimum zoom scan volume (x, y, z) | | ≥ 30 mm | 3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm |

Per IEC 62209-2 AMD1, the successively higher resolution zoom scan is required if the zoom scan measured as defined above complies with both of the following criteria, or if the peak spatial-average SAR is below 0.1 W/kg, no additional measurements are needed:

- (1) The smallest horizontal distance from the local SAR peaks to all points 3 dB below the SAR peak shall be larger than the horizontal grid steps in both x and y directions ($\Delta x, \Delta y$). This shall be checked for the measured zoom scan plane conformal to the phantom at the distance z_{M1} .
- (2) The ratio of the SAR at the second measured point (M2) to the SAR at the closest measured point (M1) at the x-y location of the measured maximum SAR value shall be at least 30 %.

If one or both of the above criteria are not met, the zoom scan measurement shall be repeated using a finer resolution. New horizontal and vertical grid steps shall be determined from the measured SAR distribution so that the above criteria are met. Compliance with the above two criteria shall be demonstrated for the new measured zoom scan.

3.4.2 Volume Scan Procedure

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

3.4.3 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drift more than 5%, the SAR will be retested.

3.4.4 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

3.4.5 SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

4. SAR Measurement Evaluation

4.1 EUT Configuration and Setting

<Considerations Related to Proximity Sensor>

The device supports WWAN, WLAN, and Bluetooth capabilities. It is designed with a proximity sensor which can trigger/not trigger power reduction for GSM, WCDMA and LTE on Rear Face and Top Side of EUT for SAR compliance. Others RF capability (WLAN and Bluetooth) have no power reduction. The power levels for all wireless technologies and the power reduction please refer to section 4.6 of this report.

Proximity Sensor Triggering Distances (KDB 616217 D04 §6.2)

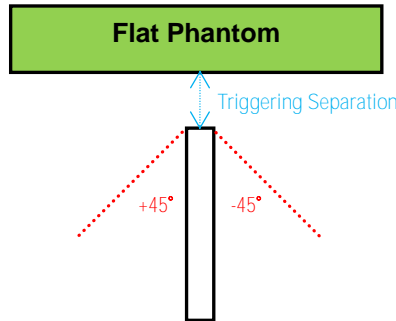
The proximity sensor triggering distance was determined per KDB 616217 for rear face and applicable edge. Summary for power verification per distance was tabulated in the below table.

| Output Power Verification in dBm for EUT Back Surface | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|
| Distance (mm) | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 |
| WCDMA II | 15.3 | 15.5 | 15.3 | 15.4 | 15.1 | 15.4 | 23.4 | 23.6 | 23.7 | 23.8 | 23.7 |
| WCDMA IV | 16.3 | 16.4 | 16.3 | 16.3 | 16.5 | 16.4 | 24.1 | 23.7 | 23.9 | 23.9 | 23.6 |
| WCDMA V | 18.4 | 18.4 | 18.9 | 18.8 | 18.6 | 18.7 | 23.6 | 23.9 | 23.9 | 23.8 | 23.6 |
| LTE 2 | 15.4 | 15.3 | 15.1 | 15.5 | 15.4 | 15.1 | 23.6 | 23.6 | 23.7 | 23.7 | 23.9 |
| LTE 4 | 16.6 | 16.5 | 16.9 | 16.8 | 16.8 | 17.0 | 23.7 | 23.7 | 23.8 | 23.8 | 23.4 |
| LTE 5 | 19.4 | 19.3 | 19.3 | 19.7 | 19.5 | 19.7 | 23.1 | 23.1 | 23.1 | 23.3 | 23.6 |
| LTE 7 | 14.9 | 14.9 | 14.8 | 15.0 | 14.8 | 14.9 | 23.7 | 23.7 | 23.6 | 23.9 | 23.7 |
| LTE 12 | 18.0 | 17.9 | 17.8 | 18.0 | 18.2 | 18.1 | 23.5 | 23.9 | 23.6 | 23.8 | 23.6 |
| LTE 13 | 17.8 | 18.2 | 18.2 | 18.3 | 18.0 | 18.0 | 23.6 | 23.6 | 23.6 | 23.8 | 23.8 |
| LTE 14 | 18.3 | 18.1 | 18.1 | 17.9 | 17.9 | 18.4 | 23.2 | 23.4 | 23.4 | 23.6 | 23.5 |
| LTE 17 | 19.2 | 19.4 | 19.2 | 19.4 | 19.2 | 19.3 | 23.6 | 23.8 | 23.8 | 23.5 | 23.6 |
| LTE 25 | 15.2 | 15.1 | 15.0 | 15.2 | 15.4 | 15.0 | 23.2 | 23.6 | 23.7 | 23.5 | 23.5 |
| LTE 26 | 18.6 | 18.7 | 18.6 | 18.9 | 18.4 | 18.8 | 23.1 | 23.3 | 23.6 | 23.6 | 23.3 |
| LTE 30 | 14.9 | 14.8 | 15.0 | 14.6 | 15.0 | 15.0 | 22.0 | 22.2 | 22.0 | 22.1 | 21.9 |
| LTE 38 | 16.6 | 16.5 | 16.9 | 16.6 | 16.9 | 16.7 | 23.8 | 24.1 | 24.0 | 24.1 | 23.7 |
| LTE 41 | 16.6 | 16.7 | 16.9 | 16.8 | 16.9 | 16.9 | 24.0 | 24.1 | 24.1 | 23.8 | 24.2 |
| LTE 66 | 16.7 | 16.8 | 16.9 | 16.8 | 17.0 | 16.7 | 23.9 | 24.0 | 23.7 | 23.5 | 23.9 |

| Output Power Verification in dBm for EUT Bottom Edge | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|
| Distance (mm) | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| WCDMA II | 15.2 | 15.4 | 15.5 | 15.3 | 15.4 | 15.4 | 23.3 | 23.8 | 23.5 | 23.5 | 23.7 |
| WCDMA IV | 16.0 | 16.2 | 16.0 | 16.1 | 16.2 | 16.5 | 23.9 | 24.0 | 24.1 | 24.0 | 23.8 |
| WCDMA V | 18.6 | 18.5 | 18.8 | 18.8 | 18.5 | 18.9 | 23.8 | 23.5 | 23.9 | 23.5 | 23.9 |
| LTE 2 | 15.0 | 15.0 | 15.1 | 15.1 | 15.5 | 15.2 | 23.7 | 23.9 | 23.4 | 23.9 | 23.5 |
| LTE 4 | 16.5 | 16.7 | 16.7 | 16.8 | 16.8 | 16.5 | 23.4 | 23.8 | 23.6 | 23.6 | 23.3 |
| LTE 5 | 19.4 | 19.7 | 19.5 | 19.8 | 19.5 | 19.7 | 23.6 | 23.5 | 23.4 | 23.2 | 23.6 |
| LTE 7 | 14.9 | 14.8 | 14.8 | 14.9 | 14.5 | 14.9 | 24.0 | 23.8 | 23.6 | 24.1 | 24.1 |
| LTE 12 | 18.0 | 18.1 | 18.0 | 18.0 | 18.2 | 18.3 | 23.5 | 23.5 | 23.6 | 23.8 | 23.8 |
| LTE 13 | 18.1 | 18.2 | 17.8 | 18.2 | 17.9 | 18.0 | 24.0 | 23.6 | 24.0 | 23.9 | 23.7 |
| LTE 14 | 18.0 | 18.1 | 18.2 | 18.3 | 18.0 | 18.4 | 23.4 | 23.4 | 23.3 | 23.2 | 23.6 |
| LTE 17 | 19.2 | 18.9 | 19.0 | 19.1 | 19.2 | 19.0 | 23.7 | 23.5 | 23.7 | 23.7 | 24.0 |
| LTE 25 | 15.2 | 15.4 | 15.1 | 15.1 | 15.5 | 15.2 | 23.5 | 23.6 | 23.2 | 23.6 | 23.5 |
| LTE 26 | 18.9 | 18.7 | 18.5 | 18.9 | 18.8 | 18.5 | 23.1 | 23.1 | 23.5 | 23.3 | 23.1 |
| LTE 30 | 14.8 | 14.8 | 15.0 | 14.6 | 14.8 | 14.5 | 22.1 | 22.2 | 22.3 | 22.1 | 21.9 |
| LTE 38 | 17.0 | 16.7 | 16.6 | 17.0 | 17.0 | 16.9 | 23.7 | 24.0 | 23.8 | 23.6 | 23.8 |
| LTE 41 | 16.8 | 16.9 | 16.5 | 16.8 | 17.0 | 16.9 | 23.7 | 24.2 | 23.8 | 23.7 | 23.7 |
| LTE 66 | 16.6 | 17.0 | 16.6 | 16.7 | 17.0 | 17.0 | 24.0 | 23.9 | 23.6 | 23.7 | 23.8 |

Proximity Sensor Tilt Angle Influences(KDB 616217 D04 §6.4)

The proximity sensor tilt angle influence was determined per KDB 616217 for applicable edge. Summary for proximity sensor tilt angle influence is shown in below.



| Orientation | Separation Distance (mm) | Tilt Angle | | | | | | | | | | |
|-------------|--------------------------|------------|------|------|------|------|----|-----|-----|-----|-----|-----|
| | | -45° | -40° | -30° | -20° | -10° | 0° | 10° | 20° | 30° | 40° | 45° |
| Bottom Edge | 11 | On | On | On | On | On | On | On | On | On | On | On |

Summary for Proximity Sensor Triggering Test

According to the procedures noticed in KDB 616217 D04, the proximity sensor triggering distance is 46 mm for EUT Rear Face, and 11 mm for Bottom Side. The separation distance of 11 mm determined by the smallest triggering distance on Bottom Side is used to access the tilt angle influence and the sensor does not release during ±45 degree. Therefore, the smallest separation distance for tilt angle influence is 11 mm for the Bottom Side. The conservation triggering distances based on the separation distance for the sensor trigger / not triggered as EUT with power reduction at 0 mm, and EUT without power reduction at 10 mm for EUT Rear Face, and 10 mm for Bottom Side were used to test SAR.

The power reduction is depends on the proximity sensor input. For a steady SAR test, the power reduction was enabled or disabled manually by engineering software during SAR testing.

<Connections between EUT and System Simulator>

For WWAN SAR testing, the EUT was linked and controlled by base station emulator. Communication between the EUT and the emulator was established by air link. The distance between the EUT and the communicating antenna of the emulator is larger than 50 cm and the output power radiated from the emulator antenna is at least 30 dB smaller than the output power of EUT. The EUT was set from the emulator to radiate maximum output power during SAR testing.

<Considerations Related to WCDMA for Setup and Testing>

WCDMA Handsets Body-worn SAR

SAR for body-worn configurations is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”. The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCH_n configurations supported by the handset with 12.2 kbps RMC as the primary mode.

DC-HSDPA SAR Guidance

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

<Considerations Related to LTE for Setup and Testing>

This device contains LTE transmitter which follows 3GPP standards, is category 3, supports both QPSK and QAM modulations, and supported LTE band and channel bandwidth is listed in below. The output power was tested per 3GPP TS 36.521-1 maximum transmit procedures for both QPSK and QAM modulation. The results please refer to section 4.6 of this report.

| EUT Supported LTE Band and Channel Bandwidth | | | | | | |
|--|------------|----------|----------|-----------|-----------|-----------|
| LTE Band | BW 1.4 MHz | BW 3 MHz | BW 5 MHz | BW 10 MHz | BW 15 MHz | BW 20 MHz |
| 2 | V | V | V | V | V | V |
| 4 | V | V | V | V | V | V |
| 5 | V | V | V | V | | |
| 7 | | | V | V | V | V |
| 12 | V | V | V | V | | |
| 13 | | | V | V | | |
| 14 | | | V | V | | |
| 17 | | | V | V | | |
| 25 | V | V | V | V | V | V |
| 26 | V | V | V | V | V | |
| 30 | | | V | V | | |
| 38 | | | V | V | V | V |
| 41 | | | V | V | V | V |
| 66 | V | V | V | V | V | V |

The LTE maximum power reduction (MPR) in accordance with 3GPP TS 36.101 is active all times during LTE operation. The allowed MPR for the maximum output power is specified in below.

| Modulation | Channel Bandwidth / RB Configurations | | | | | | LTE MPR Setting (dB) |
|------------|---------------------------------------|----------|----------|-----------|-----------|-----------|----------------------|
| | BW 1.4 MHz | BW 3 MHz | BW 5 MHz | BW 10 MHz | BW 15 MHz | BW 20 MHz | |
| QPSK | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 1 |
| 16QAM | <= 5 | <= 4 | <= 8 | <= 12 | <= 16 | <= 18 | 1 |
| 16QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 2 |
| 64QAM | <= 5 | <= 4 | <= 8 | <= 12 | <= 16 | <= 18 | 2 |
| 64QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | 3 |

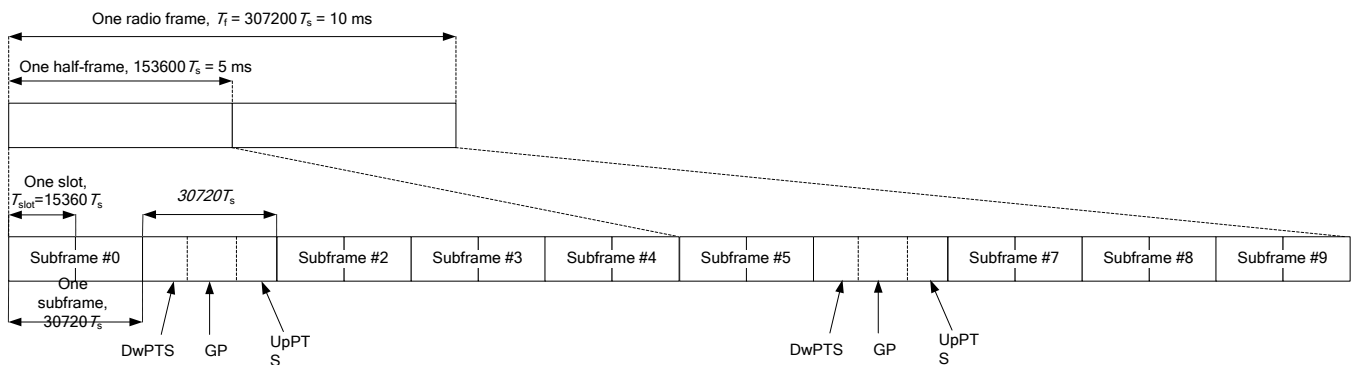
Note: MPR is according to the standard and implemented in the circuit (mandatory).

In addition, the device is compliant with additional maximum power reduction (A-MPR) requirements defined in 3GPP TS 36.101 section 6.2.4 that was disabled for all FCC compliance testing.

During LTE SAR testing, the related parameters of operating band, channel bandwidth, uplink channel number, modulation type, and RB was set in base station simulator. When the EUT has registered and communicated to base station simulator, the simulator set to make EUT transmitting the maximum radiated power.

TDD-LTE Setup Configurations

According to KDB 941225 D05, SAR testing for TDD-LTE device must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP TDD-LTE configurations. The TDD-LTE of this device supports frame structure type 2 defined in 3GPP TS 36.211 section 4.2, and the frame structure configuration can be referred to below.



3GPP TS 36.211 Figure 4.2-1: Frame Structure Type 2

| Special Subframe 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 • Ts | 2192 • Ts | 2560 • Ts | 7680 • Ts | 2192 • Ts | 2560 • Ts |
| 1 | 19760 • Ts | | | 20480 • Ts | | |
| 2 | 21952 • Ts | | | 23040 • Ts | | |
| 3 | 24144 • Ts | | | 25600 • Ts | | |
| 4 | 26336 • Ts | | | 7680 • Ts | | |
| 5 | 6592 • Ts | 4384 • Ts | 5120 • Ts | 20480 • Ts | 4384 • Ts | 5120 • Ts |
| 6 | 19760 • Ts | | | 23040 • Ts | | |
| 7 | 21952 • Ts | | | 12800 • Ts | | |
| 8 | 24144 • Ts | | | - | | |
| 9 | 13168 • Ts | - | - | - | - | - |

3GPP TS 36.211 Table 4.2-1: Configuration of Special Subframe

| Uplink-Downlink Configuration | Downlink-to-Uplink Switch-Point Periodicity | Subframe Number | | | | | | | | | |
|-------------------------------|---|-----------------|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | 5 ms | D | S | U | U | U | D | S | U | U | U |
| 1 | 5 ms | D | S | U | U | D | D | S | U | U | D |
| 2 | 5 ms | D | S | U | D | D | D | S | U | D | D |
| 3 | 10 ms | D | S | U | U | U | D | D | D | D | D |
| 4 | 10 ms | D | S | U | U | D | D | D | D | D | D |
| 5 | 10 ms | D | S | U | D | D | D | D | D | D | D |
| 6 | 5 ms | D | S | U | U | U | D | S | U | U | D |

3GPP TS 36.211 Table 4.2-2: Uplink-Downlink Configurations

The variety of different TD-LTE uplink-downlink configurations allows a network operator to allocate the network's capacity between uplink and downlink traffic to meet the needs of the network. The uplink duty cycle of these seven configurations can readily be computed and shown in below.

| UL-DL Configuration | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Highest Duty-Cycle | 63.33% | 43.33% | 23.33% | 31.67% | 21.67% | 11.67% | 53.33% |

LTE Downlink Carrier Aggregation(CA)Setup Configurations

LTE Carrier Aggregation (CA) was defined in 3GPP release 10 and higher. The LTE device in CA mode has one Primary Component Carrier (PCC) and one or more Secondary Component Carriers (SCC). PCC acts as the anchor carrier and can optionally cross-schedule data transmission on SCC. The RRC connection is only handled by one cell, the PCC for downlink and uplink communications. After making a data connection to the PCC, the LTE device adds the SCC on the downlink only. All uplink communications and acknowledgements remain identical to release 8 specifications on the PCC. The combinations of downlink carrier aggregation supported by this device are listed in below.

SAR Test Report

| | Intra Band | | Inter Band | | | | | | | |
|---------------------------|------------|--------------------|----------------|----------------|------------------|----------------|--------------------|------------------|-------------------|------------------|
| | Contiguous | 2CC Non-Contiguous | 2 Bands / 2CC | 2 Bands / 3CC | 2 Bands / 4CC | 3 Bands / 3CC | 3 Bands / 4CC | 3 Bands / 5CC | 4 Bands / 4CC | 4 Bands / 5CC |
| LTE Downlink CA-Configure | CA_5B | CA_2A-2A | CA_2A-5A | CA_2A-2A-5A | | CA_2A-5A-30A | CA_2A-2A-5A-30A | | | |
| | | | | CA_2A-2A-5B | | CA_2A-5A-66A | CA_2A-2A-5A-66A | | | |
| | | | CA_2A-30A | CA_2A-2A-30A | | | CA_2A-2A-30A-66A | | | |
| | | | CA_2A-66A | CA_2A-2A-66A | CA_2A-2A-66A-66A | | CA_2A-5A-66A-66A | CA_2A-5B-66A-66A | | |
| | | | | CA_2A-66B | CA_2A-2A-66B | | CA_2A-5A-66B | CA_2A-2A-5A-66B | | |
| | | | | CA_2A-66C | CA_2A-2A-66C | | CA_2A-5A-66C | CA_2A-2A-5A-66C | | |
| | | | | CA_2A-5B | | | CA_2A-5B-30A | | | |
| | | | | CA_2A-66A-66A | | | CA_2A-5B-66A | CA_2A-5B-66C | CA_2A-5A-30A-66A | CA_2A-5B-30A-66A |
| | CA_66B | CA_66A-66A | | CA_30A-66A-66A | | CA_2A-30A-66A | CA_2A-30A-66A-66A | | | |
| | CA_66C | CA_66A-66B | | CA_5A-66A-66A | CA_5B-66A-66A | | CA_5A-30A-66A-66A | | | |
| | CA_66D | CA_66A-66C | | CA_5A-66B | CA_5B-66C | CA_5A-30A-66A | | | CA_5B-30A-66A-66A | |
| | | | CA_5A-30A | CA_5A-66C | | | | | | |
| | | | CA_5A-66A | CA_5B-30A | | | | | | |
| | | | CA_30A-66A | CA_5B-66A | | | | | | |
| | | | CA_2A-12A | CA_12A-66A-66A | | CA_2A-12A-30A | CA_2A-2A-12A-30A | | | |
| | | | CA_12A-30A | | | CA_2A-12A-66A | CA_2A-2A-12A-66A | | CA_2A-12A-30A-66A | |
| | | | CA_12A-66A | | | CA_12A-30A-66A | CA_2A-12A-66A-66A | | | |
| | | | | | | | CA_12A-30A-66A-66A | | | |
| | | | CA_2A-13A | CA_2A-2A-13A | CA_2A-46D | | | | CA_2A-13A-46D | |
| | | | CA_13A-46A | | | | | | | |
| | | | CA_46A-66A | | | | | | CA_2A-46D-66A | |
| | | | CA_13A-66A | CA_13A-66A-66A | | | | | | |
| | | | | CA_13A-66B | | | | | CA_13A-46D-66A | |
| | | | | CA_13A-66C | | | | | | |
| | | | | | | CA_2A-13A-66A | CA_2A-2A-13A-66A | | | |
| | | | | | | | CA_2A-13A-66A-66A | | | |
| | | | | | | | CA_2A-13A-66B | | | |
| | | | | | | | CA_2A-13A-66C | | | |
| | | CA_4A-4A | CA_2A-4A | CA_2A-2A-4A | | | | | | |
| | | | | CA_2A-4A-4A | | CA_2A-4A-5A | | | | |
| | | | | CA_4A-4A-5A | | | | | | |
| | | | | | | CA_2A-4A-13A | | | | |
| | | CA_2A-14A | | | CA_2A-14A-30A | | | | | |
| | | CA_14A-30A | | | | | | | | |
| | | CA_14A-66A | CA_14A-66A-66A | | | | | | | |
| | | CA_2A-29A | | | | | | | | |
| | | CA_2A-46A | | | | | | | | |
| | | CA_4A-5A | | | | | | | | |
| | | CA_4A-13A | | | | | | | | |
| | | CA_4A-46A | | | | | | | | |
| | CA_25A-25A | CA_25A-26A | | | | | | | | |
| | | CA_29A-30A | | | | | | | | |
| | | CA_29A-66A | | | | | | | | |
| | CA_41C | | | | | | | | | |

This device does not support full CA (Carrier Aggregation) features on 3GPP release 12. Its capability for LTE CA is for LTE band 41 only and supported configuration is shown in above. For network enhancement features, it does not support Wi-Fi Offloading, Enhanced SC-FDMA, Uplink MIMO, CoMP, HetNet, Relay, SON, Cross-Carrier Scheduling, eICIC, Enhanced Downlink MIMO, MBMS, M2M/D2D. All other uplink communications are identical to the LTE Release 8 specifications.

4.2 EUT Testing Position

4.2.1 Body Exposure Conditions

For laptop PC, according to KDB 616217 D04, SAR evaluation is required for the bottom surface of the keyboard. This EUT was tested in the base of EUT directly against the flat phantom. The required minimum test separation distance for incorporating transmitters and antennas into laptop computer display is determined with the display screen opened at an angle of 90° to the keyboard compartment.

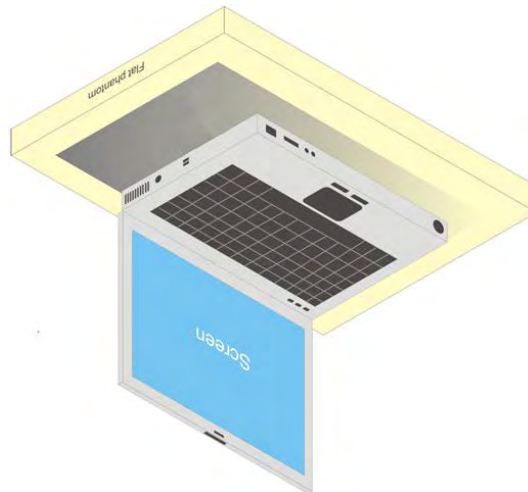


Fig-4.1 Illustration for Laptop Setup

For full-size tablet, according to KDB 616217 D04, SAR evaluation is required for back surface and edges of the devices. The back surface and edges of the tablet are tested with the tablet touching the phantom. Exposures from antennas through the front surface of the display section of a tablet are generally limited to the user’s hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary. When voice mode is supported on a tablet and it is limited to speaker mode or headset operations only, additional SAR testing for this type of voice use is not required.

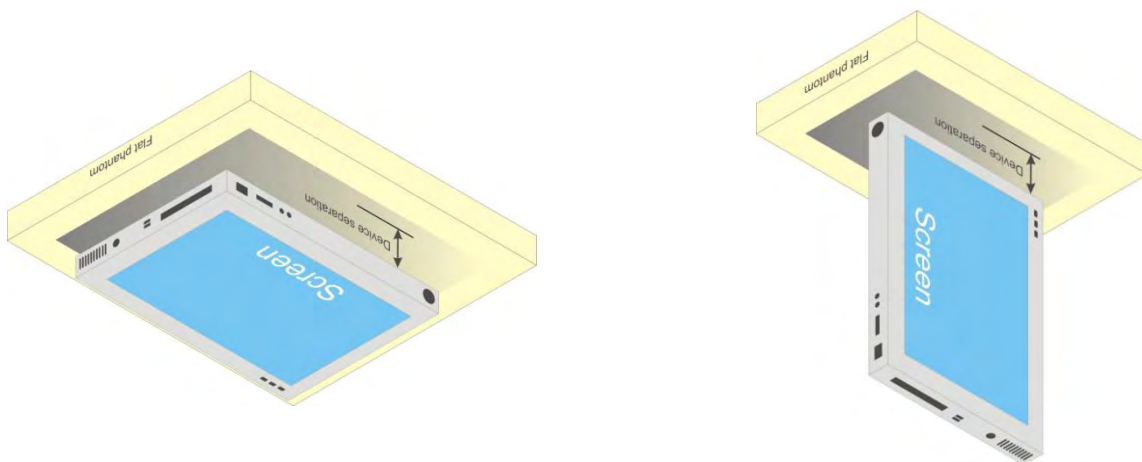


Fig-4.2 Illustration for Tablet Setup

4.3 Tissue Verification

The measuring results for tissue simulating liquid are shown as below.

| Frequency (MHz) | Liquid Temp. (°C) | Measured Conductivity (σ) | Measured Permittivity (ϵ_r) | Target Conductivity (σ) | Target Permittivity (ϵ_r) | Conductivity Deviation (%) | Permittivity Deviation (%) | Test Date |
|-----------------|-------------------|------------------------------------|--|----------------------------------|--------------------------------------|----------------------------|----------------------------|---------------|
| 750 | 23.2 | 0.886 | 43.438 | 0.89 | 41.9 | -0.45 | 3.67 | Feb. 15, 2020 |
| 750 | 23.1 | 0.886 | 43.436 | 0.89 | 41.9 | -0.45 | 3.67 | Feb. 20, 2020 |
| 750 | 23.1 | 0.901 | 42.724 | 0.89 | 41.9 | 1.24 | 1.97 | Feb. 21, 2020 |
| 835 | 23.1 | 0.907 | 42.417 | 0.9 | 41.5 | 0.78 | 2.21 | Feb. 14, 2020 |
| 835 | 23.2 | 0.94 | 42.379 | 0.9 | 41.5 | 4.44 | 2.12 | Feb. 15, 2020 |
| 835 | 23.2 | 0.901 | 42.636 | 0.9 | 41.5 | 0.11 | 2.74 | Feb. 17, 2020 |
| 835 | 23.1 | 0.889 | 42.634 | 0.9 | 41.5 | -1.22 | 2.73 | Feb. 20, 2020 |
| 1750 | 23.2 | 1.321 | 40.431 | 1.37 | 40.1 | -3.58 | 0.83 | Feb. 14, 2020 |
| 1750 | 23.2 | 1.325 | 38.941 | 1.37 | 40.1 | -3.28 | -2.89 | Feb. 16, 2020 |
| 1750 | 23.4 | 1.322 | 39.378 | 1.37 | 40.1 | -3.50 | -1.80 | Feb. 17, 2020 |
| 1750 | 23.1 | 1.32 | 40.26 | 1.37 | 40.1 | -3.65 | 0.40 | Feb. 20, 2020 |
| 1750 | 23.1 | 1.328 | 41.494 | 1.37 | 40.1 | -3.07 | 3.48 | Feb. 21, 2020 |
| 1900 | 23.2 | 1.456 | 39.875 | 1.4 | 40 | 4.00 | -0.31 | Feb. 14, 2020 |
| 1900 | 23.2 | 1.459 | 38.812 | 1.4 | 40 | 4.21 | -2.97 | Feb. 17, 2020 |
| 1900 | 23.1 | 1.456 | 39.705 | 1.4 | 40 | 4.00 | -0.74 | Feb. 20, 2020 |
| 1900 | 23.1 | 1.459 | 39.97 | 1.4 | 40 | 4.21 | -0.08 | Feb. 21, 2020 |
| 1900 | 23.1 | 1.451 | 39.832 | 1.4 | 40 | 3.64 | -0.42 | Feb. 15, 2020 |
| 2300 | 23.2 | 1.719 | 38.337 | 1.67 | 39.5 | 2.93 | -2.94 | Feb. 16, 2020 |
| 2300 | 23.1 | 1.713 | 39.322 | 1.67 | 39.5 | 2.57 | -0.45 | Feb. 20, 2020 |
| 2300 | 23.1 | 1.743 | 38.882 | 1.67 | 39.5 | 4.37 | -1.56 | Feb. 21, 2020 |
| 2600 | 23.2 | 2.012 | 38.257 | 1.96 | 39 | 2.65 | -1.91 | Feb. 15, 2020 |
| 2600 | 23.1 | 2.049 | 38.481 | 1.96 | 39 | 4.54 | -1.33 | Feb. 20, 2020 |
| 2600 | 23.3 | 2.02 | 37.839 | 1.96 | 39 | 3.06 | -2.98 | Feb. 27, 2020 |

Note:

The dielectric properties of the tissue simulating liquid have been measured within 24 hours before the SAR testing and within $\pm 10\%$ of the target values. Liquid temperature during the SAR testing has kept within $\pm 2\text{ }^\circ\text{C}$.

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4.4 System Validation

The SAR measurement system was validated according to procedures in KDB 865664 D01. The validation status in tabulated summary is as below.

| Test Date | Probe S/N | Calibration Point | Measured Conductivity (σ) | Measured Permittivity (ϵ_r) | Validation for CW | | | Validation for Modulation | | |
|---------------|-----------|-------------------|------------------------------------|--|-------------------|-----------------|----------------|---------------------------|-------------|-----|
| | | | | | Sensitivity Range | Probe Linearity | Probe Isotropy | Modulation Type | Duty Factor | PAR |
| Feb. 15, 2020 | 7537 | 750 | 0.886 | 43.438 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 20, 2020 | 7537 | 750 | 0.886 | 43.436 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 21, 2020 | 7537 | 750 | 0.901 | 42.724 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 14, 2020 | 7537 | 835 | 0.907 | 42.417 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 15, 2020 | 7537 | 835 | 0.94 | 42.379 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 17, 2020 | 7537 | 835 | 0.901 | 42.636 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 20, 2020 | 7537 | 835 | 0.889 | 42.634 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 14, 2020 | 7537 | 1750 | 1.321 | 40.431 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 16, 2020 | 7537 | 1750 | 1.325 | 38.941 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 17, 2020 | 7537 | 1750 | 1.322 | 39.378 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 20, 2020 | 7537 | 1750 | 1.32 | 40.26 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 21, 2020 | 7537 | 1750 | 1.328 | 41.494 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 14, 2020 | 7537 | 1900 | 1.456 | 39.875 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 17, 2020 | 7537 | 1900 | 1.459 | 38.812 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 20, 2020 | 7537 | 1900 | 1.456 | 39.705 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 21, 2020 | 7537 | 1900 | 1.459 | 39.97 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 15, 2020 | 7537 | 1900 | 1.451 | 39.832 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 16, 2020 | 7537 | 2300 | 1.719 | 38.337 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 20, 2020 | 7537 | 2300 | 1.713 | 39.322 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 21, 2020 | 7537 | 2300 | 1.743 | 38.882 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 15, 2020 | 7537 | 2600 | 2.012 | 38.257 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 20, 2020 | 7537 | 2600 | 2.049 | 38.481 | Pass | Pass | Pass | N/A | N/A | N/A |
| Feb. 27, 2020 | 7537 | 2600 | 2.02 | 37.839 | Pass | Pass | Pass | N/A | N/A | N/A |

4.5 System Verification

The measuring result for system verification is tabulated as below.

| Test Date | Frequency (MHz) | 1W Target SAR-1g (W/kg) | Measured SAR-1g (W/kg) | Normalized to 1W SAR-1g (W/kg) | Deviation (%) | Dipole S/N | Probe S/N | DAE S/N |
|---------------|-----------------|-------------------------|------------------------|--------------------------------|---------------|------------|-----------|---------|
| Feb. 15, 2020 | 750 | 8.56 | 0.393 | 7.86 | -8.18 | 1013 | 7537 | 1585 |
| Feb. 20, 2020 | 750 | 8.56 | 0.397 | 7.94 | -7.24 | 1013 | 7537 | 1585 |
| Feb. 21, 2020 | 750 | 8.56 | 0.398 | 7.96 | -7.01 | 1013 | 7537 | 1585 |
| Feb. 14, 2020 | 835 | 9.61 | 0.435 | 8.70 | -9.47 | 4d121 | 7537 | 1585 |
| Feb. 15, 2020 | 835 | 9.61 | 0.465 | 9.30 | -3.23 | 4d121 | 7537 | 1585 |
| Feb. 17, 2020 | 835 | 9.61 | 0.433 | 8.66 | -9.89 | 4d121 | 7537 | 1585 |
| Feb. 20, 2020 | 835 | 9.61 | 0.437 | 8.74 | -9.05 | 4d121 | 7537 | 1585 |
| Feb. 14, 2020 | 1750 | 37.00 | 1.72 | 34.40 | -7.03 | 1055 | 7537 | 1585 |
| Feb. 16, 2020 | 1750 | 37.00 | 1.71 | 34.20 | -7.57 | 1055 | 7537 | 1585 |
| Feb. 17, 2020 | 1750 | 37.00 | 1.7 | 34.00 | -8.11 | 1055 | 7537 | 1585 |
| Feb. 20, 2020 | 1750 | 37.00 | 1.72 | 34.40 | -7.03 | 1055 | 7537 | 1585 |
| Feb. 21, 2020 | 1750 | 37.00 | 2 | 40.00 | 8.11 | 1055 | 7537 | 1585 |
| Feb. 14, 2020 | 1900 | 40.30 | 1.97 | 39.40 | -2.23 | 5d018 | 7537 | 1585 |
| Feb. 17, 2020 | 1900 | 40.30 | 1.94 | 38.80 | -3.72 | 5d018 | 7537 | 1585 |
| Feb. 20, 2020 | 1900 | 40.30 | 1.98 | 39.60 | -1.74 | 5d018 | 7537 | 1585 |
| Feb. 21, 2020 | 1900 | 40.30 | 2.01 | 40.20 | -0.25 | 5d018 | 7537 | 1585 |
| Feb. 15, 2020 | 1900 | 40.30 | 1.96 | 39.20 | -2.73 | 5d018 | 7537 | 1585 |
| Feb. 16, 2020 | 2300 | 47.90 | 2.42 | 48.40 | 1.04 | 1092 | 7537 | 1585 |
| Feb. 20, 2020 | 2300 | 47.90 | 2.42 | 48.40 | 1.04 | 1092 | 7537 | 1585 |
| Feb. 21, 2020 | 2300 | 47.90 | 2.32 | 46.40 | -3.13 | 1092 | 7537 | 1585 |
| Feb. 15, 2020 | 2600 | 57.30 | 2.82 | 56.40 | -1.57 | 1020 | 7537 | 1585 |
| Feb. 20, 2020 | 2600 | 57.30 | 2.79 | 55.80 | -2.62 | 1020 | 7537 | 1585 |
| Feb. 27, 2020 | 2600 | 57.30 | 2.79 | 55.80 | -2.62 | 1020 | 7537 | 1585 |

Note:

Comparing to the reference SAR value provided by SPEAG in dipole calibration certificate, the deviation of system check results is within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots please refer to Appendix A of this report.

4.6 Maximum Output Power

4.6.1 Maximum Target Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.

| Mode | WCDMA Band II (without Power Reduction) | WCDMA Band II (with Power Reduction) | Power Reduction (dB) |
|--------------------------|--|---|-------------------------|
| RMC 12.2K | 24.5 | 15.5 | 9 |
| HSDPA / HSUPA / DC-HSDPA | 24.5 | 15.5 | 9 |

| Mode | WCDMA Band IV (without Power Reduction) | WCDMA Band IV (with Power Reduction) | Power Reduction (dB) |
|--------------------------|--|---|-------------------------|
| RMC 12.2K | 24.5 | 16.5 | 8 |
| HSDPA / HSUPA / DC-HSDPA | 24.5 | 16.5 | 8 |

| Mode | WCDMA Band V (without Power Reduction) | WCDMA Band V (with Power Reduction) | Power Reduction (dB) |
|--------------------------|---|--|-------------------------|
| RMC 12.2K | 24.5 | 19 | 5.5 |
| HSDPA / HSUPA / DC-HSDPA | 24.5 | 19 | 5.5 |

| Mode | LTE 2 (without Power Reduction) | LTE 2 (with Power Reduction) | Power Reduction (dB) |
|----------------------|------------------------------------|---------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 15.5 | 9 |

| Mode | LTE 4 (without Power Reduction) | LTE 4 (with Power Reduction) | Power Reduction (dB) |
|----------------------|------------------------------------|---------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 17.0 | 7.5 |

| Mode | LTE 5 (without Power Reduction) | LTE 5 (with Power Reduction) | Power Reduction (dB) |
|----------------------|------------------------------------|---------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 20 | 4.5 |

| Mode | LTE 7 (without Power Reduction) | LTE 7 (with Power Reduction) | Power Reduction (dB) |
|----------------------|------------------------------------|---------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 15 | 9.5 |

| Mode | LTE 12 (without Power Reduction) | LTE 12 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 18.5 | 6 |

| Mode | LTE 13 (without Power Reduction) | LTE 13 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 18.5 | 6 |

| Mode | LTE 14 (without Power Reduction) | LTE 14 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 18.5 | 6 |

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| Mode | LTE 17 (without Power Reduction) | LTE 17 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 19.5 | 5 |

| Mode | LTE 25 (without Power Reduction) | LTE 25 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 15.5 | 9 |

| Mode | LTE 26 (without Power Reduction) | LTE 26 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 19 | 5.5 |

| Mode | LTE 30 (without Power Reduction) | LTE 30 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 23 | 15 | 8 |

| Mode | LTE 38 (without Power Reduction) | LTE 38 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 17 | 7.5 |

| Mode | LTE 41 (without Power Reduction) | LTE 41 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 17 | 7.5 |

| Mode | LTE 66 (without Power Reduction) | LTE 66 (with Power Reduction) | Power Reduction (dB) |
|----------------------|-------------------------------------|----------------------------------|-------------------------|
| Maximum Target Power | 24.5 | 17 | 7.5 |

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4.6.2 Measured Conducted Power Result

The measuring conducted average power (Unit: dBm) is shown as below.

| Band Channel | WCDMA Band II | | | WCDMA Band IV | | | WCDMA Band V | | |
|---|---------------|--------|--------|---------------|--------|--------|--------------|-------|-------|
| | 9262 | 9400 | 9538 | 1312 | 1413 | 1513 | 4132 | 4182 | 4233 |
| Frequency (MHz) | 1852.4 | 1880.0 | 1907.6 | 1712.4 | 1732.6 | 1752.6 | 826.4 | 836.4 | 846.6 |
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | |
| RMC 12.2K | 23.70 | 23.57 | 23.75 | 24.03 | 24.11 | 23.81 | 23.74 | 24.01 | 23.65 |
| HSDPA Subtest-1 | 22.66 | 22.60 | 22.69 | 23.09 | 23.07 | 22.79 | 22.72 | 23.02 | 22.67 |
| HSDPA Subtest-2 | 22.75 | 22.62 | 22.66 | 23.09 | 23.09 | 22.83 | 22.75 | 23.01 | 22.67 |
| HSDPA Subtest-3 | 22.24 | 22.20 | 22.17 | 22.57 | 22.54 | 22.23 | 22.26 | 22.53 | 22.17 |
| HSDPA Subtest-4 | 22.26 | 22.18 | 22.19 | 22.49 | 22.51 | 22.26 | 22.26 | 22.48 | 22.18 |
| DC-HSDPA Subtest-1 | 22.61 | 22.59 | 22.66 | 23.05 | 23.07 | 22.75 | 22.71 | 22.94 | 22.64 |
| DC-HSDPA Subtest-2 | 22.69 | 22.56 | 22.56 | 23.04 | 22.99 | 22.82 | 22.75 | 23.00 | 22.59 |
| DC-HSDPA Subtest-3 | 22.14 | 22.19 | 22.11 | 22.56 | 22.45 | 22.18 | 22.23 | 22.50 | 22.07 |
| DC-HSDPA Subtest-4 | 22.20 | 22.08 | 22.17 | 22.40 | 22.46 | 22.19 | 22.19 | 22.48 | 22.15 |
| HSUPA Subtest-1 | 22.67 | 22.62 | 22.72 | 23.03 | 23.01 | 22.72 | 22.76 | 22.97 | 22.59 |
| HSUPA Subtest-2 | 20.69 | 20.67 | 20.71 | 20.92 | 21.04 | 20.78 | 20.72 | 20.95 | 20.65 |
| HSUPA Subtest-3 | 21.73 | 21.64 | 21.65 | 21.92 | 22.01 | 21.79 | 21.78 | 22.03 | 21.53 |
| HSUPA Subtest-4 | 20.73 | 20.58 | 20.68 | 20.94 | 21.00 | 20.80 | 20.70 | 21.05 | 20.66 |
| HSUPA Subtest-5 | 22.70 | 22.70 | 22.70 | 23.00 | 23.00 | 22.80 | 22.70 | 23.00 | 22.70 |
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | |
| RMC 12.2K | 15.32 | 15.35 | 15.48 | 16.47 | 16.27 | 16.15 | 18.76 | 18.88 | 18.70 |
| HSDPA Subtest-1 | 14.45 | 14.52 | 14.66 | 15.50 | 15.29 | 15.09 | 17.78 | 17.95 | 17.66 |
| HSDPA Subtest-2 | 14.46 | 14.57 | 14.66 | 15.51 | 15.29 | 15.12 | 17.81 | 17.93 | 17.73 |
| HSDPA Subtest-3 | 13.98 | 14.01 | 14.20 | 15.01 | 14.82 | 14.62 | 17.29 | 17.46 | 17.22 |
| HSDPA Subtest-4 | 13.93 | 14.05 | 14.21 | 14.99 | 14.81 | 14.60 | 17.28 | 17.46 | 17.27 |
| DC-HSDPA Subtest-1 | 14.40 | 14.47 | 14.60 | 15.40 | 15.20 | 15.09 | 17.77 | 17.92 | 17.56 |
| DC-HSDPA Subtest-2 | 14.39 | 14.55 | 14.66 | 15.45 | 15.23 | 15.09 | 17.71 | 17.91 | 17.68 |
| DC-HSDPA Subtest-3 | 13.89 | 13.91 | 14.10 | 15.01 | 14.81 | 14.59 | 17.22 | 17.42 | 17.13 |
| DC-HSDPA Subtest-4 | 13.90 | 13.97 | 14.14 | 14.95 | 14.73 | 14.56 | 17.28 | 17.46 | 17.21 |
| HSUPA Subtest-1 | 13.58 | 13.52 | 13.60 | 14.54 | 14.53 | 14.58 | 17.75 | 17.88 | 17.69 |
| HSUPA Subtest-2 | 12.35 | 12.36 | 12.55 | 13.47 | 13.24 | 13.20 | 15.80 | 15.95 | 15.67 |
| HSUPA Subtest-3 | 14.36 | 14.29 | 14.45 | 15.48 | 15.23 | 15.18 | 16.81 | 16.94 | 16.70 |
| HSUPA Subtest-4 | 12.40 | 12.41 | 12.50 | 13.47 | 13.23 | 13.18 | 15.81 | 15.89 | 15.67 |
| HSUPA Subtest-5 | 14.40 | 14.40 | 14.60 | 15.50 | 15.30 | 15.20 | 17.80 | 17.90 | 17.70 |

| LTE Band 2 | | | | | | | | | | | | | | | | |
|--|-----------|-----------------|-----------|--------|--------|--------|---------------|------|-----------|-----------------|-----------|--------|--------|--------|---------------|--|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | |
| | | Channel | | 18700 | 18900 | 19100 | | | | Channel | | 18675 | 18900 | 19125 | | |
| | | Frequency (MHz) | | 1860.0 | 1880.0 | 1900.0 | | | | Frequency (MHz) | | 1857.5 | 1880.0 | 1902.5 | | |
| 20M | QPSK | 1 | 0 | 23.41 | 23.45 | 23.70 | 0 | 15M | QPSK | 1 | 0 | 23.32 | 23.37 | 23.66 | 0 | |
| | | 1 | 50 | 23.65 | 23.69 | 23.94 | 0 | | | 1 | 37 | 23.61 | 23.69 | 23.88 | 0 | |
| | | 1 | 99 | 23.23 | 23.27 | 23.52 | 0 | | | 1 | 74 | 23.21 | 23.17 | 23.50 | 0 | |
| | | 50 | 0 | 22.53 | 22.57 | 22.82 | 1 | | | 36 | 0 | 22.43 | 22.52 | 22.77 | 1 | |
| | | 50 | 25 | 22.49 | 22.53 | 22.78 | 1 | | | 36 | 19 | 22.41 | 22.47 | 22.75 | 1 | |
| | | 50 | 50 | 22.36 | 22.40 | 22.65 | 1 | | | 36 | 39 | 22.29 | 22.39 | 22.62 | 1 | |
| | 100 | 0 | 22.39 | 22.43 | 22.68 | 1 | 75 | | 0 | 22.35 | 22.39 | 22.59 | 1 | | | |
| | 16QAM | 1 | 0 | 22.85 | 22.89 | 23.14 | 1 | | 16QAM | 1 | 0 | 22.82 | 22.79 | 23.13 | 1 | |
| | | 1 | 50 | 22.87 | 22.91 | 23.16 | 1 | | | 1 | 37 | 22.84 | 22.83 | 23.10 | 1 | |
| | | 1 | 99 | 22.74 | 22.78 | 23.03 | 1 | | | 1 | 74 | 22.71 | 22.68 | 22.97 | 1 | |
| | | 50 | 0 | 21.74 | 21.78 | 22.03 | 2 | | | 36 | 0 | 21.71 | 21.68 | 22.03 | 2 | |
| | | 50 | 25 | 21.58 | 21.62 | 21.87 | 2 | | | 36 | 19 | 21.56 | 21.52 | 21.84 | 2 | |
| | | 50 | 50 | 21.52 | 21.56 | 21.81 | 2 | | | 36 | 39 | 21.49 | 21.50 | 21.77 | 2 | |
| | 100 | 0 | 21.57 | 21.61 | 21.86 | 2 | 75 | | 0 | 21.51 | 21.60 | 21.86 | 2 | | | |
| | 64QAM | 1 | 0 | 21.72 | 21.76 | 22.01 | 2 | | 64QAM | 1 | 0 | 21.62 | 21.71 | 21.91 | 2 | |
| | | 1 | 50 | 21.73 | 21.77 | 22.02 | 2 | | | 1 | 37 | 21.67 | 21.73 | 22.02 | 2 | |
| | | 1 | 99 | 21.60 | 21.64 | 21.89 | 2 | | | 1 | 74 | 21.58 | 21.58 | 21.86 | 2 | |
| | | 50 | 0 | 20.67 | 20.71 | 20.96 | 3 | | | 36 | 0 | 20.58 | 20.70 | 20.87 | 3 | |
| | | 50 | 25 | 20.60 | 20.64 | 20.89 | 3 | | | 36 | 19 | 20.55 | 20.54 | 20.88 | 3 | |
| | | 50 | 50 | 20.57 | 20.61 | 20.86 | 3 | | | 36 | 39 | 20.56 | 20.58 | 20.83 | 3 | |
| | 100 | 0 | 20.60 | 20.64 | 20.89 | 3 | 75 | | 0 | 20.54 | 20.60 | 20.81 | 3 | | | |
| 10M | QPSK | 1 | 0 | 23.29 | 23.33 | 23.56 | 0 | 5M | QPSK | 1 | 0 | 23.31 | 23.35 | 23.46 | 0 | |
| | | 1 | 24 | 23.54 | 23.52 | 23.81 | 0 | | | 1 | 12 | 23.61 | 23.58 | 23.76 | 0 | |
| | | 1 | 49 | 23.05 | 23.25 | 23.29 | 0 | | | 1 | 24 | 23.13 | 23.14 | 23.41 | 0 | |
| | | 25 | 0 | 22.43 | 22.39 | 22.64 | 1 | | | 12 | 0 | 22.32 | 22.42 | 22.68 | 1 | |
| | | 25 | 12 | 22.32 | 22.31 | 22.60 | 1 | | | 12 | 6 | 22.41 | 22.37 | 22.64 | 1 | |
| | | 25 | 25 | 22.14 | 22.30 | 22.50 | 1 | | | 12 | 13 | 22.12 | 22.24 | 22.50 | 1 | |
| | 50 | 0 | 22.28 | 22.35 | 22.66 | 1 | 25 | | 0 | 22.22 | 22.25 | 22.48 | 1 | | | |
| | 16QAM | 1 | 0 | 22.79 | 22.77 | 23.02 | 1 | | 16QAM | 1 | 0 | 22.80 | 22.85 | 23.04 | 1 | |
| | | 1 | 24 | 22.72 | 22.76 | 23.08 | 1 | | | 1 | 12 | 22.69 | 22.91 | 23.03 | 1 | |
| | | 1 | 49 | 22.68 | 22.57 | 22.94 | 1 | | | 1 | 24 | 22.66 | 22.58 | 22.95 | 1 | |
| | | 25 | 0 | 21.50 | 21.62 | 21.95 | 2 | | | 12 | 0 | 21.62 | 21.65 | 21.90 | 2 | |
| | | 25 | 12 | 21.43 | 21.50 | 21.69 | 2 | | | 12 | 6 | 21.54 | 21.56 | 21.82 | 2 | |
| | | 25 | 25 | 21.40 | 21.46 | 21.72 | 2 | | | 12 | 13 | 21.40 | 21.41 | 21.72 | 2 | |
| | 50 | 0 | 21.55 | 21.36 | 21.76 | 2 | 25 | | 0 | 21.49 | 21.55 | 21.71 | 2 | | | |
| | 64QAM | 1 | 0 | 21.70 | 21.57 | 21.90 | 2 | | 64QAM | 1 | 0 | 21.56 | 21.64 | 21.94 | 2 | |
| | | 1 | 24 | 21.61 | 21.59 | 21.90 | 2 | | | 1 | 12 | 21.54 | 21.60 | 22.02 | 2 | |
| | | 1 | 49 | 21.43 | 21.56 | 21.82 | 2 | | | 1 | 24 | 21.49 | 21.56 | 21.81 | 2 | |
| | | 25 | 0 | 20.55 | 20.60 | 20.87 | 3 | | | 12 | 0 | 20.56 | 20.61 | 20.83 | 3 | |
| | | 25 | 12 | 20.51 | 20.62 | 20.76 | 3 | | | 12 | 6 | 20.43 | 20.53 | 20.82 | 3 | |
| | | 25 | 25 | 20.49 | 20.51 | 20.74 | 3 | | | 12 | 13 | 20.48 | 20.42 | 20.73 | 3 | |
| | 50 | 0 | 20.43 | 20.46 | 20.70 | 3 | 25 | | 0 | 20.41 | 20.46 | 20.80 | 3 | | | |
| 3M | QPSK | 1 | 0 | 23.36 | 23.36 | 23.62 | 0 | 1.4M | QPSK | 1 | 0 | 23.30 | 23.33 | 23.53 | 0 | |
| | | 1 | 7 | 23.49 | 23.57 | 23.84 | 0 | | | 1 | 2 | 23.57 | 23.63 | 23.88 | 0 | |
| | | 1 | 14 | 23.19 | 23.20 | 23.47 | 0 | | | 1 | 5 | 23.09 | 23.10 | 23.46 | 0 | |
| | | 8 | 0 | 22.46 | 22.47 | 22.67 | 1 | | | 3 | 0 | 23.50 | 23.46 | 23.73 | 0 | |
| | | 8 | 3 | 22.33 | 22.34 | 22.56 | 1 | | | 3 | 1 | 23.39 | 23.48 | 23.68 | 0 | |
| | | 8 | 7 | 22.32 | 22.26 | 22.62 | 1 | | | 3 | 3 | 23.15 | 23.24 | 23.51 | 0 | |
| | 15 | 0 | 22.22 | 22.28 | 22.59 | 1 | 6 | | 0 | 22.32 | 22.23 | 22.53 | 1 | | | |
| | 16QAM | 1 | 0 | 22.65 | 22.70 | 22.94 | 1 | | 16QAM | 1 | 0 | 22.71 | 22.71 | 23.02 | 1 | |
| | | 1 | 7 | 22.82 | 22.79 | 23.08 | 1 | | | 1 | 2 | 22.74 | 22.74 | 23.12 | 1 | |
| | | 1 | 14 | 22.64 | 22.66 | 22.84 | 1 | | | 1 | 5 | 22.72 | 22.62 | 22.83 | 1 | |
| | | 8 | 0 | 21.65 | 21.63 | 21.92 | 2 | | | 3 | 0 | 22.65 | 22.61 | 23.00 | 1 | |
| | | 8 | 3 | 21.36 | 21.43 | 21.82 | 2 | | | 3 | 1 | 22.49 | 22.49 | 22.66 | 1 | |
| | | 8 | 7 | 21.46 | 21.38 | 21.69 | 2 | | | 3 | 3 | 22.39 | 22.48 | 22.72 | 1 | |
| | 15 | 0 | 21.55 | 21.49 | 21.73 | 2 | 6 | | 0 | 21.37 | 21.58 | 21.70 | 2 | | | |
| | 64QAM | 1 | 0 | 21.70 | 21.57 | 21.92 | 2 | | 64QAM | 1 | 0 | 21.62 | 21.61 | 21.94 | 2 | |
| | | 1 | 7 | 21.62 | 21.68 | 21.94 | 2 | | | 1 | 2 | 21.68 | 21.74 | 21.78 | 2 | |
| | | 1 | 14 | 21.38 | 21.49 | 21.70 | 2 | | | 1 | 5 | 21.49 | 21.51 | 21.84 | 2 | |
| | | 8 | 0 | 20.46 | 20.66 | 20.79 | 3 | | | 3 | 0 | 21.57 | 21.52 | 21.84 | 2 | |
| | | 8 | 3 | 20.49 | 20.57 | 20.67 | 3 | | | 3 | 1 | 21.47 | 21.57 | 21.86 | 2 | |
| | | 8 | 7 | 20.34 | 20.40 | 20.70 | 3 | | | 3 | 3 | 21.38 | 21.51 | 21.73 | 2 | |
| | 15 | 0 | 20.35 | 20.56 | 20.76 | 3 | 6 | | 0 | 20.40 | 20.54 | 20.81 | 3 | | | |

SAR Test Report

| LTE Band 2 | | | | | | | | | | | | | | | | | |
|---|-----------|-----------------|-----------|--------|--------|--------|---------------|-------|-----------|-----------------|-----------|--------|--------|--------|---------------|-------|---|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | Channel | | 18700 | 18900 | 19100 | | | | Channel | | 18675 | 18900 | 19125 | | | |
| | | Frequency (MHz) | | 1860.0 | 1880.0 | 1900.0 | | | | Frequency (MHz) | | 1857.5 | 1880.0 | 1902.5 | | | |
| 20M | QPSK | 1 | 0 | 15.25 | 15.30 | 15.50 | 0 | 15M | QPSK | 1 | 0 | 15.21 | 15.25 | 15.40 | 0 | | |
| | | 1 | 50 | 15.23 | 15.33 | 15.48 | 0 | | | 1 | 37 | 15.20 | 15.25 | 15.47 | 0 | | |
| | | 1 | 99 | 15.20 | 15.31 | 15.44 | 0 | | | 1 | 74 | 15.15 | 15.22 | 15.41 | 0 | | |
| | | 50 | 0 | 15.22 | 15.32 | 15.47 | 0 | | | 36 | 0 | 15.17 | 15.25 | 15.39 | 0 | | |
| | | 50 | 25 | 15.21 | 15.29 | 15.46 | 0 | | | 36 | 19 | 15.11 | 15.27 | 15.45 | 0 | | |
| | | 50 | 50 | 15.18 | 15.26 | 15.41 | 0 | | | 36 | 39 | 15.16 | 15.18 | 15.37 | 0 | | |
| | | 100 | 0 | 15.22 | 15.30 | 15.45 | 0 | | | 75 | 0 | 15.14 | 15.26 | 15.37 | 0 | | |
| | 16QAM | 1 | 0 | 15.26 | 15.37 | 15.49 | 0 | | 16QAM | 1 | 0 | 15.26 | 15.35 | 15.44 | 0 | | |
| | | 1 | 50 | 15.22 | 15.35 | 15.46 | 0 | | | 1 | 37 | 15.17 | 15.35 | 15.41 | 0 | | |
| | | 1 | 99 | 15.18 | 15.29 | 15.43 | 0 | | | 1 | 74 | 15.14 | 15.26 | 15.37 | 0 | | |
| | | 50 | 0 | 15.20 | 15.30 | 15.45 | 0 | | | 36 | 0 | 15.14 | 15.24 | 15.42 | 0 | | |
| | | 50 | 25 | 15.20 | 15.28 | 15.43 | 0 | | | 36 | 19 | 15.18 | 15.19 | 15.36 | 0 | | |
| | | 50 | 50 | 15.16 | 15.24 | 15.40 | 0 | | | 36 | 39 | 15.08 | 15.17 | 15.34 | 0 | | |
| | | 100 | 0 | 15.20 | 15.30 | 15.45 | 0 | | | 75 | 0 | 15.11 | 15.20 | 15.42 | 0 | | |
| | 64QAM | 1 | 0 | 15.22 | 15.36 | 15.47 | 0 | | 64QAM | 1 | 0 | 15.17 | 15.28 | 15.47 | 0 | | |
| | | 1 | 50 | 15.20 | 15.27 | 15.44 | 0 | | | 1 | 37 | 15.20 | 15.23 | 15.37 | 0 | | |
| | | 1 | 99 | 15.19 | 15.29 | 15.44 | 0 | | | 1 | 74 | 15.16 | 15.20 | 15.44 | 0 | | |
| | | 50 | 0 | 15.19 | 15.30 | 15.44 | 0 | | | 36 | 0 | 15.15 | 15.30 | 15.41 | 0 | | |
| | | 50 | 25 | 15.16 | 15.26 | 15.41 | 0 | | | 36 | 19 | 15.08 | 15.26 | 15.36 | 0 | | |
| | | 50 | 50 | 15.15 | 15.25 | 15.40 | 0 | | | 36 | 39 | 15.05 | 15.17 | 15.35 | 0 | | |
| | | 100 | 0 | 15.19 | 15.31 | 15.43 | 0 | | | 75 | 0 | 15.11 | 15.28 | 15.38 | 0 | | |
| | 10M | QPSK | 1 | 0 | 15.14 | 15.10 | 15.46 | | 0 | 5M | QPSK | 1 | 0 | 15.16 | 15.13 | 15.43 | 0 |
| | | | 1 | 24 | 15.09 | 15.30 | 15.41 | | 0 | | | 1 | 12 | 15.12 | 15.26 | 15.29 | 0 |
| | | | 1 | 49 | 15.03 | 15.19 | 15.34 | | 0 | | | 1 | 24 | 15.16 | 15.14 | 15.17 | 0 |
| 25 | | | 0 | 15.08 | 15.27 | 15.38 | 0 | 12 | 0 | | | 14.97 | 15.21 | 15.31 | 0 | | |
| 25 | | | 12 | 15.09 | 15.20 | 15.36 | 0 | 12 | 6 | | | 15.10 | 15.15 | 15.40 | 0 | | |
| 25 | | | 25 | 15.11 | 15.04 | 15.26 | 0 | 12 | 13 | | | 15.09 | 15.18 | 15.07 | 0 | | |
| 50 | | | 0 | 15.16 | 15.17 | 15.40 | 0 | 25 | 0 | | | 15.08 | 15.20 | 15.17 | 0 | | |
| 16QAM | | 1 | 0 | 15.15 | 15.29 | 15.31 | 0 | 16QAM | 1 | | 0 | 15.11 | 15.19 | 15.40 | 0 | | |
| | | 1 | 24 | 15.11 | 15.28 | 15.34 | 0 | | 1 | | 12 | 15.18 | 15.19 | 15.22 | 0 | | |
| | | 1 | 49 | 15.02 | 15.21 | 15.31 | 0 | | 1 | | 24 | 14.99 | 15.15 | 15.26 | 0 | | |
| | | 25 | 0 | 15.17 | 15.19 | 15.41 | 0 | | 12 | | 0 | 15.08 | 15.06 | 15.33 | 0 | | |
| | | 25 | 12 | 15.17 | 15.21 | 15.38 | 0 | | 12 | | 6 | 15.11 | 15.15 | 15.36 | 0 | | |
| | | 25 | 25 | 15.00 | 15.13 | 15.31 | 0 | | 12 | | 13 | 15.01 | 15.17 | 15.31 | 0 | | |
| | | 50 | 0 | 15.07 | 15.23 | 15.33 | 0 | | 25 | | 0 | 15.14 | 15.15 | 15.40 | 0 | | |
| 64QAM | | 1 | 0 | 15.00 | 15.15 | 15.27 | 0 | 64QAM | 1 | | 0 | 15.13 | 15.21 | 15.34 | 0 | | |
| | | 1 | 24 | 15.11 | 15.11 | 15.37 | 0 | | 1 | | 12 | 15.00 | 15.07 | 15.39 | 0 | | |
| | | 1 | 49 | 15.03 | 15.18 | 15.29 | 0 | | 1 | | 24 | 15.03 | 15.17 | 15.30 | 0 | | |
| | | 25 | 0 | 15.10 | 15.20 | 15.38 | 0 | | 12 | | 0 | 15.09 | 15.15 | 15.35 | 0 | | |
| | | 25 | 12 | 14.96 | 15.12 | 15.21 | 0 | | 12 | | 6 | 14.93 | 15.10 | 15.28 | 0 | | |
| | | 25 | 25 | 14.96 | 15.09 | 15.35 | 0 | | 12 | | 13 | 15.09 | 15.16 | 15.20 | 0 | | |
| | | 50 | 0 | 15.03 | 15.24 | 15.43 | 0 | | 25 | | 0 | 15.02 | 15.17 | 15.39 | 0 | | |
| 3M | | QPSK | 1 | 0 | 15.13 | 15.16 | 15.34 | 0 | 1.4M | | QPSK | 1 | 0 | 15.19 | 15.19 | 15.34 | 0 |
| | | | 1 | 7 | 15.11 | 15.20 | 15.32 | 0 | | | | 1 | 2 | 15.08 | 15.20 | 15.43 | 0 |
| | | | 1 | 14 | 15.03 | 15.10 | 15.41 | 0 | | | | 1 | 5 | 15.11 | 15.23 | 15.36 | 0 |
| | 8 | | 0 | 15.14 | 15.20 | 15.28 | 0 | 3 | | 0 | | 14.99 | 15.16 | 15.30 | 0 | | |
| | 8 | | 3 | 15.04 | 15.22 | 15.31 | 0 | 3 | | 1 | | 15.12 | 15.24 | 15.33 | 0 | | |
| | 8 | | 7 | 15.12 | 15.14 | 15.25 | 0 | 3 | | 3 | | 15.03 | 15.16 | 15.17 | 0 | | |
| | 15 | | 0 | 15.08 | 15.12 | 15.33 | 0 | 6 | | 0 | | 15.05 | 15.12 | 15.35 | 0 | | |
| | 16QAM | 1 | 0 | 15.22 | 15.19 | 15.34 | 0 | 16QAM | | 1 | 0 | 15.20 | 15.18 | 15.36 | 0 | | |
| | | 1 | 7 | 15.08 | 15.15 | 15.32 | 0 | | | 1 | 2 | 15.04 | 15.15 | 15.42 | 0 | | |
| | | 1 | 14 | 14.96 | 15.16 | 15.30 | 0 | | | 1 | 5 | 15.04 | 15.17 | 15.35 | 0 | | |
| | | 8 | 0 | 15.05 | 15.11 | 15.25 | 0 | | | 3 | 0 | 15.10 | 15.25 | 15.40 | 0 | | |
| | | 8 | 3 | 14.95 | 15.17 | 15.38 | 0 | | | 3 | 1 | 15.13 | 15.13 | 15.36 | 0 | | |
| | | 8 | 7 | 15.02 | 15.03 | 15.27 | 0 | | | 3 | 3 | 15.03 | 15.12 | 15.33 | 0 | | |
| | | 15 | 0 | 15.11 | 15.10 | 15.28 | 0 | | | 6 | 0 | 15.14 | 15.25 | 15.35 | 0 | | |
| | 64QAM | 1 | 0 | 15.16 | 15.15 | 15.24 | 0 | 64QAM | | 1 | 0 | 15.06 | 15.14 | 15.38 | 0 | | |
| | | 1 | 7 | 15.06 | 15.15 | 15.36 | 0 | | | 1 | 2 | 15.16 | 15.16 | 15.40 | 0 | | |
| | | 1 | 14 | 15.03 | 15.25 | 15.35 | 0 | | | 1 | 5 | 15.11 | 15.08 | 15.34 | 0 | | |
| | | 8 | 0 | 15.08 | 15.19 | 15.29 | 0 | | | 3 | 0 | 14.95 | 15.16 | 15.30 | 0 | | |
| | | 8 | 3 | 15.05 | 15.17 | 15.20 | 0 | | | 3 | 1 | 15.09 | 15.17 | 15.18 | 0 | | |
| | | 8 | 7 | 15.13 | 15.07 | 15.28 | 0 | | | 3 | 3 | 14.93 | 15.14 | 15.25 | 0 | | |
| | | 15 | 0 | 15.09 | 15.20 | 15.27 | 0 | | | 6 | 0 | 15.02 | 15.12 | 15.34 | 0 | | |

SAR Test Report

| LTE Band 4 | | | | | | | | | | | | | | | | | |
|--|-----------|---------|-----------|-----------------|--------|--------|---------------|-------|-----------|---------|-----------|--------|-----------------|--------|---------------|--------|--------|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 20050 | 20175 | | | | | | 20300 | Channel | 20025 | | 20175 | 20325 |
| | | | | Frequency (MHz) | 1720.0 | 1732.5 | | | | | | 1745.0 | Frequency (MHz) | 1717.5 | | 1732.5 | 1747.5 |
| 20M | QPSK | 1 | 0 | 23.82 | 23.71 | 23.67 | 0 | 15M | QPSK | 1 | 0 | 23.79 | 23.62 | 23.66 | 0 | | |
| | | 1 | 50 | 23.59 | 23.48 | 23.44 | 0 | | | 1 | 37 | 23.49 | 23.48 | 23.35 | 0 | | |
| | | 1 | 99 | 23.55 | 23.44 | 23.40 | 0 | | | 1 | 74 | 23.46 | 23.41 | 23.34 | 0 | | |
| | | 50 | 0 | 22.79 | 22.68 | 22.64 | 1 | | | 36 | 0 | 22.79 | 22.63 | 22.64 | 1 | | |
| | | 50 | 25 | 22.68 | 22.57 | 22.53 | 1 | | | 36 | 19 | 22.67 | 22.51 | 22.47 | 1 | | |
| | | 50 | 50 | 22.61 | 22.50 | 22.46 | 1 | | | 36 | 39 | 22.57 | 22.46 | 22.41 | 1 | | |
| | 100 | 0 | 22.70 | 22.59 | 22.55 | 1 | 75 | | 0 | 22.70 | 22.51 | 22.48 | 1 | | | | |
| | 16QAM | 1 | 0 | 23.27 | 23.16 | 23.12 | 1 | | 16QAM | 1 | 0 | 23.20 | 23.16 | 23.06 | 1 | | |
| | | 1 | 50 | 23.06 | 22.95 | 22.91 | 1 | | | 1 | 37 | 23.03 | 22.89 | 22.81 | 1 | | |
| | | 1 | 99 | 23.03 | 22.92 | 22.88 | 1 | | | 1 | 74 | 22.97 | 22.91 | 22.80 | 1 | | |
| | | 50 | 0 | 21.96 | 21.85 | 21.81 | 2 | | | 36 | 0 | 21.90 | 21.78 | 21.71 | 2 | | |
| | | 50 | 25 | 21.89 | 21.78 | 21.74 | 2 | | | 36 | 19 | 21.88 | 21.71 | 21.71 | 2 | | |
| | | 50 | 50 | 21.86 | 21.75 | 21.71 | 2 | | | 36 | 39 | 21.76 | 21.75 | 21.64 | 2 | | |
| | 100 | 0 | 21.83 | 21.72 | 21.68 | 2 | 75 | | 0 | 21.82 | 21.66 | 21.63 | 2 | | | | |
| | 64QAM | 1 | 0 | 22.13 | 22.02 | 21.98 | 2 | | 64QAM | 1 | 0 | 22.11 | 21.92 | 21.92 | 2 | | |
| | | 1 | 50 | 21.96 | 21.85 | 21.81 | 2 | | | 1 | 37 | 21.95 | 21.79 | 21.71 | 2 | | |
| | | 1 | 99 | 22.00 | 21.89 | 21.85 | 2 | | | 1 | 74 | 21.96 | 21.79 | 21.76 | 2 | | |
| | | 50 | 0 | 21.00 | 20.89 | 20.85 | 3 | | | 36 | 0 | 20.96 | 20.87 | 20.79 | 3 | | |
| 50 | | 25 | 20.90 | 20.79 | 20.75 | 3 | 36 | 19 | | 20.85 | 20.74 | 20.72 | 3 | | | | |
| 50 | | 50 | 20.88 | 20.77 | 20.73 | 3 | 36 | 39 | | 20.84 | 20.69 | 20.68 | 3 | | | | |
| 100 | 0 | 20.92 | 20.81 | 20.77 | 3 | 75 | 0 | 20.91 | 20.77 | 20.76 | 3 | | | | | | |
| 10M | QPSK | 1 | 0 | 23.66 | 23.54 | 23.56 | 0 | 5M | QPSK | 1 | 0 | 23.69 | 23.62 | 23.46 | 0 | | |
| | | 1 | 24 | 23.47 | 23.41 | 23.39 | 0 | | | 1 | 12 | 23.41 | 23.31 | 23.33 | 0 | | |
| | | 1 | 49 | 23.41 | 23.22 | 23.39 | 0 | | | 1 | 24 | 23.46 | 23.31 | 23.18 | 0 | | |
| | | 25 | 0 | 22.67 | 22.59 | 22.46 | 1 | | | 12 | 0 | 22.71 | 22.51 | 22.35 | 1 | | |
| | | 25 | 12 | 22.59 | 22.43 | 22.44 | 1 | | | 12 | 6 | 22.60 | 22.51 | 22.41 | 1 | | |
| | | 25 | 25 | 22.47 | 22.36 | 22.22 | 1 | | | 12 | 13 | 22.57 | 22.42 | 22.25 | 1 | | |
| | 50 | 0 | 22.58 | 22.38 | 22.48 | 1 | 25 | | 0 | 22.46 | 22.53 | 22.33 | 1 | | | | |
| | 16QAM | 1 | 0 | 23.19 | 23.02 | 22.98 | 1 | | 16QAM | 1 | 0 | 23.06 | 23.04 | 22.94 | 1 | | |
| | | 1 | 24 | 22.96 | 22.86 | 22.79 | 1 | | | 1 | 12 | 22.93 | 22.78 | 22.80 | 1 | | |
| | | 1 | 49 | 22.89 | 22.78 | 22.72 | 1 | | | 1 | 24 | 22.94 | 22.80 | 22.66 | 1 | | |
| | | 25 | 0 | 21.84 | 21.60 | 21.66 | 2 | | | 12 | 0 | 21.78 | 21.64 | 21.62 | 2 | | |
| | | 25 | 12 | 21.74 | 21.65 | 21.72 | 2 | | | 12 | 6 | 21.76 | 21.68 | 21.67 | 2 | | |
| | | 25 | 25 | 21.77 | 21.57 | 21.50 | 2 | | | 12 | 13 | 21.72 | 21.58 | 21.56 | 2 | | |
| | 50 | 0 | 21.68 | 21.56 | 21.49 | 2 | 25 | | 0 | 21.74 | 21.64 | 21.48 | 2 | | | | |
| | 64QAM | 1 | 0 | 22.01 | 21.93 | 21.87 | 2 | | 64QAM | 1 | 0 | 21.98 | 22.01 | 21.96 | 2 | | |
| | | 1 | 24 | 21.76 | 21.77 | 21.71 | 2 | | | 1 | 12 | 21.89 | 21.75 | 21.65 | 2 | | |
| | | 1 | 49 | 21.81 | 21.67 | 21.76 | 2 | | | 1 | 24 | 21.89 | 21.80 | 21.78 | 2 | | |
| | | 25 | 0 | 20.83 | 20.80 | 20.61 | 3 | | | 12 | 0 | 20.83 | 20.80 | 20.62 | 3 | | |
| 25 | | 12 | 20.80 | 20.68 | 20.66 | 3 | 12 | 6 | | 20.79 | 20.64 | 20.63 | 3 | | | | |
| 25 | | 25 | 20.69 | 20.71 | 20.68 | 3 | 12 | 13 | | 20.75 | 20.67 | 20.67 | 3 | | | | |
| 50 | 0 | 20.85 | 20.69 | 20.74 | 3 | 25 | 0 | 20.71 | 20.63 | 20.67 | 3 | | | | | | |
| 3M | QPSK | 1 | 0 | 23.70 | 23.58 | 23.56 | 0 | 1.4M | QPSK | 1 | 0 | 23.67 | 23.69 | 23.45 | 0 | | |
| | | 1 | 7 | 23.45 | 23.30 | 23.36 | 0 | | | 1 | 2 | 23.50 | 23.42 | 23.26 | 0 | | |
| | | 1 | 14 | 23.37 | 23.34 | 23.28 | 0 | | | 1 | 5 | 23.42 | 23.29 | 23.18 | 0 | | |
| | | 8 | 0 | 22.66 | 22.52 | 22.55 | 1 | | | 3 | 0 | 23.66 | 23.54 | 23.55 | 0 | | |
| | | 8 | 3 | 22.51 | 22.39 | 22.31 | 1 | | | 3 | 1 | 23.54 | 23.44 | 23.39 | 0 | | |
| | | 8 | 7 | 22.40 | 22.41 | 22.32 | 1 | | | 3 | 3 | 23.40 | 23.33 | 23.32 | 0 | | |
| | 15 | 0 | 22.45 | 22.46 | 22.41 | 1 | 6 | | 0 | 22.59 | 22.55 | 22.38 | 1 | | | | |
| | 16QAM | 1 | 0 | 23.12 | 23.06 | 22.93 | 1 | | 16QAM | 1 | 0 | 23.12 | 23.12 | 23.10 | 1 | | |
| | | 1 | 7 | 22.88 | 22.85 | 22.85 | 1 | | | 1 | 2 | 22.93 | 22.82 | 22.75 | 1 | | |
| | | 1 | 14 | 22.97 | 22.85 | 22.81 | 1 | | | 1 | 5 | 22.90 | 22.71 | 22.73 | 1 | | |
| | | 8 | 0 | 21.90 | 21.78 | 21.63 | 2 | | | 3 | 0 | 22.84 | 22.65 | 22.60 | 1 | | |
| | | 8 | 3 | 21.73 | 21.71 | 21.65 | 2 | | | 3 | 1 | 22.78 | 22.67 | 22.64 | 1 | | |
| | | 8 | 7 | 21.67 | 21.58 | 21.70 | 2 | | | 3 | 3 | 22.78 | 22.66 | 22.54 | 1 | | |
| | 15 | 0 | 21.70 | 21.59 | 21.60 | 2 | 6 | | 0 | 21.68 | 21.52 | 21.59 | 2 | | | | |
| | 64QAM | 1 | 0 | 22.08 | 21.81 | 21.81 | 2 | | 64QAM | 1 | 0 | 22.03 | 21.85 | 21.91 | 2 | | |
| | | 1 | 7 | 21.89 | 21.74 | 21.68 | 2 | | | 1 | 2 | 21.77 | 21.72 | 21.70 | 2 | | |
| | | 1 | 14 | 21.85 | 21.78 | 21.70 | 2 | | | 1 | 5 | 21.82 | 21.65 | 21.77 | 2 | | |
| | | 8 | 0 | 20.88 | 20.79 | 20.65 | 3 | | | 3 | 0 | 21.87 | 21.85 | 21.81 | 2 | | |
| 8 | | 3 | 20.84 | 20.57 | 20.65 | 3 | 3 | 1 | | 21.72 | 21.58 | 21.58 | 2 | | | | |
| 8 | | 7 | 20.79 | 20.54 | 20.57 | 3 | 3 | 3 | | 21.69 | 21.60 | 21.66 | 2 | | | | |
| 15 | 0 | 20.85 | 20.65 | 20.69 | 3 | 6 | 0 | 20.74 | 20.68 | 20.68 | 3 | | | | | | |



SAR Test Report

| LTE Band 4 | | | | | | | | | | | | | | | | | |
|---|-----------|---------|-----------|-----------------|--------|--------|---------------|-----|-----------|---------|-----------|--------|-----------------|--------|---------------|--------|--------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 20050 | 20175 | | | | | | 20300 | Channel | 20025 | | 20175 | 20325 |
| | | | | Frequency (MHz) | 1720.0 | 1732.5 | | | | | | 1745.0 | Frequency (MHz) | 1717.5 | | 1732.5 | 1747.5 |
| 20M | QPSK | 1 | 0 | 16.90 | 16.94 | 16.98 | 0 | 15M | QPSK | 1 | 0 | 16.88 | 16.88 | 16.94 | 0 | | |
| | | 1 | 50 | 16.88 | 16.91 | 16.95 | 0 | | | 1 | 37 | 16.86 | 16.89 | 16.93 | 0 | | |
| | | 1 | 99 | 16.85 | 16.88 | 16.90 | 0 | | | 1 | 74 | 16.75 | 16.88 | 16.87 | 0 | | |
| | | 50 | 0 | 16.78 | 16.80 | 16.85 | 0 | | | 36 | 0 | 16.74 | 16.80 | 16.82 | 0 | | |
| | | 50 | 25 | 16.76 | 16.79 | 16.83 | 0 | | | 36 | 19 | 16.76 | 16.76 | 16.75 | 0 | | |
| | | 50 | 50 | 16.68 | 16.71 | 16.77 | 0 | | | 36 | 39 | 16.62 | 16.61 | 16.67 | 0 | | |
| | 100 | 0 | 16.78 | 16.83 | 16.85 | 0 | 75 | | 0 | 16.78 | 16.76 | 16.76 | 0 | | | | |
| | 16QAM | 1 | 0 | 16.89 | 16.93 | 16.95 | 0 | | 1 | 0 | 16.86 | 16.83 | 16.86 | 0 | | | |
| | | 1 | 50 | 16.84 | 16.90 | 16.92 | 0 | | 1 | 37 | 16.81 | 16.85 | 16.84 | 0 | | | |
| | | 1 | 99 | 16.83 | 16.86 | 16.87 | 0 | | 1 | 74 | 16.77 | 16.86 | 16.82 | 0 | | | |
| | | 50 | 0 | 16.75 | 16.80 | 16.82 | 0 | | 36 | 0 | 16.74 | 16.71 | 16.77 | 0 | | | |
| | | 50 | 25 | 16.74 | 16.77 | 16.80 | 0 | | 36 | 19 | 16.73 | 16.70 | 16.70 | 0 | | | |
| | | 50 | 50 | 16.66 | 16.70 | 16.74 | 0 | | 36 | 39 | 16.58 | 16.69 | 16.74 | 0 | | | |
| | 100 | 0 | 16.79 | 16.82 | 16.82 | 0 | 75 | | 0 | 16.69 | 16.80 | 16.73 | 0 | | | | |
| | 64QAM | 1 | 0 | 16.87 | 16.90 | 16.94 | 0 | | 1 | 0 | 16.85 | 16.84 | 16.85 | 0 | | | |
| | | 1 | 50 | 16.83 | 16.86 | 16.90 | 0 | | 1 | 37 | 16.73 | 16.81 | 16.86 | 0 | | | |
| | | 1 | 99 | 16.76 | 16.79 | 16.83 | 0 | | 1 | 74 | 16.70 | 16.71 | 16.76 | 0 | | | |
| | | 50 | 0 | 16.80 | 16.83 | 16.87 | 0 | | 36 | 0 | 16.70 | 16.75 | 16.87 | 0 | | | |
| | | 50 | 25 | 16.78 | 16.81 | 16.85 | 0 | | 36 | 19 | 16.72 | 16.75 | 16.76 | 0 | | | |
| | | 50 | 50 | 16.73 | 16.76 | 16.80 | 0 | | 36 | 39 | 16.66 | 16.71 | 16.71 | 0 | | | |
| | 100 | 0 | 16.78 | 16.87 | 16.85 | 0 | 75 | | 0 | 16.72 | 16.82 | 16.83 | 0 | | | | |
| | 10M | QPSK | 1 | 0 | 16.82 | 16.85 | 16.79 | | 0 | 5M | QPSK | 1 | 0 | 16.71 | 16.76 | 16.89 | 0 |
| | | | 1 | 24 | 16.72 | 16.70 | 16.81 | | 0 | | | 1 | 12 | 16.75 | 16.84 | 16.76 | 0 |
| | | | 1 | 49 | 16.79 | 16.75 | 16.77 | | 0 | | | 1 | 24 | 16.72 | 16.68 | 16.60 | 0 |
| 25 | | | 0 | 16.70 | 16.63 | 16.78 | 0 | 12 | 0 | | | 16.64 | 16.77 | 16.71 | 0 | | |
| 25 | | | 12 | 16.58 | 16.70 | 16.65 | 0 | 12 | 6 | | | 16.57 | 16.62 | 16.53 | 0 | | |
| 25 | | | 25 | 16.51 | 16.46 | 16.59 | 0 | 12 | 13 | | | 16.47 | 16.64 | 16.60 | 0 | | |
| 50 | | 0 | 16.68 | 16.76 | 16.68 | 0 | 25 | 0 | 16.64 | | 16.69 | 16.59 | 0 | | | | |
| 16QAM | | 1 | 0 | 16.68 | 16.85 | 16.83 | 0 | 1 | 0 | | 16.70 | 16.76 | 16.89 | 0 | | | |
| | | 1 | 24 | 16.69 | 16.83 | 16.78 | 0 | 1 | 12 | | 16.63 | 16.82 | 16.79 | 0 | | | |
| | | 1 | 49 | 16.72 | 16.78 | 16.81 | 0 | 1 | 24 | | 16.73 | 16.75 | 16.73 | 0 | | | |
| | | 25 | 0 | 16.61 | 16.67 | 16.68 | 0 | 12 | 0 | | 16.61 | 16.74 | 16.79 | 0 | | | |
| | | 25 | 12 | 16.65 | 16.64 | 16.63 | 0 | 12 | 6 | | 16.61 | 16.64 | 16.69 | 0 | | | |
| | | 25 | 25 | 16.57 | 16.57 | 16.54 | 0 | 12 | 13 | | 16.57 | 16.60 | 16.58 | 0 | | | |
| 50 | | 0 | 16.76 | 16.74 | 16.70 | 0 | 25 | 0 | 16.71 | | 16.73 | 16.77 | 0 | | | | |
| 64QAM | | 1 | 0 | 16.79 | 16.85 | 16.87 | 0 | 1 | 0 | | 16.76 | 16.77 | 16.72 | 0 | | | |
| | | 1 | 24 | 16.72 | 16.81 | 16.68 | 0 | 1 | 12 | | 16.78 | 16.74 | 16.83 | 0 | | | |
| | | 1 | 49 | 16.62 | 16.72 | 16.63 | 0 | 1 | 24 | | 16.66 | 16.70 | 16.70 | 0 | | | |
| | | 25 | 0 | 16.77 | 16.76 | 16.84 | 0 | 12 | 0 | | 16.60 | 16.65 | 16.80 | 0 | | | |
| | | 25 | 12 | 16.61 | 16.66 | 16.65 | 0 | 12 | 6 | | 16.65 | 16.68 | 16.69 | 0 | | | |
| | | 25 | 25 | 16.67 | 16.67 | 16.67 | 0 | 12 | 13 | | 16.59 | 16.59 | 16.68 | 0 | | | |
| 50 | | 0 | 16.71 | 16.77 | 16.78 | 0 | 25 | 0 | 16.58 | | 16.80 | 16.74 | 0 | | | | |
| 3M | | QPSK | 1 | 0 | 16.77 | 16.86 | 16.80 | 0 | 1.4M | | QPSK | 1 | 0 | 16.86 | 16.90 | 16.78 | 0 |
| | | | 1 | 7 | 16.72 | 16.74 | 16.93 | 0 | | | | 1 | 2 | 16.83 | 16.70 | 16.83 | 0 |
| | | | 1 | 14 | 16.73 | 16.83 | 16.76 | 0 | | | | 1 | 5 | 16.66 | 16.79 | 16.76 | 0 |
| | 8 | | 0 | 16.61 | 16.69 | 16.74 | 0 | 3 | | 0 | | 16.67 | 16.67 | 16.77 | 0 | | |
| | 8 | | 3 | 16.75 | 16.58 | 16.72 | 0 | 3 | | 1 | | 16.56 | 16.64 | 16.73 | 0 | | |
| | 8 | | 7 | 16.59 | 16.59 | 16.62 | 0 | 3 | | 3 | | 16.65 | 16.58 | 16.76 | 0 | | |
| | 15 | 0 | 16.64 | 16.67 | 16.76 | 0 | 6 | 0 | | 16.63 | 16.68 | 16.72 | 0 | | | | |
| | 16QAM | 1 | 0 | 16.79 | 16.77 | 16.93 | 0 | 1 | | 0 | 16.67 | 16.83 | 16.82 | 0 | | | |
| | | 1 | 7 | 16.71 | 16.78 | 16.73 | 0 | 1 | | 2 | 16.72 | 16.78 | 16.82 | 0 | | | |
| | | 1 | 14 | 16.77 | 16.64 | 16.77 | 0 | 1 | | 5 | 16.71 | 16.78 | 16.76 | 0 | | | |
| | | 8 | 0 | 16.56 | 16.69 | 16.65 | 0 | 3 | | 0 | 16.72 | 16.76 | 16.65 | 0 | | | |
| | | 8 | 3 | 16.54 | 16.63 | 16.77 | 0 | 3 | | 1 | 16.62 | 16.61 | 16.67 | 0 | | | |
| | | 8 | 7 | 16.60 | 16.56 | 16.52 | 0 | 3 | | 3 | 16.49 | 16.59 | 16.64 | 0 | | | |
| | 15 | 0 | 16.65 | 16.75 | 16.72 | 0 | 6 | 0 | | 16.73 | 16.72 | 16.75 | 0 | | | | |
| | 64QAM | 1 | 0 | 16.79 | 16.72 | 16.73 | 0 | 1 | | 0 | 16.72 | 16.69 | 16.87 | 0 | | | |
| | | 1 | 7 | 16.76 | 16.64 | 16.85 | 0 | 1 | | 2 | 16.66 | 16.74 | 16.69 | 0 | | | |
| | | 1 | 14 | 16.61 | 16.66 | 16.67 | 0 | 1 | | 5 | 16.64 | 16.75 | 16.76 | 0 | | | |
| | | 8 | 0 | 16.76 | 16.68 | 16.75 | 0 | 3 | | 0 | 16.68 | 16.68 | 16.73 | 0 | | | |
| | | 8 | 3 | 16.75 | 16.66 | 16.68 | 0 | 3 | | 1 | 16.68 | 16.65 | 16.68 | 0 | | | |
| | | 8 | 7 | 16.68 | 16.63 | 16.62 | 0 | 3 | | 3 | 16.54 | 16.64 | 16.64 | 0 | | | |
| | 15 | 0 | 16.62 | 16.77 | 16.71 | 0 | 6 | 0 | | 16.68 | 16.68 | 16.78 | 0 | | | | |

| LTE Band 5 | | | | | | | | | | | | | | | | | |
|--|-----------|---------|-----------|-------------------------|-------|-------|---------------|----|-----------|---------|-----------|-------|-------------------------|-------|---------------|-------|-------|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | 20450 | 20525 | 20600 | | | | | | 20425 | 20525 | 20625 | | | |
| | | | | Channel Frequency (MHz) | 829.0 | 836.5 | | | | | | 844.0 | Channel Frequency (MHz) | 826.5 | | 836.5 | 846.5 |
| 10M | QPSK | 1 | 0 | 23.47 | 23.62 | 23.58 | 0 | 5M | QPSK | 1 | 0 | 23.37 | 23.53 | 23.50 | 0 | | |
| | | 1 | 24 | 23.45 | 23.60 | 23.56 | 0 | | | 1 | 12 | 23.40 | 23.60 | 23.52 | 0 | | |
| | | 1 | 49 | 23.30 | 23.45 | 23.41 | 0 | | | 1 | 24 | 23.21 | 23.36 | 23.41 | 0 | | |
| | | 25 | 0 | 22.54 | 22.69 | 22.65 | 1 | | | 12 | 0 | 22.52 | 22.67 | 22.56 | 1 | | |
| | | 25 | 12 | 22.47 | 22.62 | 22.58 | 1 | | | 12 | 6 | 22.43 | 22.61 | 22.56 | 1 | | |
| | | 25 | 25 | 22.42 | 22.57 | 22.53 | 1 | | | 12 | 13 | 22.37 | 22.57 | 22.51 | 1 | | |
| | 16QAM | 50 | 0 | 22.45 | 22.60 | 22.56 | 1 | | 25 | 0 | 22.44 | 22.60 | 22.52 | 1 | | | |
| | | 1 | 0 | 22.58 | 22.73 | 22.69 | 1 | | 1 | 0 | 22.50 | 22.66 | 22.63 | 1 | | | |
| | | 1 | 24 | 22.59 | 22.74 | 22.70 | 1 | | 1 | 12 | 22.57 | 22.71 | 22.64 | 1 | | | |
| | | 1 | 49 | 22.52 | 22.67 | 22.63 | 1 | | 1 | 24 | 22.52 | 22.59 | 22.56 | 1 | | | |
| | | 25 | 0 | 21.57 | 21.72 | 21.68 | 2 | | 12 | 0 | 21.52 | 21.67 | 21.64 | 2 | | | |
| | | 25 | 12 | 21.51 | 21.66 | 21.62 | 2 | | 12 | 6 | 21.44 | 21.57 | 21.56 | 2 | | | |
| | 64QAM | 25 | 25 | 21.46 | 21.61 | 21.57 | 2 | | 12 | 13 | 21.38 | 21.60 | 21.55 | 2 | | | |
| | | 50 | 0 | 21.53 | 21.68 | 21.64 | 2 | | 25 | 0 | 21.47 | 21.63 | 21.57 | 2 | | | |
| | | 1 | 0 | 21.64 | 21.79 | 21.75 | 2 | | 1 | 0 | 21.58 | 21.77 | 21.73 | 2 | | | |
| | | 1 | 24 | 21.68 | 21.83 | 21.79 | 2 | | 1 | 12 | 21.65 | 21.75 | 21.74 | 2 | | | |
| | | 1 | 49 | 21.61 | 21.76 | 21.72 | 2 | | 1 | 24 | 21.51 | 21.66 | 21.62 | 2 | | | |
| | | 25 | 0 | 20.59 | 20.74 | 20.70 | 3 | | 12 | 0 | 20.53 | 20.70 | 20.61 | 3 | | | |
| | 3M | QPSK | 25 | 12 | 20.53 | 20.68 | 20.64 | | 3 | 12 | 6 | 20.43 | 20.58 | 20.58 | 3 | | |
| | | | 25 | 25 | 20.49 | 20.64 | 20.60 | | 3 | 12 | 13 | 20.44 | 20.57 | 20.59 | 3 | | |
| | | | 50 | 0 | 20.54 | 20.69 | 20.65 | | 3 | 25 | 0 | 20.50 | 20.66 | 20.55 | 3 | | |
| | | | 1 | 0 | 23.37 | 23.50 | 23.52 | | 0 | 1.4M | QPSK | 1 | 0 | 23.32 | 23.45 | 23.49 | 0 |
| | | | 1 | 7 | 23.32 | 23.53 | 23.36 | | 0 | | | 1 | 2 | 23.36 | 23.55 | 23.32 | 0 |
| | | | 1 | 14 | 23.19 | 23.36 | 23.26 | | 0 | | | 1 | 5 | 23.17 | 23.41 | 23.22 | 0 |
| 8 | | 0 | 22.43 | 22.62 | 22.46 | 1 | 3 | 0 | 23.43 | | | 23.55 | 23.59 | 0 | | | |
| 8 | | 3 | 22.34 | 22.45 | 22.51 | 1 | 3 | 1 | 23.37 | | | 23.51 | 23.44 | 0 | | | |
| 8 | | 7 | 22.23 | 22.48 | 22.42 | 1 | 3 | 3 | 23.22 | | | 23.37 | 23.43 | 0 | | | |
| 16QAM | | 15 | 0 | 22.35 | 22.50 | 22.34 | 1 | 6 | 0 | | 22.32 | 22.49 | 22.43 | 1 | | | |
| | | 1 | 0 | 22.45 | 22.59 | 22.62 | 1 | 1 | 0 | | 22.48 | 22.67 | 22.53 | 1 | | | |
| | | 1 | 7 | 22.42 | 22.67 | 22.68 | 1 | 1 | 2 | | 22.42 | 22.58 | 22.59 | 1 | | | |
| | | 1 | 14 | 22.31 | 22.50 | 22.49 | 1 | 1 | 5 | | 22.40 | 22.48 | 22.52 | 1 | | | |
| | | 8 | 0 | 21.41 | 21.57 | 21.44 | 2 | 3 | 0 | | 22.43 | 22.66 | 22.47 | 1 | | | |
| | | 8 | 3 | 21.39 | 21.62 | 21.39 | 2 | 3 | 1 | | 22.44 | 22.59 | 22.46 | 1 | | | |
| 64QAM | | 8 | 7 | 21.23 | 21.46 | 21.51 | 2 | 3 | 3 | | 22.40 | 22.41 | 22.49 | 1 | | | |
| | | 15 | 0 | 21.47 | 21.65 | 21.47 | 2 | 6 | 0 | | 21.41 | 21.51 | 21.53 | 2 | | | |
| | | 1 | 0 | 21.48 | 21.59 | 21.65 | 2 | 1 | 0 | | 21.61 | 21.72 | 21.70 | 2 | | | |
| | | 1 | 7 | 21.55 | 21.71 | 21.70 | 2 | 1 | 2 | | 21.57 | 21.77 | 21.73 | 2 | | | |
| | | 1 | 14 | 21.38 | 21.65 | 21.69 | 2 | 1 | 5 | | 21.45 | 21.73 | 21.52 | 2 | | | |
| | | 8 | 0 | 20.42 | 20.62 | 20.61 | 3 | 3 | 0 | | 21.43 | 21.70 | 21.55 | 2 | | | |
| 16QAM | | 8 | 3 | 20.37 | 20.44 | 20.56 | 3 | 3 | 1 | | 21.31 | 21.46 | 21.50 | 2 | | | |
| | | 8 | 7 | 20.43 | 20.50 | 20.52 | 3 | 3 | 3 | | 21.42 | 21.45 | 21.46 | 2 | | | |
| | | 15 | 0 | 20.46 | 20.62 | 20.53 | 3 | 6 | 0 | | 20.45 | 20.50 | 20.55 | 3 | | | |



SAR Test Report

| LTE Band 5 | | | | | | | | | | | | | | | | | |
|---|-----------|-----------|-----------|-------------------------|-------------------------|-------|---------------|---------------|-----------|---------|-----------|---------|-------------------------|-------|-------------------------|-------|---------------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | 20450 | 20525 | 20600 | | | | | | 20425 | 20525 | 20625 | | | |
| | | | | Channel Frequency (MHz) | 829.0 | 836.5 | | | | | | 844.0 | Channel Frequency (MHz) | 826.5 | | 836.5 | 846.5 |
| 10M | QPSK | 1 | 0 | 19.81 | 19.79 | 19.70 | 0 | 5M | QPSK | 1 | 0 | 19.75 | 19.79 | 19.67 | 0 | | |
| | | 1 | 24 | 19.72 | 19.68 | 19.61 | 0 | | | 1 | 12 | 19.64 | 19.64 | 19.61 | 0 | | |
| | | 1 | 49 | 19.70 | 19.66 | 19.58 | 0 | | | 1 | 24 | 19.69 | 19.60 | 19.51 | 0 | | |
| | | 25 | 0 | 19.65 | 19.64 | 19.55 | 0 | | | 12 | 0 | 19.55 | 19.56 | 19.47 | 0 | | |
| | | 25 | 12 | 19.61 | 19.57 | 19.49 | 0 | | | 12 | 6 | 19.55 | 19.54 | 19.42 | 0 | | |
| | | 25 | 25 | 19.61 | 19.57 | 19.49 | 0 | | | 12 | 13 | 19.55 | 19.49 | 19.44 | 0 | | |
| | | 50 | 0 | 19.75 | 19.72 | 19.65 | 0 | | | 25 | 0 | 19.72 | 19.66 | 19.55 | 0 | | |
| | 16QAM | 1 | 0 | 19.80 | 19.77 | 19.61 | 0 | | 16QAM | 1 | 0 | 19.77 | 19.72 | 19.61 | 0 | | |
| | | 1 | 24 | 19.68 | 19.59 | 19.57 | 0 | | | 1 | 12 | 19.67 | 19.59 | 19.47 | 0 | | |
| | | 1 | 49 | 19.70 | 19.62 | 19.56 | 0 | | | 1 | 24 | 19.68 | 19.62 | 19.55 | 0 | | |
| | | 25 | 0 | 19.56 | 19.56 | 19.50 | 0 | | | 12 | 0 | 19.47 | 19.55 | 19.47 | 0 | | |
| | | 25 | 12 | 19.57 | 19.53 | 19.39 | 0 | | | 12 | 6 | 19.56 | 19.50 | 19.31 | 0 | | |
| | | 25 | 25 | 19.61 | 19.49 | 19.41 | 0 | | | 12 | 13 | 19.51 | 19.41 | 19.32 | 0 | | |
| | | 50 | 0 | 19.72 | 19.72 | 19.58 | 0 | | | 25 | 0 | 19.65 | 19.64 | 19.56 | 0 | | |
| | 64QAM | 1 | 0 | 19.79 | 19.75 | 19.60 | 0 | | 64QAM | 1 | 0 | 19.71 | 19.77 | 19.55 | 0 | | |
| | | 1 | 24 | 19.68 | 19.66 | 19.61 | 0 | | | 1 | 12 | 19.65 | 19.65 | 19.60 | 0 | | |
| | | 1 | 49 | 19.68 | 19.58 | 19.58 | 0 | | | 1 | 24 | 19.62 | 19.52 | 19.50 | 0 | | |
| | | 25 | 0 | 19.60 | 19.58 | 19.50 | 0 | | | 12 | 0 | 19.60 | 19.58 | 19.40 | 0 | | |
| | | 25 | 12 | 19.61 | 19.50 | 19.43 | 0 | | | 12 | 6 | 19.51 | 19.45 | 19.37 | 0 | | |
| | | 25 | 25 | 19.53 | 19.57 | 19.39 | 0 | | | 12 | 13 | 19.51 | 19.55 | 19.31 | 0 | | |
| | | 50 | 0 | 19.71 | 19.62 | 19.55 | 0 | | | 25 | 0 | 19.68 | 19.60 | 19.55 | 0 | | |
| | 3M | QPSK | 1 | 0 | 19.67 | 19.73 | 19.51 | | 0 | 1.4M | QPSK | 1 | 0 | 19.79 | 19.67 | 19.54 | 0 |
| | | | 1 | 7 | 19.67 | 19.48 | 19.52 | | 0 | | | 1 | 2 | 19.57 | 19.53 | 19.40 | 0 |
| | | | 1 | 14 | 19.58 | 19.50 | 19.50 | | 0 | | | 1 | 5 | 19.53 | 19.44 | 19.40 | 0 |
| 8 | | | 0 | 19.63 | 19.55 | 19.40 | 0 | 3 | 0 | | | 19.45 | 19.52 | 19.44 | 0 | | |
| 8 | | | 3 | 19.56 | 19.40 | 19.37 | 0 | 3 | 1 | | | 19.43 | 19.49 | 19.35 | 0 | | |
| 8 | | | 7 | 19.42 | 19.53 | 19.27 | 0 | 3 | 3 | | | 19.51 | 19.50 | 19.23 | 0 | | |
| 15 | | | 0 | 19.71 | 19.70 | 19.45 | 0 | 6 | 0 | | | 19.56 | 19.54 | 19.46 | 0 | | |
| 16QAM | | 1 | 0 | 19.75 | 19.70 | 19.42 | 0 | 16QAM | 1 | | 0 | 19.75 | 19.68 | 19.52 | 0 | | |
| | | 1 | 7 | 19.53 | 19.49 | 19.44 | 0 | | 1 | | 2 | 19.52 | 19.41 | 19.49 | 0 | | |
| | | 1 | 14 | 19.67 | 19.47 | 19.55 | 0 | | 1 | | 5 | 19.51 | 19.49 | 19.43 | 0 | | |
| | | 8 | 0 | 19.46 | 19.41 | 19.41 | 0 | | 3 | | 0 | 19.50 | 19.53 | 19.46 | 0 | | |
| | | 8 | 3 | 19.55 | 19.36 | 19.37 | 0 | | 3 | | 1 | 19.55 | 19.32 | 19.35 | 0 | | |
| | | 8 | 7 | 19.44 | 19.47 | 19.23 | 0 | | 3 | | 3 | 19.53 | 19.31 | 19.24 | 0 | | |
| | | 15 | 0 | 19.63 | 19.60 | 19.55 | 0 | | 6 | | 0 | 19.58 | 19.59 | 19.38 | 0 | | |
| 64QAM | | 1 | 0 | 19.54 | 19.61 | 19.44 | 0 | 64QAM | 1 | | 0 | 19.71 | 19.65 | 19.51 | 0 | | |
| | | 1 | 7 | 19.43 | 19.55 | 19.47 | 0 | | 1 | | 2 | 19.59 | 19.42 | 19.44 | 0 | | |
| | | 1 | 14 | 19.47 | 19.52 | 19.45 | 0 | | 1 | | 5 | 19.59 | 19.46 | 19.41 | 0 | | |
| | | 8 | 0 | 19.48 | 19.53 | 19.48 | 0 | | 3 | | 0 | 19.56 | 19.45 | 19.26 | 0 | | |
| | | 8 | 3 | 19.41 | 19.32 | 19.41 | 0 | | 3 | | 1 | 19.50 | 19.36 | 19.38 | 0 | | |
| | | 8 | 7 | 19.50 | 19.42 | 19.26 | 0 | | 3 | | 3 | 19.48 | 19.38 | 19.33 | 0 | | |
| | | 15 | 0 | 19.66 | 19.53 | 19.41 | 0 | | 6 | | 0 | 19.59 | 19.40 | 19.49 | 0 | | |
| BW | | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) |
| | | | | | 20415 | 20525 | 20635 | | | | | | | 20407 | 20525 | 20643 | |
| | | | | | Channel Frequency (MHz) | 825.5 | 836.5 | | | | | | | 847.5 | Channel Frequency (MHz) | 824.7 | |

| LTE Band 7 | | | | | | | | | | | | | | | | | |
|--|-----------|-----------------|-----------|-----------|--------|---------|---------------|-----|-----------------|---------|-----------|---------|-----------|--------|---------------|-------|---------------|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | 20850 | 21100 | 21350 | | | | | | 20825 | 21100 | 21375 | | | |
| | | Channel | 2510.0 | 2535.0 | 2560.0 | Channel | | | | 2507.5 | 2535.0 | 2562.5 | | | | | |
| | | Frequency (MHz) | | | | | | | Frequency (MHz) | | | | | | | | |
| 20M | QPSK | 1 | 0 | 24.14 | 24.05 | 24.01 | 0 | 15M | QPSK | 1 | 0 | 24.04 | 24.03 | 23.96 | 0 | | |
| | | 1 | 50 | 23.81 | 23.72 | 23.68 | 0 | | | 1 | 37 | 23.75 | 23.66 | 23.68 | 0 | | |
| | | 1 | 99 | 23.86 | 23.77 | 23.73 | 0 | | | 1 | 74 | 23.85 | 23.72 | 23.63 | 0 | | |
| | | 50 | 0 | 22.93 | 22.84 | 22.80 | 1 | | | 36 | 0 | 22.86 | 22.74 | 22.73 | 1 | | |
| | | 50 | 25 | 22.88 | 22.79 | 22.75 | 1 | | | 36 | 19 | 22.82 | 22.76 | 22.67 | 1 | | |
| | | 50 | 50 | 22.83 | 22.74 | 22.70 | 1 | | | 36 | 39 | 22.75 | 22.74 | 22.70 | 1 | | |
| | 100 | 0 | 22.88 | 22.79 | 22.75 | 1 | 75 | | 0 | 22.82 | 22.78 | 22.65 | 1 | | | | |
| | 16QAM | 1 | 0 | 23.43 | 23.34 | 23.30 | 1 | | 16QAM | 1 | 0 | 23.39 | 23.28 | 23.24 | 1 | | |
| | | 1 | 50 | 23.15 | 23.06 | 23.02 | 1 | | | 1 | 37 | 23.05 | 23.04 | 22.94 | 1 | | |
| | | 1 | 99 | 23.19 | 23.10 | 23.06 | 1 | | | 1 | 74 | 23.18 | 23.01 | 23.03 | 1 | | |
| | | 50 | 0 | 22.07 | 21.98 | 21.94 | 2 | | | 36 | 0 | 22.00 | 21.91 | 21.89 | 2 | | |
| | | 50 | 25 | 21.96 | 21.87 | 21.83 | 2 | | | 36 | 19 | 21.96 | 21.81 | 21.81 | 2 | | |
| | | 50 | 50 | 21.92 | 21.83 | 21.79 | 2 | | | 36 | 39 | 21.86 | 21.73 | 21.71 | 2 | | |
| | 100 | 0 | 21.97 | 21.88 | 21.84 | 2 | 75 | | 0 | 21.88 | 21.79 | 21.78 | 2 | | | | |
| | 64QAM | 1 | 0 | 22.32 | 22.23 | 22.19 | 2 | | 64QAM | 1 | 0 | 22.27 | 22.21 | 22.17 | 2 | | |
| | | 1 | 50 | 22.06 | 21.97 | 21.93 | 2 | | | 1 | 37 | 21.99 | 21.91 | 21.84 | 2 | | |
| | | 1 | 99 | 22.12 | 22.03 | 21.99 | 2 | | | 1 | 74 | 22.06 | 22.02 | 21.92 | 2 | | |
| | | 50 | 0 | 21.10 | 21.01 | 20.97 | 3 | | | 36 | 0 | 21.10 | 20.99 | 20.97 | 3 | | |
| | | 50 | 25 | 21.00 | 20.91 | 20.87 | 3 | | | 36 | 19 | 20.92 | 20.85 | 20.84 | 3 | | |
| | | 50 | 50 | 20.94 | 20.85 | 20.81 | 3 | | | 36 | 39 | 20.88 | 20.85 | 20.75 | 3 | | |
| | 100 | 0 | 20.97 | 20.88 | 20.84 | 3 | 75 | | 0 | 20.89 | 20.88 | 20.83 | 3 | | | | |
| | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) |
| | | | | | 20800 | 21100 | 21400 | | | | | | | 20775 | 21100 | 21425 | |
| | | | Channel | 2505.0 | 2535.0 | 2565.0 | Channel | | | | | 2502.5 | 2535.0 | 2567.5 | | | |
| | | Frequency (MHz) | | | | | | | Frequency (MHz) | | | | | | | | |
| 10M | QPSK | 1 | 0 | 23.94 | 23.86 | 23.84 | 0 | 5M | QPSK | 1 | 0 | 23.96 | 23.86 | 23.83 | 0 | | |
| | | 1 | 24 | 23.72 | 23.54 | 23.56 | 0 | | | 1 | 12 | 23.63 | 23.51 | 23.39 | 0 | | |
| | | 1 | 49 | 23.79 | 23.73 | 23.63 | 0 | | | 1 | 24 | 23.78 | 23.63 | 23.46 | 0 | | |
| | | 25 | 0 | 22.78 | 22.63 | 22.75 | 1 | | | 12 | 0 | 22.85 | 22.74 | 22.67 | 1 | | |
| | | 25 | 12 | 22.75 | 22.77 | 22.66 | 1 | | | 12 | 6 | 22.81 | 22.60 | 22.53 | 1 | | |
| | | 25 | 25 | 22.65 | 22.53 | 22.54 | 1 | | | 12 | 13 | 22.67 | 22.62 | 22.52 | 1 | | |
| | 50 | 0 | 22.72 | 22.74 | 22.66 | 1 | 25 | | 0 | 22.71 | 22.67 | 22.67 | 1 | | | | |
| | 16QAM | 1 | 0 | 23.24 | 23.29 | 23.09 | 1 | | 16QAM | 1 | 0 | 23.30 | 23.17 | 23.13 | 1 | | |
| | | 1 | 24 | 23.00 | 22.92 | 22.90 | 1 | | | 1 | 12 | 23.07 | 22.93 | 22.80 | 1 | | |
| | | 1 | 49 | 23.06 | 23.03 | 22.85 | 1 | | | 1 | 24 | 23.16 | 22.93 | 22.86 | 1 | | |
| | | 25 | 0 | 22.04 | 21.78 | 21.82 | 2 | | | 12 | 0 | 21.92 | 21.89 | 21.76 | 2 | | |
| | | 25 | 12 | 21.94 | 21.78 | 21.63 | 2 | | | 12 | 6 | 21.93 | 21.81 | 21.71 | 2 | | |
| | | 25 | 25 | 21.89 | 21.68 | 21.66 | 2 | | | 12 | 13 | 21.78 | 21.62 | 21.65 | 2 | | |
| | 50 | 0 | 21.88 | 21.80 | 21.78 | 2 | 25 | | 0 | 21.86 | 21.81 | 21.83 | 2 | | | | |
| | 64QAM | 1 | 0 | 22.15 | 22.05 | 22.07 | 2 | | 64QAM | 1 | 0 | 22.28 | 22.04 | 22.10 | 2 | | |
| | | 1 | 24 | 21.88 | 21.76 | 21.89 | 2 | | | 1 | 12 | 21.92 | 21.92 | 21.76 | 2 | | |
| | | 1 | 49 | 22.02 | 21.93 | 21.88 | 2 | | | 1 | 24 | 21.98 | 21.81 | 21.98 | 2 | | |
| | | 25 | 0 | 20.94 | 20.95 | 20.87 | 3 | | | 12 | 0 | 20.98 | 20.88 | 20.82 | 3 | | |
| | | 25 | 12 | 20.80 | 20.82 | 20.68 | 3 | | | 12 | 6 | 20.87 | 20.71 | 20.72 | 3 | | |
| | | 25 | 25 | 20.79 | 20.84 | 20.57 | 3 | | | 12 | 13 | 20.89 | 20.74 | 20.66 | 3 | | |
| | 50 | 0 | 20.88 | 20.84 | 20.73 | 3 | 25 | | 0 | 20.87 | 20.73 | 20.66 | 3 | | | | |



SAR Test Report

| LTE Band 7 | | | | | | | | | | | | | | | | | |
|---|-----------|-----------|-----------|-------------------------|-------------------------|--------|---------------|-----|---------------|---------|-----------|---------|-------------------------|--------|-------------------------|--------|---------------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | 20850 | 21100 | 21350 | | | | | | 20825 | 21100 | 21375 | | | |
| | | | | Channel Frequency (MHz) | 2510.0 | 2535.0 | | | | | | 2560.0 | Channel Frequency (MHz) | 2507.5 | | 2535.0 | 2562.5 |
| 20M | QPSK | 1 | 0 | 14.96 | 15.00 | 14.99 | 0 | 15M | QPSK | 1 | 0 | 14.95 | 14.92 | 14.91 | 0 | | |
| | | 1 | 50 | 14.94 | 14.97 | 14.95 | 0 | | | 1 | 37 | 14.88 | 14.87 | 14.95 | 0 | | |
| | | 1 | 99 | 14.90 | 14.92 | 14.90 | 0 | | | 1 | 74 | 14.82 | 14.90 | 14.82 | 0 | | |
| | | 50 | 0 | 14.89 | 14.93 | 14.91 | 0 | | | 36 | 0 | 14.79 | 14.87 | 14.90 | 0 | | |
| | | 50 | 25 | 14.88 | 14.92 | 14.90 | 0 | | | 36 | 19 | 14.82 | 14.89 | 14.90 | 0 | | |
| | | 50 | 50 | 14.82 | 14.85 | 14.83 | 0 | | | 36 | 39 | 14.80 | 14.84 | 14.83 | 0 | | |
| | 100 | 0 | 14.87 | 14.91 | 14.90 | 0 | 75 | | 0 | 14.78 | 14.83 | 14.86 | 0 | | | | |
| | 16QAM | 1 | 0 | 14.93 | 14.98 | 14.96 | 0 | | 1 | 0 | 14.88 | 14.94 | 14.91 | 0 | | | |
| | | 1 | 50 | 14.88 | 14.92 | 14.88 | 0 | | 1 | 37 | 14.80 | 14.81 | 14.90 | 0 | | | |
| | | 1 | 99 | 14.85 | 14.81 | 14.89 | 0 | | 1 | 74 | 14.79 | 14.88 | 14.72 | 0 | | | |
| | | 50 | 0 | 14.84 | 14.85 | 14.90 | 0 | | 36 | 0 | 14.78 | 14.86 | 14.85 | 0 | | | |
| | | 50 | 25 | 14.87 | 14.80 | 14.90 | 0 | | 36 | 19 | 14.84 | 14.81 | 14.70 | 0 | | | |
| | | 50 | 50 | 14.82 | 14.79 | 14.79 | 0 | | 36 | 39 | 14.79 | 14.77 | 14.69 | 0 | | | |
| | 100 | 0 | 14.86 | 14.81 | 14.85 | 0 | 75 | | 0 | 14.78 | 14.84 | 14.78 | 0 | | | | |
| | 64QAM | 1 | 0 | 14.90 | 14.93 | 14.90 | 0 | | 1 | 0 | 14.80 | 14.85 | 14.86 | 0 | | | |
| | | 1 | 50 | 14.90 | 14.94 | 14.94 | 0 | | 1 | 37 | 14.87 | 14.89 | 14.90 | 0 | | | |
| | | 1 | 99 | 14.85 | 14.87 | 14.86 | 0 | | 1 | 74 | 14.77 | 14.78 | 14.86 | 0 | | | |
| | | 50 | 0 | 14.83 | 14.91 | 14.86 | 0 | | 36 | 0 | 14.80 | 14.81 | 14.80 | 0 | | | |
| | | 50 | 25 | 14.86 | 14.87 | 14.90 | 0 | | 36 | 19 | 14.86 | 14.85 | 14.87 | 0 | | | |
| | | 50 | 50 | 14.73 | 14.83 | 14.83 | 0 | | 36 | 39 | 14.73 | 14.75 | 14.78 | 0 | | | |
| | 100 | 0 | 14.87 | 14.86 | 14.81 | 0 | 75 | | 0 | 14.86 | 14.81 | 14.71 | 0 | | | | |
| | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) |
| | | | | | 20800 | 21100 | 21400 | | | | | | | 20775 | 21100 | 21425 | |
| | | | | | Channel Frequency (MHz) | 2505.0 | 2535.0 | | | | | | | 2565.0 | Channel Frequency (MHz) | 2502.5 | |
| 10M | QPSK | 1 | 0 | 14.81 | 14.87 | 14.80 | 0 | 5M | QPSK | 1 | 0 | 14.87 | 14.94 | 14.77 | 0 | | |
| | | 1 | 24 | 14.75 | 14.88 | 14.83 | 0 | | | 1 | 12 | 14.84 | 14.84 | 14.76 | 0 | | |
| | | 1 | 49 | 14.77 | 14.86 | 14.77 | 0 | | | 1 | 24 | 14.70 | 14.81 | 14.63 | 0 | | |
| | | 25 | 0 | 14.78 | 14.83 | 14.75 | 0 | | | 12 | 0 | 14.80 | 14.76 | 14.72 | 0 | | |
| | | 25 | 12 | 14.79 | 14.74 | 14.80 | 0 | | | 12 | 6 | 14.86 | 14.82 | 14.78 | 0 | | |
| | | 25 | 25 | 14.75 | 14.70 | 14.66 | 0 | | | 12 | 13 | 14.64 | 14.61 | 14.71 | 0 | | |
| | 50 | 0 | 14.72 | 14.82 | 14.78 | 0 | 25 | | 0 | 14.71 | 14.78 | 14.78 | 0 | | | | |
| | 16QAM | 1 | 0 | 14.69 | 14.94 | 14.81 | 0 | | 1 | 0 | 14.84 | 14.88 | 14.79 | 0 | | | |
| | | 1 | 24 | 14.69 | 14.67 | 14.78 | 0 | | 1 | 12 | 14.85 | 14.80 | 14.84 | 0 | | | |
| | | 1 | 49 | 14.70 | 14.70 | 14.63 | 0 | | 1 | 24 | 14.80 | 14.85 | 14.71 | 0 | | | |
| | | 25 | 0 | 14.82 | 14.74 | 14.80 | 0 | | 12 | 0 | 14.69 | 14.67 | 14.77 | 0 | | | |
| | | 25 | 12 | 14.70 | 14.76 | 14.59 | 0 | | 12 | 6 | 14.72 | 14.84 | 14.75 | 0 | | | |
| | | 25 | 25 | 14.70 | 14.73 | 14.64 | 0 | | 12 | 13 | 14.75 | 14.67 | 14.63 | 0 | | | |
| | 50 | 0 | 14.73 | 14.73 | 14.66 | 0 | 25 | | 0 | 14.74 | 14.77 | 14.67 | 0 | | | | |
| | 64QAM | 1 | 0 | 14.81 | 14.86 | 14.81 | 0 | | 1 | 0 | 14.80 | 14.84 | 14.71 | 0 | | | |
| | | 1 | 24 | 14.69 | 14.75 | 14.94 | 0 | | 1 | 12 | 14.83 | 14.85 | 14.87 | 0 | | | |
| | | 1 | 49 | 14.68 | 14.78 | 14.73 | 0 | | 1 | 24 | 14.68 | 14.73 | 14.73 | 0 | | | |
| | | 25 | 0 | 14.72 | 14.75 | 14.73 | 0 | | 12 | 0 | 14.64 | 14.75 | 14.67 | 0 | | | |
| | | 25 | 12 | 14.65 | 14.79 | 14.86 | 0 | | 12 | 6 | 14.82 | 14.70 | 14.75 | 0 | | | |
| | | 25 | 25 | 14.62 | 14.80 | 14.68 | 0 | | 12 | 13 | 14.54 | 14.62 | 14.67 | 0 | | | |
| | 50 | 0 | 14.77 | 14.74 | 14.57 | 0 | 25 | | 0 | 14.73 | 14.81 | 14.68 | 0 | | | | |

| LTE Band 12 | | | | | | | | | | | | | | | | | | | |
|--|-----------|-----------|-----------|-----------------|-----------------|-------|---------------|------|---------------|---------|-----------|---------|-----------------|-------|-----------------|-------|---------------|-------|-------|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | | | |
| | | | | Channel | 23060 | 23095 | | | | | | 23130 | Channel | 23035 | | 23095 | 23155 | | |
| | | | | Frequency (MHz) | 704.0 | 707.5 | | | | | | 711.0 | Frequency (MHz) | 701.5 | | 707.5 | 713.5 | | |
| 10M | QPSK | 1 | 0 | 23.70 | 23.87 | 24.01 | 0 | 5M | QPSK | 1 | 0 | 23.62 | 23.83 | 23.94 | 0 | | | | |
| | | 1 | 24 | 23.61 | 23.78 | 23.92 | 0 | | | 1 | 12 | 23.52 | 23.71 | 23.92 | 0 | | | | |
| | | 1 | 49 | 23.58 | 23.75 | 23.89 | 0 | | | 1 | 24 | 23.49 | 23.66 | 23.88 | 0 | | | | |
| | | 25 | 0 | 22.83 | 23.00 | 23.14 | 1 | | | 12 | 0 | 22.80 | 22.91 | 23.05 | 1 | | | | |
| | | 25 | 12 | 22.80 | 22.97 | 23.11 | 1 | | | 12 | 6 | 22.72 | 22.90 | 23.10 | 1 | | | | |
| | | 25 | 25 | 22.75 | 22.92 | 23.06 | 1 | | | 12 | 13 | 22.71 | 22.85 | 22.99 | 1 | | | | |
| | 16QAM | 50 | 0 | 22.77 | 22.94 | 23.08 | 1 | | 25 | 0 | 22.67 | 22.91 | 23.04 | 1 | | | | | |
| | | 1 | 0 | 22.86 | 23.03 | 23.17 | 1 | | 16QAM | 1 | 0 | 22.81 | 22.93 | 23.13 | 1 | | | | |
| | | 1 | 24 | 22.87 | 23.04 | 23.18 | 1 | | | 1 | 12 | 22.79 | 23.01 | 23.16 | 1 | | | | |
| | | 1 | 49 | 22.75 | 22.92 | 23.06 | 1 | | | 1 | 24 | 22.70 | 22.88 | 22.96 | 1 | | | | |
| | | 25 | 0 | 21.90 | 22.07 | 22.21 | 2 | | | 12 | 0 | 21.80 | 22.00 | 22.19 | 2 | | | | |
| | | 25 | 12 | 21.87 | 22.04 | 22.18 | 2 | | | 12 | 6 | 21.82 | 21.97 | 22.12 | 2 | | | | |
| | 25 | 25 | 21.76 | 21.93 | 22.07 | 2 | 12 | | | 13 | 21.69 | 21.91 | 22.00 | 2 | | | | | |
| | 64QAM | 50 | 0 | 21.84 | 22.01 | 22.15 | 2 | | 25 | 0 | 21.77 | 21.98 | 22.10 | 2 | | | | | |
| | | 1 | 0 | 21.84 | 22.01 | 22.15 | 2 | | 64QAM | 1 | 0 | 21.81 | 22.00 | 22.10 | 2 | | | | |
| | | 1 | 24 | 21.92 | 22.09 | 22.23 | 2 | | | 1 | 12 | 21.86 | 22.03 | 22.14 | 2 | | | | |
| | | 1 | 49 | 21.79 | 21.96 | 22.10 | 2 | | | 1 | 24 | 21.74 | 21.91 | 22.09 | 2 | | | | |
| | | 25 | 0 | 20.87 | 21.04 | 21.18 | 3 | | | 12 | 0 | 20.85 | 21.02 | 21.09 | 3 | | | | |
| | | 25 | 12 | 20.85 | 21.02 | 21.16 | 3 | | | 12 | 6 | 20.85 | 20.95 | 21.13 | 3 | | | | |
| | 25 | 25 | 20.77 | 20.94 | 21.08 | 3 | 12 | | | 13 | 20.77 | 20.87 | 21.04 | 3 | | | | | |
| | 50 | 0 | 20.88 | 21.05 | 21.19 | 3 | 25 | | 0 | 20.81 | 21.01 | 21.11 | 3 | | | | | | |
| | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | | Channel | 23025 | 23095 | | | | | | | 23165 | Channel | 23017 | | 23095 | 23173 |
| | | | | | Frequency (MHz) | 700.5 | 707.5 | | | | | | | 714.5 | Frequency (MHz) | 699.7 | | 707.5 | 715.3 |
| 3M | QPSK | 1 | 0 | 23.60 | 23.72 | 23.83 | 0 | 1.4M | QPSK | 1 | 0 | 23.51 | 23.67 | 23.89 | 0 | | | | |
| | | 1 | 7 | 23.52 | 23.61 | 23.69 | 0 | | | 1 | 2 | 23.45 | 23.65 | 23.78 | 0 | | | | |
| | | 1 | 14 | 23.46 | 23.63 | 23.78 | 0 | | | 1 | 5 | 23.45 | 23.51 | 23.82 | 0 | | | | |
| | | 8 | 0 | 22.77 | 22.83 | 23.07 | 1 | | | 3 | 0 | 23.68 | 23.85 | 23.90 | 0 | | | | |
| | | 8 | 3 | 22.72 | 22.91 | 22.94 | 1 | | | 3 | 1 | 23.62 | 23.85 | 23.96 | 0 | | | | |
| | | 8 | 7 | 22.52 | 22.86 | 22.90 | 1 | | | 3 | 3 | 23.62 | 23.84 | 23.96 | 0 | | | | |
| | 16QAM | 15 | 0 | 22.56 | 22.82 | 23.04 | 1 | | 6 | 0 | 22.62 | 22.76 | 22.93 | 1 | | | | | |
| | | 1 | 0 | 22.83 | 22.83 | 22.97 | 1 | | 16QAM | 1 | 0 | 22.66 | 22.99 | 22.96 | 1 | | | | |
| | | 1 | 7 | 22.69 | 22.83 | 22.95 | 1 | | | 1 | 2 | 22.78 | 22.92 | 23.07 | 1 | | | | |
| | | 1 | 14 | 22.66 | 22.79 | 23.02 | 1 | | | 1 | 5 | 22.62 | 22.86 | 22.96 | 1 | | | | |
| | | 8 | 0 | 21.83 | 22.01 | 22.18 | 2 | | | 3 | 0 | 22.73 | 22.92 | 23.17 | 1 | | | | |
| | | 8 | 3 | 21.65 | 21.97 | 22.02 | 2 | | | 3 | 1 | 22.62 | 22.95 | 23.07 | 1 | | | | |
| | 8 | 7 | 21.65 | 21.76 | 21.93 | 2 | 3 | | | 3 | 22.60 | 22.85 | 22.86 | 1 | | | | | |
| | 64QAM | 15 | 0 | 21.82 | 21.94 | 21.97 | 2 | | 6 | 0 | 21.69 | 21.97 | 21.96 | 2 | | | | | |
| | | 1 | 0 | 21.71 | 21.95 | 22.00 | 2 | | 64QAM | 1 | 0 | 21.76 | 21.84 | 22.00 | 2 | | | | |
| | | 1 | 7 | 21.74 | 21.99 | 22.19 | 2 | | | 1 | 2 | 21.72 | 21.93 | 22.02 | 2 | | | | |
| | | 1 | 14 | 21.65 | 21.94 | 21.93 | 2 | | | 1 | 5 | 21.72 | 21.78 | 21.93 | 2 | | | | |
| | | 8 | 0 | 20.78 | 20.93 | 21.05 | 3 | | | 3 | 0 | 21.67 | 21.92 | 22.06 | 2 | | | | |
| | | 8 | 3 | 20.78 | 20.92 | 21.01 | 3 | | | 3 | 1 | 21.64 | 21.90 | 21.99 | 2 | | | | |
| | 8 | 7 | 20.71 | 20.82 | 20.88 | 3 | 3 | | | 3 | 21.56 | 21.87 | 21.91 | 2 | | | | | |
| | 15 | 0 | 20.75 | 20.95 | 21.05 | 3 | 6 | | 0 | 20.80 | 20.97 | 21.00 | 3 | | | | | | |



SAR Test Report

| LTE Band 12 | | | | | | | | | | | | | | | | | |
|---|-----------|---------|-----------|-------------------------|-------|-------|---------------|-------|-----------|---------|-----------|-------|-------------------------|-------|---------------|-------|-------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | 23060 | 23095 | 23130 | | | | | | 23035 | 23095 | 23155 | | | |
| | | | | Channel Frequency (MHz) | 704.0 | 707.5 | | | | | | 711.0 | Channel Frequency (MHz) | 701.5 | | 707.5 | 713.5 |
| 10M | QPSK | 1 | 0 | 18.32 | 18.25 | 18.27 | 0 | 5M | QPSK | 1 | 0 | 18.27 | 18.23 | 18.22 | 0 | | |
| | | 1 | 24 | 18.29 | 18.24 | 18.26 | 0 | | | 1 | 12 | 18.26 | 18.14 | 18.26 | 0 | | |
| | | 1 | 49 | 18.21 | 18.15 | 18.20 | 0 | | | 1 | 24 | 18.18 | 18.05 | 18.14 | 0 | | |
| | | 25 | 0 | 18.30 | 18.23 | 18.24 | 0 | | | 12 | 0 | 18.30 | 18.16 | 18.16 | 0 | | |
| | | 25 | 12 | 18.28 | 18.21 | 18.24 | 0 | | | 12 | 6 | 18.25 | 18.11 | 18.15 | 0 | | |
| | | 25 | 25 | 18.26 | 18.20 | 18.22 | 0 | | | 12 | 13 | 18.21 | 18.19 | 18.16 | 0 | | |
| | 16QAM | 50 | 0 | 18.30 | 18.23 | 18.26 | 0 | | 25 | 0 | 18.20 | 18.13 | 18.22 | 0 | | | |
| | | 1 | 0 | 18.27 | 18.16 | 18.20 | 0 | | 16QAM | 1 | 0 | 18.27 | 18.12 | 18.14 | 0 | | |
| | | 1 | 24 | 18.24 | 18.18 | 18.20 | 0 | | | 1 | 12 | 18.16 | 18.15 | 18.18 | 0 | | |
| | | 1 | 49 | 18.15 | 18.06 | 18.15 | 0 | | | 1 | 24 | 18.10 | 17.97 | 18.15 | 0 | | |
| | | 25 | 0 | 18.20 | 18.14 | 18.24 | 0 | | | 12 | 0 | 18.13 | 18.05 | 18.22 | 0 | | |
| | | 25 | 12 | 18.19 | 18.11 | 18.20 | 0 | | | 12 | 6 | 18.14 | 18.02 | 18.10 | 0 | | |
| | 25 | 25 | 18.26 | 18.16 | 18.20 | 0 | 12 | | | 13 | 18.20 | 18.16 | 18.14 | 0 | | | |
| | 64QAM | 50 | 0 | 18.29 | 18.16 | 18.17 | 0 | | 25 | 0 | 18.21 | 18.11 | 18.15 | 0 | | | |
| | | 1 | 0 | 18.23 | 18.16 | 18.17 | 0 | | 64QAM | 1 | 0 | 18.14 | 18.12 | 18.07 | 0 | | |
| | | 1 | 24 | 18.23 | 18.14 | 18.25 | 0 | | | 1 | 12 | 18.16 | 18.04 | 18.18 | 0 | | |
| | | 1 | 49 | 18.18 | 18.05 | 18.15 | 0 | | | 1 | 24 | 18.11 | 17.96 | 18.13 | 0 | | |
| | | 25 | 0 | 18.20 | 18.21 | 18.20 | 0 | | | 12 | 0 | 18.12 | 18.16 | 18.12 | 0 | | |
| | | 25 | 12 | 18.26 | 18.16 | 18.15 | 0 | | | 12 | 6 | 18.24 | 18.13 | 18.06 | 0 | | |
| | 25 | 25 | 18.24 | 18.15 | 18.22 | 0 | 12 | | | 13 | 18.20 | 18.05 | 18.12 | 0 | | | |
| | 3M | QPSK | 50 | 0 | 18.25 | 18.15 | 18.21 | | 0 | 1.4M | QPSK | 25 | 0 | 18.19 | 18.09 | 18.11 | 0 |
| | | | 1 | 0 | 18.22 | 18.18 | 18.12 | | 0 | | | 1 | 0 | 18.26 | 18.08 | 17.99 | 0 |
| | | | 1 | 7 | 18.27 | 18.02 | 18.17 | | 0 | | | 1 | 2 | 18.11 | 18.13 | 18.13 | 0 |
| | | | 1 | 14 | 18.08 | 18.04 | 18.16 | | 0 | | | 1 | 5 | 18.05 | 18.03 | 17.95 | 0 |
| 8 | | | 0 | 18.16 | 18.13 | 18.10 | 0 | 3 | 0 | | | 18.12 | 18.14 | 18.03 | 0 | | |
| 8 | | | 3 | 18.08 | 18.06 | 18.15 | 0 | 3 | 1 | | | 18.07 | 18.08 | 18.00 | 0 | | |
| 16QAM | | 8 | 7 | 18.12 | 18.15 | 18.16 | 0 | 3 | 3 | | 18.04 | 18.04 | 18.14 | 0 | | | |
| | | 15 | 0 | 18.25 | 18.16 | 18.16 | 0 | 6 | 0 | | 18.20 | 18.19 | 18.09 | 0 | | | |
| | | 1 | 0 | 18.11 | 17.97 | 18.03 | 0 | 16QAM | 1 | | 0 | 18.14 | 18.02 | 18.06 | 0 | | |
| | | 1 | 7 | 18.14 | 18.05 | 18.07 | 0 | | 1 | | 2 | 18.21 | 18.00 | 18.13 | 0 | | |
| | | 1 | 14 | 17.98 | 17.98 | 18.04 | 0 | | 1 | | 5 | 17.94 | 17.95 | 17.97 | 0 | | |
| | | 8 | 0 | 18.06 | 18.00 | 18.18 | 0 | | 3 | | 0 | 18.12 | 17.92 | 18.11 | 0 | | |
| 8 | | 3 | 18.08 | 17.96 | 18.01 | 0 | 3 | | 1 | | 18.17 | 18.04 | 18.02 | 0 | | | |
| 8 | | 7 | 18.21 | 18.06 | 18.14 | 0 | 3 | | 3 | | 18.17 | 18.04 | 18.09 | 0 | | | |
| 64QAM | | 15 | 0 | 18.26 | 17.97 | 18.02 | 0 | 6 | 0 | | 18.18 | 18.02 | 18.04 | 0 | | | |
| | | 1 | 0 | 18.15 | 18.07 | 18.03 | 0 | 64QAM | 1 | | 0 | 18.16 | 18.03 | 18.09 | 0 | | |
| | | 1 | 7 | 18.09 | 17.99 | 18.11 | 0 | | 1 | | 2 | 18.06 | 18.02 | 18.10 | 0 | | |
| | | 1 | 14 | 17.94 | 17.95 | 18.10 | 0 | | 1 | | 5 | 18.07 | 18.02 | 18.07 | 0 | | |
| | | 8 | 0 | 18.11 | 18.05 | 17.99 | 0 | | 3 | | 0 | 18.09 | 18.10 | 18.15 | 0 | | |
| | | 8 | 3 | 18.16 | 18.08 | 18.04 | 0 | | 3 | | 1 | 18.08 | 18.08 | 17.97 | 0 | | |
| 8 | | 7 | 18.15 | 18.01 | 18.05 | 0 | 3 | | 3 | | 18.08 | 18.00 | 18.07 | 0 | | | |
| 1.4M | | QPSK | 15 | 0 | 18.06 | 17.92 | 18.02 | 0 | 1.4M | | QPSK | 6 | 0 | 18.21 | 17.94 | 18.16 | 0 |
| | | | 1 | 0 | 18.22 | 18.18 | 18.12 | 0 | | | | 1 | 0 | 18.26 | 18.08 | 17.99 | 0 |
| | | | 1 | 7 | 18.27 | 18.02 | 18.17 | 0 | | | | 1 | 2 | 18.11 | 18.13 | 18.13 | 0 |
| | 1 | | 14 | 18.08 | 18.04 | 18.16 | 0 | 1 | | 5 | | 18.05 | 18.03 | 17.95 | 0 | | |
| | 8 | | 0 | 18.16 | 18.13 | 18.10 | 0 | 3 | | 0 | | 18.12 | 18.14 | 18.03 | 0 | | |
| | 8 | | 3 | 18.08 | 18.06 | 18.15 | 0 | 3 | | 1 | | 18.07 | 18.08 | 18.00 | 0 | | |
| | 16QAM | 8 | 7 | 18.12 | 18.15 | 18.16 | 0 | 3 | | 3 | 18.04 | 18.04 | 18.14 | 0 | | | |
| | | 15 | 0 | 18.25 | 18.16 | 18.16 | 0 | 6 | | 0 | 18.20 | 18.19 | 18.09 | 0 | | | |
| | | 1 | 0 | 18.11 | 17.97 | 18.03 | 0 | 16QAM | | 1 | 0 | 18.14 | 18.02 | 18.06 | 0 | | |
| | | 1 | 7 | 18.14 | 18.05 | 18.07 | 0 | | | 1 | 2 | 18.21 | 18.00 | 18.13 | 0 | | |
| | | 1 | 14 | 17.98 | 17.98 | 18.04 | 0 | | | 1 | 5 | 17.94 | 17.95 | 17.97 | 0 | | |
| | | 8 | 0 | 18.06 | 18.00 | 18.18 | 0 | | | 3 | 0 | 18.12 | 17.92 | 18.11 | 0 | | |
| | 8 | 3 | 18.08 | 17.96 | 18.01 | 0 | 3 | | | 1 | 18.17 | 18.04 | 18.02 | 0 | | | |
| | 8 | 7 | 18.21 | 18.06 | 18.14 | 0 | 3 | | | 3 | 18.17 | 18.04 | 18.09 | 0 | | | |
| | 64QAM | 15 | 0 | 18.26 | 17.97 | 18.02 | 0 | 6 | | 0 | 18.18 | 18.02 | 18.04 | 0 | | | |
| | | 1 | 0 | 18.15 | 18.07 | 18.03 | 0 | 64QAM | | 1 | 0 | 18.16 | 18.03 | 18.09 | 0 | | |
| | | 1 | 7 | 18.09 | 17.99 | 18.11 | 0 | | | 1 | 2 | 18.06 | 18.02 | 18.10 | 0 | | |
| | | 1 | 14 | 17.94 | 17.95 | 18.10 | 0 | | | 1 | 5 | 18.07 | 18.02 | 18.07 | 0 | | |
| | | 8 | 0 | 18.11 | 18.05 | 17.99 | 0 | | | 3 | 0 | 18.09 | 18.10 | 18.15 | 0 | | |
| | | 8 | 3 | 18.16 | 18.08 | 18.04 | 0 | | | 3 | 1 | 18.08 | 18.08 | 17.97 | 0 | | |
| | 8 | 7 | 18.15 | 18.01 | 18.05 | 0 | 3 | | | 3 | 18.08 | 18.00 | 18.07 | 0 | | | |



SAR Test Report

LTE Band 13

EUT without Power Reduction (P-Sensor NOT Triggered)

| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
|-----|-----------|-----------------|-----------|-------|-------|------|---------------|----|-----------|---------|-----------|-------|-------|-------|---------------|-------|-------|
| | | Channel | | | | | | | | 23230 | 23205 | | | | | 23230 | 23225 |
| | | Frequency (MHz) | | | | | | | | 782.0 | 779.5 | | | | | 782.0 | 784.5 |
| 10M | QPSK | 1 | 0 | | 24.03 | | 0 | 5M | QPSK | 1 | 0 | 23.89 | 23.98 | 24.01 | 0 | | |
| | | 1 | 24 | | 23.96 | | 0 | | | 1 | 12 | 23.81 | 23.90 | 23.93 | 0 | | |
| | | 1 | 49 | | 23.83 | | 0 | | | 1 | 24 | 23.68 | 23.77 | 23.80 | 0 | | |
| | | 25 | 0 | | 23.03 | | 1 | | | 12 | 0 | 22.88 | 22.97 | 23.00 | 1 | | |
| | | 25 | 12 | | 23.02 | | 1 | | | 12 | 6 | 22.87 | 22.96 | 22.99 | 1 | | |
| | | 25 | 25 | | 22.96 | | 1 | | | 12 | 13 | 22.81 | 22.90 | 22.93 | 1 | | |
| | 16QAM | 50 | 0 | | 23.02 | | 1 | | 25 | 0 | 22.87 | 22.96 | 22.99 | 1 | | | |
| | | 1 | 0 | | 23.18 | | 1 | | 16QAM | 1 | 0 | 23.03 | 23.12 | 23.15 | 1 | | |
| | | 1 | 24 | | 23.13 | | 1 | | | 1 | 12 | 22.98 | 23.07 | 23.10 | 1 | | |
| | | 1 | 49 | | 22.98 | | 1 | | | 1 | 24 | 22.83 | 22.92 | 22.95 | 1 | | |
| | | 25 | 0 | | 22.07 | | 2 | | | 12 | 0 | 21.92 | 22.01 | 22.04 | 2 | | |
| | | 25 | 12 | | 22.12 | | 2 | | | 12 | 6 | 21.97 | 22.06 | 22.09 | 2 | | |
| | 25 | 25 | | 22.14 | | 2 | 12 | | | 13 | 21.99 | 22.08 | 22.11 | 2 | | | |
| | 64QAM | 50 | 0 | | 22.08 | | 2 | | 64QAM | 25 | 0 | 21.93 | 22.02 | 22.05 | 2 | | |
| | | 1 | 0 | | 22.22 | | 2 | | | 1 | 0 | 22.07 | 22.16 | 22.19 | 2 | | |
| | | 1 | 24 | | 22.27 | | 2 | | | 1 | 12 | 22.12 | 22.21 | 22.24 | 2 | | |
| | | 1 | 49 | | 22.14 | | 2 | | | 1 | 24 | 21.99 | 22.08 | 22.11 | 2 | | |
| | | 25 | 0 | | 21.16 | | 3 | | | 12 | 0 | 21.01 | 21.10 | 21.13 | 3 | | |
| | | 25 | 12 | | 21.23 | | 3 | | | 12 | 6 | 21.08 | 21.17 | 21.20 | 3 | | |
| | 25 | 25 | | 21.12 | | 3 | 12 | | 13 | 20.97 | 21.06 | 21.09 | 3 | | | | |
| | 50 | 0 | | 21.18 | | 3 | 25 | | 0 | 21.03 | 21.12 | 21.15 | 3 | | | | |

LTE Band 13

EUT with Power Reduction (P-Sensor Triggered)

| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
|-----|-----------|-----------------|-----------|-------|-------|------|---------------|----|-----------|---------|-----------|-------|-------|-------|---------------|-------|-------|
| | | Channel | | | | | | | | 23230 | 23205 | | | | | 23230 | 23225 |
| | | Frequency (MHz) | | | | | | | | 782.0 | 779.5 | | | | | 782.0 | 784.5 |
| 10M | QPSK | 1 | 0 | | 18.34 | | 0 | 5M | QPSK | 1 | 0 | 18.30 | 18.28 | 18.25 | 0 | | |
| | | 1 | 24 | | 18.27 | | 0 | | | 1 | 12 | 18.19 | 18.19 | 18.12 | 0 | | |
| | | 1 | 49 | | 18.15 | | 0 | | | 1 | 24 | 18.15 | 18.14 | 18.10 | 0 | | |
| | | 25 | 0 | | 18.25 | | 0 | | | 12 | 0 | 18.18 | 18.15 | 18.11 | 0 | | |
| | | 25 | 12 | | 18.22 | | 0 | | | 12 | 6 | 18.20 | 18.17 | 18.13 | 0 | | |
| | | 25 | 25 | | 18.18 | | 0 | | | 12 | 13 | 18.17 | 18.14 | 18.10 | 0 | | |
| | 16QAM | 50 | 0 | | 18.20 | | 0 | | 16QAM | 25 | 0 | 18.20 | 18.17 | 18.16 | 0 | | |
| | | 1 | 0 | | 18.29 | | 0 | | | 1 | 0 | 18.28 | 18.20 | 18.17 | 0 | | |
| | | 1 | 24 | | 18.23 | | 0 | | | 1 | 12 | 18.17 | 18.19 | 18.11 | 0 | | |
| | | 1 | 49 | | 18.13 | | 0 | | | 1 | 24 | 18.11 | 18.04 | 18.09 | 0 | | |
| | | 25 | 0 | | 18.20 | | 0 | | | 12 | 0 | 18.10 | 18.09 | 18.07 | 0 | | |
| | | 25 | 12 | | 18.18 | | 0 | | | 12 | 6 | 18.11 | 18.12 | 18.09 | 0 | | |
| | 64QAM | 25 | 25 | | 18.13 | | 0 | | 64QAM | 12 | 13 | 18.16 | 18.12 | 18.06 | 0 | | |
| | | 50 | 0 | | 18.15 | | 0 | | | 25 | 0 | 18.12 | 18.07 | 18.15 | 0 | | |
| | | 1 | 0 | | 18.26 | | 0 | | | 1 | 0 | 18.20 | 18.23 | 18.15 | 0 | | |
| | | 1 | 24 | | 18.20 | | 0 | | | 1 | 12 | 18.18 | 18.10 | 18.03 | 0 | | |
| | | 1 | 49 | | 18.13 | | 0 | | | 1 | 24 | 18.06 | 18.07 | 18.10 | 0 | | |
| | | 25 | 0 | | 18.18 | | 0 | | | 12 | 0 | 18.15 | 18.09 | 18.01 | 0 | | |
| | 25 | 12 | | 18.16 | | 0 | 12 | | 6 | 18.11 | 18.11 | 18.06 | 0 | | | | |
| | 25 | 25 | | 18.11 | | 0 | 12 | | 13 | 18.11 | 18.08 | 18.09 | 0 | | | | |
| | 50 | 0 | | 18.14 | | 0 | 25 | | 0 | 18.11 | 18.07 | 18.16 | 0 | | | | |

| LTE Band 14 | | | | | | | | | | | | | | | | | | | |
|--|-----------|---------|-----------|-------|-------|------|---------------|----|-----------|---------|-----------|-------|-------|-------|---------------|-----------------|-------|-------|-------|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | | | |
| | | | | | | | | | | | | | | | | Channel | 23305 | 23330 | 23355 |
| | | | | | | | | | | | | | | | | Frequency (MHz) | 790.5 | 793 | 795.5 |
| 10M | QPSK | 1 | 0 | | 23.68 | | 0 | 5M | QPSK | 1 | 0 | 23.64 | 23.61 | 23.57 | 0 | | | | |
| | | 1 | 24 | | 23.54 | | 0 | | | 1 | 12 | 23.49 | 23.46 | 23.42 | 0 | | | | |
| | | 1 | 49 | | 23.46 | | 0 | | | 1 | 24 | 23.41 | 23.38 | 23.34 | 0 | | | | |
| | | 25 | 0 | | 22.70 | | 1 | | | 12 | 0 | 22.65 | 22.62 | 22.58 | 1 | | | | |
| | | 25 | 12 | | 22.65 | | 1 | | | 12 | 6 | 22.60 | 22.57 | 22.53 | 1 | | | | |
| | | 25 | 25 | | 22.54 | | 1 | | | 12 | 13 | 22.49 | 22.46 | 22.42 | 1 | | | | |
| | 16QAM | 50 | 0 | | 22.58 | | 1 | | 25 | 0 | 22.53 | 22.50 | 22.46 | 1 | | | | | |
| | | 1 | 0 | | 22.87 | | 1 | | 16QAM | 1 | 0 | 22.82 | 22.79 | 22.75 | 1 | | | | |
| | | 1 | 24 | | 22.83 | | 1 | | | 1 | 12 | 22.78 | 22.75 | 22.71 | 1 | | | | |
| | | 1 | 49 | | 22.56 | | 1 | | | 1 | 24 | 22.51 | 22.48 | 22.44 | 1 | | | | |
| | | 25 | 0 | | 21.76 | | 2 | | | 12 | 0 | 21.71 | 21.68 | 21.64 | 2 | | | | |
| | | 25 | 12 | | 21.73 | | 2 | | | 12 | 6 | 21.68 | 21.65 | 21.61 | 2 | | | | |
| | 25 | 25 | | 21.65 | | 2 | 12 | | | 13 | 21.60 | 21.57 | 21.53 | 2 | | | | | |
| | 64QAM | 50 | 0 | | 21.71 | | 2 | | 25 | 0 | 21.66 | 21.63 | 21.59 | 2 | | | | | |
| | | 1 | 0 | | 22.04 | | 2 | | 64QAM | 1 | 0 | 21.99 | 21.96 | 21.92 | 2 | | | | |
| | | 1 | 24 | | 21.87 | | 2 | | | 1 | 12 | 21.82 | 21.79 | 21.75 | 2 | | | | |
| | | 1 | 49 | | 21.73 | | 2 | | | 1 | 24 | 21.68 | 21.65 | 21.61 | 2 | | | | |
| | | 25 | 0 | | 20.79 | | 3 | | | 12 | 0 | 20.74 | 20.71 | 20.67 | 3 | | | | |
| | | 25 | 12 | | 20.78 | | 3 | | | 12 | 6 | 20.73 | 20.70 | 20.66 | 3 | | | | |
| | 25 | 25 | | 20.63 | | 3 | 12 | | | 13 | 20.58 | 20.55 | 20.51 | 3 | | | | | |
| | 50 | 0 | | 20.73 | | 3 | 25 | | 0 | 20.68 | 20.65 | 20.61 | 3 | | | | | | |

| LTE Band 14 | | | | | | | | | | | | | | | | | | | |
|---|-----------|---------|-----------|-------|-------|------|---------------|----|-----------|---------|-----------|-------|-------|-------|---------------|-----------------|-------|-------|-------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | | | |
| | | | | | | | | | | | | | | | | Channel | 23305 | 23330 | 23355 |
| | | | | | | | | | | | | | | | | Frequency (MHz) | 790.5 | 793 | 795.5 |
| 10M | QPSK | 1 | 0 | | 18.41 | | 0 | 5M | QPSK | 1 | 0 | 18.20 | 18.34 | 18.22 | 0 | | | | |
| | | 1 | 24 | | 18.33 | | 0 | | | 1 | 12 | 18.15 | 18.32 | 18.06 | 0 | | | | |
| | | 1 | 49 | | 18.21 | | 0 | | | 1 | 24 | 18.07 | 18.16 | 18.07 | 0 | | | | |
| | | 25 | 0 | | 18.36 | | 0 | | | 12 | 0 | 18.08 | 18.26 | 18.11 | 0 | | | | |
| | | 25 | 12 | | 18.33 | | 0 | | | 12 | 6 | 18.20 | 18.28 | 18.13 | 0 | | | | |
| | | 25 | 25 | | 18.26 | | 0 | | | 12 | 13 | 18.16 | 18.26 | 18.08 | 0 | | | | |
| | 16QAM | 50 | 0 | | 18.30 | | 0 | | 25 | 0 | 18.14 | 18.24 | 18.13 | 0 | | | | | |
| | | 1 | 0 | | 18.37 | | 0 | | 16QAM | 1 | 0 | 18.21 | 18.35 | 18.18 | 0 | | | | |
| | | 1 | 24 | | 18.30 | | 0 | | | 1 | 12 | 18.20 | 18.27 | 18.10 | 0 | | | | |
| | | 1 | 49 | | 18.20 | | 0 | | | 1 | 24 | 18.08 | 18.14 | 18.07 | 0 | | | | |
| | | 25 | 0 | | 18.34 | | 0 | | | 12 | 0 | 18.19 | 18.26 | 18.21 | 0 | | | | |
| | | 25 | 12 | | 18.30 | | 0 | | | 12 | 6 | 18.16 | 18.24 | 18.14 | 0 | | | | |
| | 25 | 25 | | 18.26 | | 0 | 12 | | | 13 | 18.23 | 18.20 | 18.12 | 0 | | | | | |
| | 64QAM | 50 | 0 | | 18.28 | | 0 | | 25 | 0 | 18.21 | 18.22 | 18.09 | 0 | | | | | |
| | | 1 | 0 | | 18.35 | | 0 | | 64QAM | 1 | 0 | 18.13 | 18.33 | 18.11 | 0 | | | | |
| | | 1 | 24 | | 18.25 | | 0 | | | 1 | 12 | 18.15 | 18.18 | 18.21 | 0 | | | | |
| | | 1 | 49 | | 18.15 | | 0 | | | 1 | 24 | 18.15 | 18.08 | 18.07 | 0 | | | | |
| | | 25 | 0 | | 18.30 | | 0 | | | 12 | 0 | 18.11 | 18.20 | 18.15 | 0 | | | | |
| | | 25 | 12 | | 18.28 | | 0 | | | 12 | 6 | 18.20 | 18.22 | 18.10 | 0 | | | | |
| | 25 | 25 | | 18.20 | | 0 | 12 | | | 13 | 18.24 | 18.18 | 18.12 | 0 | | | | | |
| | 50 | 0 | | 18.26 | | 0 | 25 | | 0 | 18.25 | 18.18 | 18.19 | 0 | | | | | | |

| LTE Band 17 | | | | | | | | | | | | | | | | | |
|--|-----------|---------|-----------|-----------------|-------|-------|---------------|----|-----------|---------|-----------|-------|-----------------|-------|---------------|-------|-------|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 23780 | 23790 | | | | | | 23800 | Channel | 23755 | | 23790 | 23825 |
| | | | | Frequency (MHz) | 709.0 | 710.0 | | | | | | 711.0 | Frequency (MHz) | 706.5 | | 710.0 | 713.5 |
| 10M | QPSK | 1 | 0 | 23.93 | 23.97 | 23.95 | 0 | 5M | QPSK | 1 | 0 | 23.92 | 23.88 | 23.95 | 0 | | |
| | | 1 | 24 | 23.89 | 23.93 | 23.91 | 0 | | | 1 | 12 | 23.85 | 23.84 | 23.87 | 0 | | |
| | | 1 | 49 | 23.77 | 23.81 | 23.79 | 0 | | | 1 | 24 | 23.70 | 23.80 | 23.74 | 0 | | |
| | | 25 | 0 | 23.04 | 23.08 | 23.06 | 1 | | | 12 | 0 | 23.02 | 23.00 | 22.98 | 1 | | |
| | | 25 | 12 | 22.99 | 23.03 | 23.01 | 1 | | | 12 | 6 | 22.99 | 22.97 | 22.91 | 1 | | |
| | | 25 | 25 | 22.85 | 22.89 | 22.87 | 1 | | | 12 | 13 | 22.80 | 22.83 | 22.84 | 1 | | |
| | 16QAM | 50 | 0 | 22.89 | 22.93 | 22.91 | 1 | | 25 | 0 | 22.84 | 22.89 | 22.84 | 1 | | | |
| | | 1 | 0 | 23.17 | 23.21 | 23.19 | 1 | | 16QAM | 1 | 0 | 23.13 | 23.14 | 23.13 | 1 | | |
| | | 1 | 24 | 23.14 | 23.18 | 23.16 | 1 | | | 1 | 12 | 23.04 | 23.18 | 23.16 | 1 | | |
| | | 1 | 49 | 23.01 | 23.05 | 23.03 | 1 | | | 1 | 24 | 23.01 | 23.02 | 22.93 | 1 | | |
| | | 25 | 0 | 22.10 | 22.14 | 22.12 | 2 | | | 12 | 0 | 22.10 | 22.09 | 22.04 | 2 | | |
| | | 25 | 12 | 22.07 | 22.11 | 22.09 | 2 | | | 12 | 6 | 22.05 | 22.09 | 22.04 | 2 | | |
| | 25 | 25 | 21.99 | 22.03 | 22.01 | 2 | 12 | | | 13 | 21.97 | 21.98 | 22.01 | 2 | | | |
| | 64QAM | 50 | 0 | 22.02 | 22.06 | 22.04 | 2 | | 64QAM | 25 | 0 | 21.94 | 22.04 | 22.02 | 2 | | |
| | | 1 | 0 | 22.21 | 22.25 | 22.23 | 2 | | | 1 | 0 | 22.11 | 22.19 | 22.16 | 2 | | |
| | | 1 | 24 | 22.14 | 22.18 | 22.16 | 2 | | | 1 | 12 | 22.06 | 22.14 | 22.10 | 2 | | |
| | | 1 | 49 | 22.07 | 22.11 | 22.09 | 2 | | | 1 | 24 | 22.07 | 22.04 | 22.04 | 2 | | |
| | | 25 | 0 | 21.12 | 21.16 | 21.14 | 3 | | | 12 | 0 | 21.12 | 21.14 | 21.14 | 3 | | |
| | | 25 | 12 | 21.07 | 21.11 | 21.09 | 3 | | | 12 | 6 | 21.06 | 21.03 | 21.04 | 3 | | |
| | 25 | 25 | 20.98 | 21.02 | 21.00 | 3 | 12 | | 13 | 20.93 | 20.97 | 20.98 | 3 | | | | |
| | 50 | 0 | 21.04 | 21.08 | 21.06 | 3 | 25 | | 0 | 20.98 | 21.04 | 20.96 | 3 | | | | |

| LTE Band 17 | | | | | | | | | | | | | | | | | |
|---|-----------|---------|-----------|-----------------|-------|-------|---------------|----|-----------|---------|-----------|-------|-----------------|-------|---------------|-------|-------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 23780 | 23790 | | | | | | 23800 | Channel | 23755 | | 23790 | 23825 |
| | | | | Frequency (MHz) | 709.0 | 710.0 | | | | | | 711.0 | Frequency (MHz) | 706.5 | | 710.0 | 713.5 |
| 10M | QPSK | 1 | 0 | 19.43 | 19.40 | 19.36 | 0 | 5M | QPSK | 1 | 0 | 19.42 | 19.38 | 19.28 | 0 | | |
| | | 1 | 24 | 19.37 | 19.33 | 19.27 | 0 | | | 1 | 12 | 19.36 | 19.29 | 19.27 | 0 | | |
| | | 1 | 49 | 19.34 | 19.30 | 19.24 | 0 | | | 1 | 24 | 19.24 | 19.25 | 19.15 | 0 | | |
| | | 25 | 0 | 19.40 | 19.36 | 19.30 | 0 | | | 12 | 0 | 19.34 | 19.26 | 19.25 | 0 | | |
| | | 25 | 12 | 19.33 | 19.30 | 19.25 | 0 | | | 12 | 6 | 19.30 | 19.21 | 19.15 | 0 | | |
| | | 25 | 25 | 19.30 | 19.26 | 19.20 | 0 | | | 12 | 13 | 19.22 | 19.17 | 19.20 | 0 | | |
| | 16QAM | 50 | 0 | 19.42 | 19.39 | 19.34 | 0 | | 25 | 0 | 19.36 | 19.29 | 19.29 | 0 | | | |
| | | 1 | 0 | 19.39 | 19.38 | 19.36 | 0 | | 16QAM | 1 | 0 | 19.39 | 19.32 | 19.32 | 0 | | |
| | | 1 | 24 | 19.31 | 19.29 | 19.19 | 0 | | | 1 | 12 | 19.28 | 19.22 | 19.09 | 0 | | |
| | | 1 | 49 | 19.25 | 19.23 | 19.21 | 0 | | | 1 | 24 | 19.16 | 19.16 | 19.11 | 0 | | |
| | | 25 | 0 | 19.33 | 19.29 | 19.24 | 0 | | | 12 | 0 | 19.29 | 19.26 | 19.17 | 0 | | |
| | | 25 | 12 | 19.28 | 19.29 | 19.19 | 0 | | | 12 | 6 | 19.24 | 19.26 | 19.10 | 0 | | |
| | 25 | 25 | 19.21 | 19.18 | 19.12 | 0 | 12 | | | 13 | 19.15 | 19.15 | 19.06 | 0 | | | |
| | 64QAM | 50 | 0 | 19.40 | 19.33 | 19.28 | 0 | | 64QAM | 25 | 0 | 19.31 | 19.24 | 19.22 | 0 | | |
| | | 1 | 0 | 19.33 | 19.30 | 19.33 | 0 | | | 1 | 0 | 19.26 | 19.20 | 19.29 | 0 | | |
| | | 1 | 24 | 19.33 | 19.33 | 19.27 | 0 | | | 1 | 12 | 19.23 | 19.31 | 19.25 | 0 | | |
| | | 1 | 49 | 19.27 | 19.25 | 19.21 | 0 | | | 1 | 24 | 19.27 | 19.16 | 19.11 | 0 | | |
| | | 25 | 0 | 19.37 | 19.28 | 19.29 | 0 | | | 12 | 0 | 19.33 | 19.27 | 19.24 | 0 | | |
| | | 25 | 12 | 19.30 | 19.30 | 19.17 | 0 | | | 12 | 6 | 19.25 | 19.20 | 19.09 | 0 | | |
| | 25 | 25 | 19.30 | 19.23 | 19.15 | 0 | 12 | | 13 | 19.27 | 19.21 | 19.07 | 0 | | | | |
| | 50 | 0 | 19.41 | 19.32 | 19.24 | 0 | 25 | | 0 | 19.34 | 19.30 | 19.17 | 0 | | | | |

SAR Test Report

| LTE Band 25 | | | | | | | | | | | | | | | | | |
|--|-----------|---------|-----------|-----------------|--------|--------|---------------|-------|-----------|---------|-----------|--------|-----------------|--------|---------------|--------|--------|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 26140 | 26365 | | | | | | 26590 | Channel | 26115 | | 26365 | 26615 |
| | | | | Frequency (MHz) | 1860.0 | 1882.5 | | | | | | 1905.0 | Frequency (MHz) | 1857.5 | | 1882.5 | 1907.5 |
| 20M | QPSK | 1 | 0 | 23.15 | 23.31 | 23.68 | 0 | 15M | QPSK | 1 | 0 | 23.12 | 23.21 | 23.65 | 0 | | |
| | | 1 | 50 | 23.06 | 23.22 | 23.59 | 0 | | | 1 | 37 | 23.06 | 23.22 | 23.49 | 0 | | |
| | | 1 | 99 | 23.10 | 23.26 | 23.63 | 0 | | | 1 | 74 | 23.02 | 23.18 | 23.62 | 0 | | |
| | | 50 | 0 | 22.15 | 22.31 | 22.68 | 1 | | | 36 | 0 | 22.12 | 22.20 | 22.62 | 1 | | |
| | | 50 | 25 | 22.13 | 22.29 | 22.66 | 1 | | | 36 | 19 | 22.06 | 22.31 | 22.67 | 1 | | |
| | | 50 | 50 | 22.14 | 22.30 | 22.67 | 1 | | | 36 | 39 | 22.11 | 22.23 | 22.61 | 1 | | |
| | 100 | 0 | 22.10 | 22.26 | 22.63 | 1 | 75 | | 0 | 22.07 | 22.22 | 22.53 | 1 | | | | |
| | 16QAM | 1 | 0 | 22.35 | 22.51 | 22.88 | 1 | | 16QAM | 1 | 0 | 22.31 | 22.46 | 22.84 | 1 | | |
| | | 1 | 50 | 22.23 | 22.39 | 22.76 | 1 | | | 1 | 37 | 22.15 | 22.39 | 22.68 | 1 | | |
| | | 1 | 99 | 22.29 | 22.45 | 22.82 | 1 | | | 1 | 74 | 22.27 | 22.38 | 22.74 | 1 | | |
| | | 50 | 0 | 21.14 | 21.30 | 21.67 | 2 | | | 36 | 0 | 21.12 | 21.25 | 21.58 | 2 | | |
| | | 50 | 25 | 21.06 | 21.22 | 21.59 | 2 | | | 36 | 19 | 21.03 | 21.16 | 21.54 | 2 | | |
| | | 50 | 50 | 21.07 | 21.23 | 21.60 | 2 | | | 36 | 39 | 21.05 | 21.22 | 21.60 | 2 | | |
| | 100 | 0 | 21.15 | 21.31 | 21.68 | 2 | 75 | | 0 | 21.13 | 21.22 | 21.67 | 2 | | | | |
| | 64QAM | 1 | 0 | 21.22 | 21.38 | 21.75 | 2 | | 64QAM | 1 | 0 | 21.21 | 21.30 | 21.73 | 2 | | |
| | | 1 | 50 | 21.13 | 21.29 | 21.66 | 2 | | | 1 | 37 | 21.10 | 21.28 | 21.62 | 2 | | |
| | | 1 | 99 | 21.15 | 21.31 | 21.68 | 2 | | | 1 | 74 | 21.13 | 21.27 | 21.58 | 2 | | |
| | | 50 | 0 | 20.15 | 20.31 | 20.68 | 3 | | | 36 | 0 | 20.15 | 20.31 | 20.60 | 3 | | |
| | | 50 | 25 | 20.07 | 20.23 | 20.60 | 3 | | | 36 | 19 | 20.03 | 20.22 | 20.59 | 3 | | |
| | | 50 | 50 | 20.00 | 20.16 | 20.53 | 3 | | | 36 | 39 | 19.91 | 20.10 | 20.46 | 3 | | |
| | 100 | 0 | 20.08 | 20.24 | 20.61 | 3 | 75 | | 0 | 19.99 | 20.20 | 20.57 | 3 | | | | |
| | 10M | QPSK | 1 | 0 | 23.03 | 23.24 | 23.60 | | 0 | 5M | QPSK | 1 | 0 | 22.94 | 23.10 | 23.56 | 0 |
| | | | 1 | 24 | 22.87 | 23.15 | 23.50 | | 0 | | | 1 | 12 | 23.03 | 23.15 | 23.52 | 0 |
| | | | 1 | 49 | 23.06 | 23.08 | 23.60 | | 0 | | | 1 | 24 | 22.97 | 23.08 | 23.54 | 0 |
| 25 | | | 0 | 22.03 | 22.10 | 22.50 | 1 | 12 | 0 | | | 21.91 | 22.14 | 22.30 | 1 | | |
| 25 | | | 12 | 22.01 | 22.16 | 22.45 | 1 | 12 | 6 | | | 21.93 | 22.08 | 22.58 | 1 | | |
| 25 | | | 25 | 22.05 | 22.08 | 22.48 | 1 | 12 | 13 | | | 22.10 | 22.14 | 22.44 | 1 | | |
| 50 | | 0 | 22.08 | 22.25 | 22.62 | 1 | 25 | 0 | 22.05 | | 22.25 | 22.43 | 1 | | | | |
| 16QAM | | 1 | 0 | 22.21 | 22.30 | 22.64 | 1 | 16QAM | 1 | | 0 | 22.18 | 22.43 | 22.79 | 1 | | |
| | | 1 | 24 | 22.19 | 22.35 | 22.61 | 1 | | 1 | | 12 | 22.09 | 22.28 | 22.69 | 1 | | |
| | | 1 | 49 | 22.14 | 22.24 | 22.61 | 1 | | 1 | | 24 | 22.27 | 22.32 | 22.78 | 1 | | |
| | | 25 | 0 | 20.95 | 21.06 | 21.58 | 2 | | 12 | | 0 | 21.00 | 21.25 | 21.54 | 2 | | |
| | | 25 | 12 | 21.00 | 21.17 | 21.49 | 2 | | 12 | | 6 | 20.95 | 21.07 | 21.49 | 2 | | |
| | | 25 | 25 | 20.88 | 21.02 | 21.56 | 2 | | 12 | | 13 | 20.86 | 21.17 | 21.47 | 2 | | |
| 50 | | 0 | 21.00 | 21.09 | 21.59 | 2 | 25 | 0 | 21.11 | | 21.08 | 21.61 | 2 | | | | |
| 64QAM | | 1 | 0 | 21.12 | 21.22 | 21.65 | 2 | 64QAM | 1 | | 0 | 21.10 | 21.14 | 21.66 | 2 | | |
| | | 1 | 24 | 20.99 | 21.24 | 21.50 | 2 | | 1 | | 12 | 20.98 | 21.24 | 21.58 | 2 | | |
| | | 1 | 49 | 21.10 | 21.23 | 21.59 | 2 | | 1 | | 24 | 21.05 | 21.26 | 21.61 | 2 | | |
| | | 25 | 0 | 20.10 | 20.15 | 20.53 | 3 | | 12 | | 0 | 19.98 | 20.21 | 20.63 | 3 | | |
| | | 25 | 12 | 19.95 | 20.14 | 20.55 | 3 | | 12 | | 6 | 19.97 | 20.17 | 20.45 | 3 | | |
| | | 25 | 25 | 19.83 | 19.95 | 20.36 | 3 | | 12 | | 13 | 19.91 | 19.95 | 20.43 | 3 | | |
| 50 | | 0 | 19.91 | 20.10 | 20.42 | 3 | 25 | 0 | 20.02 | | 20.13 | 20.49 | 3 | | | | |
| 3M | | QPSK | 1 | 0 | 23.00 | 23.12 | 23.51 | 0 | 1.4M | | QPSK | 1 | 0 | 22.99 | 23.22 | 23.50 | 0 |
| | | | 1 | 7 | 22.96 | 23.16 | 23.40 | 0 | | | | 1 | 2 | 22.90 | 23.01 | 23.49 | 0 |
| | | | 1 | 14 | 23.06 | 23.14 | 23.57 | 0 | | | | 1 | 5 | 23.05 | 23.15 | 23.42 | 0 |
| | 8 | | 0 | 22.04 | 22.27 | 22.51 | 1 | 3 | | 0 | | 23.02 | 23.19 | 23.48 | 0 | | |
| | 8 | | 3 | 22.05 | 22.31 | 22.49 | 1 | 3 | | 1 | | 23.00 | 23.17 | 23.51 | 0 | | |
| | 8 | | 7 | 22.02 | 22.20 | 22.48 | 1 | 3 | | 3 | | 23.07 | 23.25 | 23.42 | 0 | | |
| | 15 | 0 | 22.03 | 22.21 | 22.61 | 1 | 6 | 0 | | 22.05 | 22.12 | 22.51 | 1 | | | | |
| | 16QAM | 1 | 0 | 22.25 | 22.38 | 22.75 | 1 | 16QAM | | 1 | 0 | 22.11 | 22.37 | 22.74 | 1 | | |
| | | 1 | 7 | 22.18 | 22.31 | 22.69 | 1 | | | 1 | 2 | 22.04 | 22.17 | 22.65 | 1 | | |
| | | 1 | 14 | 22.20 | 22.21 | 22.82 | 1 | | | 1 | 5 | 22.14 | 22.39 | 22.77 | 1 | | |
| | | 8 | 0 | 21.05 | 21.16 | 21.50 | 2 | | | 3 | 0 | 22.00 | 22.27 | 22.64 | 1 | | |
| | | 8 | 3 | 20.88 | 21.03 | 21.42 | 2 | | | 3 | 1 | 21.84 | 22.02 | 22.49 | 1 | | |
| | | 8 | 7 | 20.93 | 21.08 | 21.52 | 2 | | | 3 | 3 | 22.03 | 22.19 | 22.54 | 1 | | |
| | 15 | 0 | 21.09 | 21.18 | 21.52 | 2 | 6 | 0 | | 21.02 | 21.29 | 21.55 | 2 | | | | |
| | 64QAM | 1 | 0 | 21.17 | 21.25 | 21.60 | 2 | 64QAM | | 1 | 0 | 21.01 | 21.19 | 21.59 | 2 | | |
| | | 1 | 7 | 20.97 | 21.20 | 21.60 | 2 | | | 1 | 2 | 21.08 | 21.26 | 21.58 | 2 | | |
| | | 1 | 14 | 21.08 | 21.25 | 21.46 | 2 | | | 1 | 5 | 21.09 | 21.20 | 21.59 | 2 | | |
| | | 8 | 0 | 20.06 | 20.15 | 20.61 | 3 | | | 3 | 0 | 21.00 | 21.19 | 21.47 | 2 | | |
| | | 8 | 3 | 19.87 | 20.17 | 20.50 | 3 | | | 3 | 1 | 20.93 | 21.03 | 21.40 | 2 | | |
| | | 8 | 7 | 19.85 | 19.97 | 20.43 | 3 | | | 3 | 3 | 20.94 | 20.96 | 21.41 | 2 | | |
| | 15 | 0 | 19.94 | 20.03 | 20.49 | 3 | 6 | 0 | | 19.89 | 20.12 | 20.51 | 3 | | | | |



SAR Test Report

| LTE Band 25 | | | | | | | | | | | | | | | | | |
|---|-----------|---------|-----------|-----------------|--------|--------|---------------|-------|-----------|---------|-----------|--------|-----------------|--------|---------------|--------|--------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 26140 | 26365 | | | | | | 26590 | Channel | 26115 | | 26365 | 26615 |
| | | | | Frequency (MHz) | 1860.0 | 1882.5 | | | | | | 1905.0 | Frequency (MHz) | 1857.5 | | 1882.5 | 1907.5 |
| 20M | QPSK | 1 | 0 | 15.38 | 15.46 | 15.50 | 0 | 15M | QPSK | 1 | 0 | 15.30 | 15.36 | 15.43 | 0 | | |
| | | 1 | 50 | 15.35 | 15.43 | 15.46 | 0 | | | 1 | 37 | 15.32 | 15.38 | 15.37 | 0 | | |
| | | 1 | 99 | 15.32 | 15.43 | 15.48 | 0 | | | 1 | 74 | 15.28 | 15.33 | 15.43 | 0 | | |
| | | 50 | 0 | 15.30 | 15.40 | 15.45 | 0 | | | 36 | 0 | 15.26 | 15.40 | 15.35 | 0 | | |
| | | 50 | 25 | 15.26 | 15.37 | 15.42 | 0 | | | 36 | 19 | 15.19 | 15.28 | 15.38 | 0 | | |
| | | 50 | 50 | 15.22 | 15.35 | 15.40 | 0 | | | 36 | 39 | 15.14 | 15.29 | 15.31 | 0 | | |
| | 100 | 0 | 15.31 | 15.42 | 15.45 | 0 | 75 | | 0 | 15.31 | 15.41 | 15.38 | 0 | | | | |
| | 16QAM | 1 | 0 | 15.35 | 15.41 | 15.43 | 0 | | 1 | 0 | 15.31 | 15.40 | 15.35 | 0 | | | |
| | | 1 | 50 | 15.28 | 15.41 | 15.39 | 0 | | 1 | 37 | 15.24 | 15.33 | 15.38 | 0 | | | |
| | | 1 | 99 | 15.32 | 15.39 | 15.39 | 0 | | 1 | 74 | 15.29 | 15.37 | 15.31 | 0 | | | |
| | | 50 | 0 | 15.30 | 15.34 | 15.44 | 0 | | 36 | 0 | 15.30 | 15.32 | 15.42 | 0 | | | |
| | | 50 | 25 | 15.16 | 15.30 | 15.34 | 0 | | 36 | 19 | 15.10 | 15.22 | 15.27 | 0 | | | |
| | | 50 | 50 | 15.17 | 15.32 | 15.38 | 0 | | 36 | 39 | 15.07 | 15.31 | 15.33 | 0 | | | |
| | 100 | 0 | 15.21 | 15.40 | 15.38 | 0 | 75 | | 0 | 15.15 | 15.35 | 15.36 | 0 | | | | |
| | 64QAM | 1 | 0 | 15.34 | 15.42 | 15.43 | 0 | | 1 | 0 | 15.27 | 15.33 | 15.40 | 0 | | | |
| | | 1 | 50 | 15.33 | 15.35 | 15.43 | 0 | | 1 | 37 | 15.24 | 15.31 | 15.37 | 0 | | | |
| | | 1 | 99 | 15.31 | 15.41 | 15.45 | 0 | | 1 | 74 | 15.22 | 15.31 | 15.36 | 0 | | | |
| | | 50 | 0 | 15.22 | 15.37 | 15.36 | 0 | | 36 | 0 | 15.15 | 15.37 | 15.32 | 0 | | | |
| 50 | | 25 | 15.16 | 15.35 | 15.41 | 0 | 36 | 19 | 15.08 | 15.29 | 15.41 | 0 | | | | | |
| 50 | | 50 | 15.16 | 15.30 | 15.30 | 0 | 36 | 39 | 15.11 | 15.24 | 15.25 | 0 | | | | | |
| 100 | 0 | 15.21 | 15.38 | 15.38 | 0 | 75 | 0 | 15.19 | 15.37 | 15.30 | 0 | | | | | | |
| 10M | QPSK | 1 | 0 | 15.33 | 15.23 | 15.38 | 0 | 5M | QPSK | 1 | 0 | 15.31 | 15.35 | 15.18 | 0 | | |
| | | 1 | 24 | 15.29 | 15.32 | 15.21 | 0 | | | 1 | 12 | 15.22 | 15.32 | 15.26 | 0 | | |
| | | 1 | 49 | 15.14 | 15.33 | 15.37 | 0 | | | 1 | 24 | 15.19 | 15.33 | 15.26 | 0 | | |
| | | 25 | 0 | 15.18 | 15.38 | 15.41 | 0 | | | 12 | 0 | 15.24 | 15.24 | 15.22 | 0 | | |
| | | 25 | 12 | 15.13 | 15.25 | 15.29 | 0 | | | 12 | 6 | 15.20 | 15.18 | 15.20 | 0 | | |
| | | 25 | 25 | 15.09 | 15.19 | 15.32 | 0 | | | 12 | 13 | 15.04 | 15.30 | 15.33 | 0 | | |
| | 50 | 0 | 15.29 | 15.34 | 15.38 | 0 | 25 | | 0 | 15.13 | 15.34 | 15.31 | 0 | | | | |
| | 16QAM | 1 | 0 | 15.29 | 15.31 | 15.32 | 0 | | 1 | 0 | 15.32 | 15.27 | 15.27 | 0 | | | |
| | | 1 | 24 | 15.04 | 15.24 | 15.23 | 0 | | 1 | 12 | 15.18 | 15.26 | 15.28 | 0 | | | |
| | | 1 | 49 | 15.17 | 15.28 | 15.19 | 0 | | 1 | 24 | 15.18 | 15.15 | 15.23 | 0 | | | |
| | | 25 | 0 | 15.10 | 15.10 | 15.20 | 0 | | 12 | 0 | 15.19 | 15.18 | 15.28 | 0 | | | |
| | | 25 | 12 | 15.08 | 15.14 | 15.16 | 0 | | 12 | 6 | 15.00 | 15.25 | 15.17 | 0 | | | |
| | | 25 | 25 | 15.11 | 15.25 | 15.24 | 0 | | 12 | 13 | 14.95 | 15.18 | 15.32 | 0 | | | |
| | 50 | 0 | 15.07 | 15.25 | 15.16 | 0 | 25 | | 0 | 15.04 | 15.25 | 15.25 | 0 | | | | |
| | 64QAM | 1 | 0 | 15.17 | 15.23 | 15.30 | 0 | | 1 | 0 | 15.17 | 15.26 | 15.27 | 0 | | | |
| | | 1 | 24 | 15.27 | 15.22 | 15.28 | 0 | | 1 | 12 | 15.19 | 15.30 | 15.32 | 0 | | | |
| | | 1 | 49 | 15.08 | 15.28 | 15.41 | 0 | | 1 | 24 | 15.21 | 15.29 | 15.26 | 0 | | | |
| | | 25 | 0 | 15.14 | 15.19 | 15.24 | 0 | | 12 | 0 | 15.02 | 15.23 | 15.24 | 0 | | | |
| 25 | | 12 | 15.04 | 15.22 | 15.18 | 0 | 12 | 6 | 15.06 | 15.28 | 15.31 | 0 | | | | | |
| 25 | | 25 | 15.12 | 15.20 | 15.20 | 0 | 12 | 13 | 15.16 | 15.19 | 15.29 | 0 | | | | | |
| 50 | 0 | 15.00 | 15.18 | 15.31 | 0 | 25 | 0 | 15.17 | 15.28 | 15.26 | 0 | | | | | | |
| 3M | QPSK | 1 | 0 | 15.20 | 15.33 | 15.46 | 0 | 1.4M | QPSK | 1 | 0 | 15.22 | 15.26 | 15.48 | 0 | | |
| | | 1 | 7 | 15.17 | 15.30 | 15.36 | 0 | | | 1 | 2 | 15.20 | 15.43 | 15.35 | 0 | | |
| | | 1 | 14 | 15.18 | 15.25 | 15.30 | 0 | | | 1 | 5 | 15.13 | 15.27 | 15.40 | 0 | | |
| | | 8 | 0 | 15.07 | 15.20 | 15.39 | 0 | | | 3 | 0 | 15.25 | 15.33 | 15.30 | 0 | | |
| | | 8 | 3 | 15.13 | 15.28 | 15.23 | 0 | | | 3 | 1 | 15.11 | 15.22 | 15.26 | 0 | | |
| | | 8 | 7 | 15.09 | 15.16 | 15.26 | 0 | | | 3 | 3 | 15.15 | 15.12 | 15.22 | 0 | | |
| | 15 | 0 | 15.11 | 15.32 | 15.27 | 0 | 6 | | 0 | 15.26 | 15.42 | 15.38 | 0 | | | | |
| | 16QAM | 1 | 0 | 15.24 | 15.24 | 15.38 | 0 | | 1 | 0 | 15.18 | 15.25 | 15.24 | 0 | | | |
| | | 1 | 7 | 15.23 | 15.31 | 15.21 | 0 | | 1 | 2 | 15.11 | 15.32 | 15.17 | 0 | | | |
| | | 1 | 14 | 15.14 | 15.23 | 15.26 | 0 | | 1 | 5 | 15.17 | 15.31 | 15.16 | 0 | | | |
| | | 8 | 0 | 15.21 | 15.15 | 15.34 | 0 | | 3 | 0 | 15.13 | 15.21 | 15.32 | 0 | | | |
| | | 8 | 3 | 15.03 | 15.09 | 15.17 | 0 | | 3 | 1 | 15.06 | 15.17 | 15.22 | 0 | | | |
| | | 8 | 7 | 15.05 | 15.08 | 15.24 | 0 | | 3 | 3 | 14.99 | 15.32 | 15.26 | 0 | | | |
| | 15 | 0 | 15.12 | 15.37 | 15.27 | 0 | 6 | | 0 | 15.19 | 15.26 | 15.31 | 0 | | | | |
| | 64QAM | 1 | 0 | 15.27 | 15.33 | 15.29 | 0 | | 1 | 0 | 15.31 | 15.35 | 15.25 | 0 | | | |
| | | 1 | 7 | 15.22 | 15.24 | 15.25 | 0 | | 1 | 2 | 15.14 | 15.16 | 15.36 | 0 | | | |
| | | 1 | 14 | 15.24 | 15.33 | 15.36 | 0 | | 1 | 5 | 15.17 | 15.35 | 15.37 | 0 | | | |
| | | 8 | 0 | 15.07 | 15.21 | 15.21 | 0 | | 3 | 0 | 15.14 | 15.15 | 15.24 | 0 | | | |
| 8 | | 3 | 15.03 | 15.12 | 15.34 | 0 | 3 | 1 | 15.04 | 15.31 | 15.38 | 0 | | | | | |
| 8 | | 7 | 14.99 | 15.16 | 15.17 | 0 | 3 | 3 | 15.08 | 15.16 | 15.16 | 0 | | | | | |
| 15 | 0 | 14.98 | 15.22 | 15.24 | 0 | 6 | 0 | 15.06 | 15.28 | 15.30 | 0 | | | | | | |

SAR Test Report

LTE Band 26

EUT without Power Reduction (P-Sensor NOT Triggered)

| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
|-------|-----------|---------|-----------|-----------------|-------|-------|---------------|-------|-----------|---------|-----------|-------|-------|-------|---------------|-------|---|
| | | | | Channel | 26765 | 26865 | | | | | | 26965 | 26740 | 26865 | | 26990 | |
| | | | | Frequency (MHz) | 821.5 | 831.5 | | | | | | 841.5 | 819.0 | 831.5 | | 844.0 | |
| 15M | QPSK | 1 | 0 | 23.46 | 23.51 | 23.57 | 0 | 10M | QPSK | 1 | 0 | 23.40 | 23.45 | 23.53 | 0 | | |
| | | 1 | 37 | 23.42 | 23.47 | 23.53 | 0 | | | 1 | 24 | 23.40 | 23.39 | 23.45 | 0 | | |
| | | 1 | 74 | 23.36 | 23.41 | 23.47 | 0 | | | 1 | 49 | 23.32 | 23.31 | 23.46 | 0 | | |
| | | 36 | 0 | 22.37 | 22.42 | 22.48 | 1 | | | 25 | 0 | 22.28 | 22.37 | 22.47 | 1 | | |
| | | 36 | 19 | 22.36 | 22.41 | 22.46 | 1 | | | 25 | 12 | 22.34 | 22.32 | 22.48 | 1 | | |
| | | 36 | 39 | 22.33 | 22.38 | 22.44 | 1 | | | 25 | 25 | 22.33 | 22.37 | 22.43 | 1 | | |
| | | 75 | 0 | 22.29 | 22.34 | 22.40 | 1 | | | 50 | 0 | 22.24 | 22.33 | 22.39 | 1 | | |
| | 16QAM | 1 | 0 | 22.77 | 22.82 | 22.88 | 1 | | 16QAM | 1 | 0 | 22.67 | 22.80 | 22.84 | 1 | | |
| | | 1 | 37 | 22.74 | 22.79 | 22.85 | 1 | | | 1 | 24 | 22.65 | 22.79 | 22.84 | 1 | | |
| | | 1 | 74 | 22.70 | 22.75 | 22.81 | 1 | | | 1 | 49 | 22.66 | 22.65 | 22.75 | 1 | | |
| | | 36 | 0 | 21.45 | 21.50 | 21.56 | 2 | | | 25 | 0 | 21.35 | 21.47 | 21.48 | 2 | | |
| | | 36 | 19 | 21.47 | 21.52 | 21.58 | 2 | | | 25 | 12 | 21.42 | 21.51 | 21.50 | 2 | | |
| | | 36 | 39 | 21.44 | 21.49 | 21.55 | 2 | | | 25 | 25 | 21.41 | 21.44 | 21.45 | 2 | | |
| | | 75 | 0 | 21.37 | 21.42 | 21.48 | 2 | | | 50 | 0 | 21.32 | 21.35 | 21.42 | 2 | | |
| | 64QAM | 1 | 0 | 21.76 | 21.81 | 21.87 | 2 | | 64QAM | 1 | 0 | 21.67 | 21.74 | 21.81 | 2 | | |
| | | 1 | 37 | 21.70 | 21.75 | 21.81 | 2 | | | 1 | 24 | 21.60 | 21.74 | 21.81 | 2 | | |
| | | 1 | 74 | 21.60 | 21.65 | 21.71 | 2 | | | 1 | 49 | 21.52 | 21.56 | 21.71 | 2 | | |
| | | 36 | 0 | 20.47 | 20.52 | 20.58 | 3 | | | 25 | 0 | 20.37 | 20.43 | 20.57 | 3 | | |
| | | 36 | 19 | 20.40 | 20.45 | 20.51 | 3 | | | 25 | 12 | 20.38 | 20.40 | 20.50 | 3 | | |
| | | 36 | 39 | 20.42 | 20.47 | 20.53 | 3 | | | 25 | 25 | 20.38 | 20.43 | 20.52 | 3 | | |
| | | 75 | 0 | 20.43 | 20.48 | 20.54 | 3 | | | 50 | 0 | 20.39 | 20.47 | 20.49 | 3 | | |
| | 5M | QPSK | 1 | 0 | 23.33 | 23.39 | 23.49 | | 0 | 3M | QPSK | 1 | 0 | 23.35 | 23.32 | 23.31 | 0 |
| | | | 1 | 12 | 23.21 | 23.41 | 23.39 | | 0 | | | 1 | 7 | 23.24 | 23.31 | 23.26 | 0 |
| | | | 1 | 24 | 23.22 | 23.23 | 23.40 | | 0 | | | 1 | 14 | 23.29 | 23.32 | 23.33 | 0 |
| 12 | | | 0 | 22.19 | 22.31 | 22.36 | 1 | 8 | 0 | | | 22.26 | 22.35 | 22.32 | 1 | | |
| 12 | | | 6 | 22.28 | 22.23 | 22.35 | 1 | 8 | 3 | | | 22.20 | 22.29 | 22.26 | 1 | | |
| 12 | | | 13 | 22.26 | 22.31 | 22.44 | 1 | 8 | 7 | | | 22.25 | 22.30 | 22.37 | 1 | | |
| 25 | | | 0 | 22.24 | 22.24 | 22.30 | 1 | 15 | 0 | | | 22.21 | 22.24 | 22.12 | 1 | | |
| 16QAM | | 1 | 0 | 22.62 | 22.63 | 22.83 | 1 | 16QAM | 1 | | 0 | 22.63 | 22.69 | 22.76 | 1 | | |
| | | 1 | 12 | 22.52 | 22.76 | 22.65 | 1 | | 1 | | 7 | 22.51 | 22.55 | 22.75 | 1 | | |
| | | 1 | 24 | 22.56 | 22.70 | 22.69 | 1 | | 1 | | 14 | 22.59 | 22.58 | 22.71 | 1 | | |
| | | 12 | 0 | 21.24 | 21.48 | 21.52 | 2 | | 8 | | 0 | 21.34 | 21.38 | 21.50 | 2 | | |
| | | 12 | 6 | 21.35 | 21.39 | 21.44 | 2 | | 8 | | 3 | 21.26 | 21.37 | 21.40 | 2 | | |
| | | 12 | 13 | 21.27 | 21.41 | 21.48 | 2 | | 8 | | 7 | 21.38 | 21.33 | 21.34 | 2 | | |
| | | 25 | 0 | 21.30 | 21.39 | 21.30 | 2 | | 15 | | 0 | 21.21 | 21.28 | 21.39 | 2 | | |
| 64QAM | | 1 | 0 | 21.62 | 21.62 | 21.65 | 2 | 64QAM | 1 | | 0 | 21.56 | 21.75 | 21.72 | 2 | | |
| | | 1 | 12 | 21.51 | 21.63 | 21.58 | 2 | | 1 | | 7 | 21.53 | 21.71 | 21.69 | 2 | | |
| | | 1 | 24 | 21.54 | 21.54 | 21.59 | 2 | | 1 | | 14 | 21.44 | 21.55 | 21.48 | 2 | | |
| | | 12 | 0 | 20.27 | 20.41 | 20.37 | 3 | | 8 | | 0 | 20.31 | 20.50 | 20.47 | 3 | | |
| | | 12 | 6 | 20.29 | 20.32 | 20.39 | 3 | | 8 | | 3 | 20.32 | 20.39 | 20.32 | 3 | | |
| | | 12 | 13 | 20.26 | 20.39 | 20.52 | 3 | | 8 | | 7 | 20.22 | 20.34 | 20.38 | 3 | | |
| | | 25 | 0 | 20.34 | 20.42 | 20.37 | 3 | | 15 | | 0 | 20.29 | 20.42 | 20.46 | 3 | | |
| 1.4M | | QPSK | 1 | 0 | 23.28 | 23.39 | 23.43 | 0 | 1.4M | | QPSK | 1 | 0 | 23.28 | 23.39 | 23.43 | 0 |
| | | | 1 | 2 | 23.36 | 23.34 | 23.38 | 0 | | | | 1 | 2 | 23.36 | 23.34 | 23.38 | 0 |
| | | | 1 | 5 | 23.28 | 23.39 | 23.37 | 0 | | | | 1 | 5 | 23.28 | 23.39 | 23.37 | 0 |
| | 3 | | 0 | 23.25 | 23.28 | 23.31 | 0 | 3 | | 0 | | 23.25 | 23.28 | 23.31 | 0 | | |
| | 3 | | 1 | 23.23 | 23.28 | 23.28 | 0 | 3 | | 1 | | 23.23 | 23.28 | 23.28 | 0 | | |
| | 3 | | 3 | 23.24 | 23.18 | 23.27 | 0 | 3 | | 3 | | 23.24 | 23.18 | 23.27 | 0 | | |
| | 16QAM | 6 | 0 | 22.24 | 22.27 | 22.22 | 1 | 16QAM | | 1 | 0 | 22.68 | 22.64 | 22.79 | 1 | | |
| | | 1 | 0 | 22.68 | 22.64 | 22.79 | 1 | | | 1 | 2 | 22.71 | 22.72 | 22.65 | 1 | | |
| | | 1 | 2 | 22.71 | 22.72 | 22.65 | 1 | | | 1 | 5 | 22.64 | 22.57 | 22.72 | 1 | | |
| | | 3 | 0 | 22.31 | 22.30 | 22.37 | 1 | | | 3 | 0 | 22.31 | 22.30 | 22.37 | 1 | | |
| | | 3 | 1 | 22.32 | 22.39 | 22.45 | 1 | | | 3 | 1 | 22.32 | 22.39 | 22.45 | 1 | | |
| | | 3 | 3 | 22.39 | 22.26 | 22.53 | 1 | | | 3 | 3 | 22.39 | 22.26 | 22.53 | 1 | | |
| | 64QAM | 6 | 0 | 21.14 | 21.21 | 21.41 | 2 | 64QAM | | 1 | 0 | 21.63 | 21.68 | 21.81 | 2 | | |
| | | 1 | 0 | 21.63 | 21.68 | 21.81 | 2 | | | 1 | 2 | 21.62 | 21.58 | 21.71 | 2 | | |
| | | 1 | 2 | 21.62 | 21.58 | 21.71 | 2 | | | 1 | 5 | 21.44 | 21.59 | 21.60 | 2 | | |
| | | 3 | 0 | 21.27 | 21.34 | 21.46 | 2 | | | 3 | 0 | 21.27 | 21.34 | 21.46 | 2 | | |
| | | 3 | 1 | 21.19 | 21.24 | 21.32 | 2 | | | 3 | 1 | 21.19 | 21.24 | 21.32 | 2 | | |
| | | 3 | 3 | 21.32 | 21.35 | 21.37 | 2 | | | 3 | 3 | 21.32 | 21.35 | 21.37 | 2 | | |
| | 6 | 0 | 20.26 | 20.32 | 20.42 | 3 | 6 | 0 | | 20.26 | 20.32 | 20.42 | 3 | | | | |



SAR Test Report

| LTE Band 26 | | | | | | | | | | | | | | | | | |
|---|-----------|---------|-----------|-----------------|-------|-------|---------------|-------|-----------|---------|-----------|-------|-----------------|-------|---------------|-------|-------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 26765 | 26865 | | | | | | 26965 | Channel | 26740 | | 26865 | 26990 |
| | | | | Frequency (MHz) | 821.5 | 831.5 | | | | | | 841.5 | Frequency (MHz) | 819.0 | | 831.5 | 844.0 |
| 15M | QPSK | 1 | 0 | 18.89 | 18.82 | 18.76 | 0 | 10M | QPSK | 1 | 0 | 18.81 | 18.79 | 18.75 | 0 | | |
| | | 1 | 37 | 18.78 | 18.70 | 18.65 | 0 | | | 1 | 24 | 18.68 | 18.64 | 18.60 | 0 | | |
| | | 1 | 74 | 18.68 | 18.62 | 18.55 | 0 | | | 1 | 49 | 18.65 | 18.61 | 18.51 | 0 | | |
| | | 36 | 0 | 18.74 | 18.69 | 18.60 | 0 | | | 25 | 0 | 18.72 | 18.59 | 18.57 | 0 | | |
| | | 36 | 19 | 18.73 | 18.65 | 18.56 | 0 | | | 25 | 12 | 18.67 | 18.62 | 18.56 | 0 | | |
| | | 36 | 39 | 18.69 | 18.61 | 18.52 | 0 | | | 25 | 25 | 18.62 | 18.56 | 18.48 | 0 | | |
| | | 75 | 0 | 18.73 | 18.65 | 18.58 | 0 | | | 50 | 0 | 18.69 | 18.57 | 18.57 | 0 | | |
| | | 16QAM | 1 | 0 | 18.85 | 18.81 | 18.67 | | | 0 | 16QAM | 1 | 0 | 18.80 | 18.78 | 18.62 | 0 |
| | 1 | | 37 | 18.73 | 18.69 | 18.61 | 0 | | 1 | 24 | | 18.68 | 18.69 | 18.52 | 0 | | |
| | 1 | | 74 | 18.63 | 18.62 | 18.53 | 0 | | 1 | 49 | | 18.63 | 18.61 | 18.48 | 0 | | |
| | 36 | | 0 | 18.73 | 18.60 | 18.59 | 0 | | 25 | 0 | | 18.72 | 18.53 | 18.58 | 0 | | |
| | 36 | | 19 | 18.70 | 18.63 | 18.56 | 0 | | 25 | 12 | | 18.65 | 18.53 | 18.46 | 0 | | |
| | 36 | | 39 | 18.66 | 18.54 | 18.46 | 0 | | 25 | 25 | | 18.61 | 18.49 | 18.46 | 0 | | |
| | 75 | | 0 | 18.71 | 18.62 | 18.54 | 0 | | 50 | 0 | | 18.61 | 18.54 | 18.46 | 0 | | |
| | 64QAM | | 1 | 0 | 18.79 | 18.75 | 18.73 | | 0 | 64QAM | | 1 | 0 | 18.75 | 18.69 | 18.68 | 0 |
| | | 1 | 37 | 18.74 | 18.69 | 18.57 | 0 | | 1 | | 24 | 18.68 | 18.60 | 18.56 | 0 | | |
| | | 1 | 74 | 18.60 | 18.53 | 18.45 | 0 | | 1 | | 49 | 18.57 | 18.43 | 18.41 | 0 | | |
| | | 36 | 0 | 18.71 | 18.62 | 18.60 | 0 | | 25 | | 0 | 18.67 | 18.62 | 18.57 | 0 | | |
| | | 36 | 19 | 18.65 | 18.63 | 18.49 | 0 | | 25 | | 12 | 18.56 | 18.63 | 18.41 | 0 | | |
| | | 36 | 39 | 18.66 | 18.59 | 18.46 | 0 | | 25 | | 25 | 18.59 | 18.56 | 18.46 | 0 | | |
| | | 75 | 0 | 18.69 | 18.56 | 18.52 | 0 | | 50 | | 0 | 18.61 | 18.51 | 18.50 | 0 | | |
| | | 5M | QPSK | 1 | 0 | 18.75 | 18.67 | | 18.58 | | 0 | 3M | QPSK | 1 | 0 | 18.79 | 18.81 |
| | 1 | | | 12 | 18.63 | 18.60 | 18.57 | | 0 | 1 | 7 | | | 18.58 | 18.62 | 18.38 | 0 |
| | 1 | | | 24 | 18.54 | 18.60 | 18.43 | | 0 | 1 | 14 | | | 18.66 | 18.54 | 18.43 | 0 |
| 12 | 0 | | | 18.59 | 18.58 | 18.42 | 0 | 8 | 0 | 18.67 | 18.49 | | | 18.43 | 0 | | |
| 12 | 6 | | | 18.55 | 18.43 | 18.47 | 0 | 8 | 3 | 18.58 | 18.43 | | | 18.50 | 0 | | |
| 12 | 13 | | | 18.53 | 18.53 | 18.30 | 0 | 8 | 7 | 18.58 | 18.56 | | | 18.36 | 0 | | |
| 25 | 0 | | | 18.60 | 18.58 | 18.43 | 0 | 15 | 0 | 18.60 | 18.62 | | | 18.40 | 0 | | |
| 16QAM | 1 | | | 0 | 18.77 | 18.70 | 18.63 | 0 | 16QAM | 1 | 0 | | | 18.67 | 18.62 | 18.47 | 0 |
| | 1 | | 12 | 18.52 | 18.67 | 18.49 | 0 | 1 | | 7 | 18.61 | | 18.59 | 18.39 | 0 | | |
| | 1 | | 24 | 18.47 | 18.40 | 18.42 | 0 | 1 | | 14 | 18.45 | | 18.50 | 18.30 | 0 | | |
| | 12 | | 0 | 18.58 | 18.46 | 18.37 | 0 | 8 | | 0 | 18.59 | | 18.48 | 18.40 | 0 | | |
| | 12 | | 6 | 18.55 | 18.58 | 18.35 | 0 | 8 | | 3 | 18.61 | | 18.50 | 18.54 | 0 | | |
| | 12 | | 13 | 18.60 | 18.47 | 18.36 | 0 | 8 | | 7 | 18.43 | | 18.50 | 18.35 | 0 | | |
| | 25 | | 0 | 18.53 | 18.58 | 18.45 | 0 | 15 | | 0 | 18.64 | | 18.44 | 18.37 | 0 | | |
| | 64QAM | | 1 | 0 | 18.64 | 18.62 | 18.62 | 0 | | 64QAM | 1 | | 0 | 18.71 | 18.67 | 18.51 | 0 |
| 1 | | | 12 | 18.55 | 18.47 | 18.54 | 0 | 1 | 7 | | 18.54 | | 18.56 | 18.51 | 0 | | |
| 1 | | | 24 | 18.43 | 18.46 | 18.40 | 0 | 1 | 14 | | 18.41 | | 18.32 | 18.23 | 0 | | |
| 12 | | | 0 | 18.60 | 18.47 | 18.53 | 0 | 8 | 0 | | 18.52 | | 18.47 | 18.35 | 0 | | |
| 12 | | | 6 | 18.49 | 18.42 | 18.32 | 0 | 8 | 3 | | 18.45 | | 18.60 | 18.29 | 0 | | |
| 12 | | | 13 | 18.50 | 18.45 | 18.29 | 0 | 8 | 7 | | 18.56 | | 18.41 | 18.36 | 0 | | |
| 25 | | | 0 | 18.66 | 18.33 | 18.40 | 0 | 15 | 0 | | 18.59 | | 18.35 | 18.39 | 0 | | |
| 1.4M | | | QPSK | 1 | 0 | 18.74 | 18.80 | 18.57 | 0 | | 1.4M | | QPSK | 1 | 0 | 18.74 | 18.80 |
| | 1 | | | 2 | 18.74 | 18.54 | 18.54 | 0 | 1 | 2 | | | | 18.69 | 18.49 | 18.40 | 0 |
| | 1 | | | 5 | 18.55 | 18.54 | 18.42 | 0 | 1 | 5 | | | | 18.51 | 18.47 | 18.44 | 0 |
| | 3 | 0 | | 18.55 | 18.61 | 18.52 | 0 | 3 | 0 | 18.64 | | 18.45 | | 18.38 | 0 | | |
| | 3 | 1 | | 18.59 | 18.56 | 18.43 | 0 | 3 | 1 | 18.48 | | 18.47 | | 18.54 | 0 | | |
| | 3 | 3 | | 18.62 | 18.47 | 18.40 | 0 | 3 | 3 | 18.50 | | 18.45 | | 18.31 | 0 | | |
| | 6 | 0 | | 18.62 | 18.55 | 18.48 | 0 | 6 | 0 | 18.57 | | 18.44 | | 18.33 | 0 | | |
| | 16QAM | 1 | | 0 | 18.67 | 18.74 | 18.49 | 0 | 16QAM | 1 | | 0 | | 18.67 | 18.74 | 18.49 | 0 |
| | | 1 | 2 | 18.69 | 18.49 | 18.40 | 0 | 1 | | 2 | | 18.69 | 18.49 | 18.40 | 0 | | |
| | | 1 | 5 | 18.51 | 18.47 | 18.44 | 0 | 1 | | 5 | | 18.51 | 18.47 | 18.44 | 0 | | |
| | | 3 | 0 | 18.64 | 18.45 | 18.38 | 0 | 3 | | 0 | | 18.64 | 18.45 | 18.38 | 0 | | |
| | | 3 | 1 | 18.48 | 18.47 | 18.54 | 0 | 3 | | 1 | | 18.48 | 18.47 | 18.54 | 0 | | |
| | | 3 | 3 | 18.50 | 18.45 | 18.31 | 0 | 3 | | 3 | | 18.50 | 18.45 | 18.31 | 0 | | |
| | | 6 | 0 | 18.57 | 18.44 | 18.33 | 0 | 6 | | 0 | | 18.57 | 18.44 | 18.33 | 0 | | |
| | | 64QAM | 1 | 0 | 18.66 | 18.70 | 18.58 | 0 | | 64QAM | | 1 | 0 | 18.66 | 18.70 | 18.58 | 0 |
| | 1 | | 2 | 18.65 | 18.53 | 18.44 | 0 | 1 | 2 | | | 18.65 | 18.53 | 18.44 | 0 | | |
| | 1 | | 5 | 18.44 | 18.39 | 18.27 | 0 | 1 | 5 | | | 18.44 | 18.39 | 18.27 | 0 | | |
| | 3 | | 0 | 18.54 | 18.43 | 18.57 | 0 | 3 | 0 | | | 18.54 | 18.43 | 18.57 | 0 | | |
| | 3 | | 1 | 18.55 | 18.57 | 18.41 | 0 | 3 | 1 | | | 18.55 | 18.57 | 18.41 | 0 | | |
| | 3 | | 3 | 18.44 | 18.44 | 18.39 | 0 | 3 | 3 | | | 18.44 | 18.44 | 18.39 | 0 | | |
| | 6 | | 0 | 18.64 | 18.39 | 18.45 | 0 | 6 | 0 | | | 18.64 | 18.39 | 18.45 | 0 | | |

| LTE Band 30 | | | | | | | | | | | | | | | | |
|--|-----------|---------|-----------|---------|-------|---------------|----|-----------|---------|-----------|-----------------|--------|--------|---------------|--------|---|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Channel | Mid | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | | | | | | | | 27685 | 27710 | 27735 | | | |
| | | | | | | | | | | | Frequency (MHz) | 2307.5 | 2310.0 | | 2312.5 | |
| 10M | QPSK | 1 | 0 | | 22.42 | 0 | 5M | QPSK | 1 | 0 | 22.33 | 22.36 | 22.38 | 0 | | |
| | | 1 | 24 | | 22.38 | 0 | | | 1 | 12 | 22.28 | 22.31 | 22.33 | 0 | | |
| | | 1 | 49 | | 22.27 | 0 | | | 1 | 24 | 22.17 | 22.20 | 22.22 | 0 | | |
| | | 25 | 0 | | 21.42 | 1 | | | 12 | 0 | 21.32 | 21.35 | 21.37 | 1 | | |
| | | 25 | 12 | | 21.39 | 1 | | | 12 | 6 | 21.29 | 21.32 | 21.34 | 1 | | |
| | | 25 | 25 | | 21.38 | 1 | | | 12 | 13 | 21.28 | 21.31 | 21.33 | 1 | | |
| | 16QAM | 50 | 0 | | 21.36 | 1 | | 25 | 0 | 21.26 | 21.29 | 21.31 | 1 | | | |
| | | 1 | 0 | | 21.67 | 1 | | 16QAM | 1 | 0 | 21.57 | 21.60 | 21.62 | 1 | | |
| | | 1 | 24 | | 21.53 | 1 | | | 1 | 12 | 21.43 | 21.46 | 21.48 | 1 | | |
| | | 1 | 49 | | 21.47 | 1 | | | 1 | 24 | 21.37 | 21.40 | 21.42 | 1 | | |
| | | 25 | 0 | | 20.54 | 2 | | | 12 | 0 | 20.44 | 20.47 | 20.49 | 2 | | |
| | | 25 | 12 | | 20.51 | 2 | | | 12 | 6 | 20.41 | 20.44 | 20.46 | 2 | | |
| | 25 | 25 | | 20.50 | 2 | 12 | | | 13 | 20.40 | 20.43 | 20.45 | 2 | | | |
| | 64QAM | 50 | 0 | | 20.49 | 2 | | 64QAM | 25 | 0 | 20.39 | 20.42 | 20.44 | 2 | | |
| | | 1 | 0 | | 20.72 | 2 | | | 1 | 0 | 20.62 | 20.65 | 20.67 | 2 | | |
| | | 1 | 24 | | 20.62 | 2 | | | 1 | 12 | 20.52 | 20.55 | 20.57 | 2 | | |
| | | 1 | 49 | | 20.46 | 2 | | | 1 | 24 | 20.36 | 20.39 | 20.41 | 2 | | |
| | | 25 | 0 | | 19.54 | 3 | | | 12 | 0 | 19.44 | 19.47 | 19.49 | 3 | | |
| | | 25 | 12 | | 19.48 | 3 | | | 12 | 6 | 19.38 | 19.41 | 19.43 | 3 | | |
| | 10M | QPSK | 25 | 25 | | 19.47 | | 3 | 5M | QPSK | 12 | 13 | 19.37 | 19.40 | 19.42 | 3 |
| | | | 50 | 0 | | 19.53 | | 3 | | | 25 | 0 | 19.43 | 19.46 | 19.48 | 3 |

| LTE Band 30 | | | | | | | | | | | | | | | | |
|---|-----------|---------|-----------|---------|-------|---------------|----|-----------|---------|-----------|-----------------|--------|--------|---------------|--------|---|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Channel | Mid | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | | | | | | | | 27685 | 27710 | 27735 | | | |
| | | | | | | | | | | | Frequency (MHz) | 2307.5 | 2310.0 | | 2312.5 | |
| 10M | QPSK | 1 | 0 | | 14.96 | 0 | 5M | QPSK | 1 | 0 | 14.86 | 14.90 | 14.94 | 0 | | |
| | | 1 | 24 | | 14.90 | 0 | | | 1 | 12 | 14.77 | 14.83 | 14.88 | 0 | | |
| | | 1 | 49 | | 14.87 | 0 | | | 1 | 24 | 14.74 | 14.80 | 14.85 | 0 | | |
| | | 25 | 0 | | 14.88 | 0 | | | 12 | 0 | 14.79 | 14.85 | 14.90 | 0 | | |
| | | 25 | 12 | | 14.87 | 0 | | | 12 | 6 | 14.79 | 14.85 | 14.90 | 0 | | |
| | | 25 | 25 | | 14.85 | 0 | | | 12 | 13 | 14.74 | 14.80 | 14.85 | 0 | | |
| | 16QAM | 50 | 0 | | 14.83 | 0 | | 16QAM | 25 | 0 | 14.72 | 14.78 | 14.83 | 0 | | |
| | | 1 | 0 | | 14.94 | 0 | | | 16QAM | 1 | 0 | 14.76 | 14.88 | 14.89 | 0 | |
| | | 1 | 24 | | 14.89 | 0 | | | | 1 | 12 | 14.73 | 14.79 | 14.78 | 0 | |
| | | 1 | 49 | | 14.85 | 0 | | | | 1 | 24 | 14.74 | 14.80 | 14.83 | 0 | |
| | | 25 | 0 | | 14.86 | 0 | | | | 12 | 0 | 14.79 | 14.83 | 14.80 | 0 | |
| | | 25 | 12 | | 14.85 | 0 | | | | 12 | 6 | 14.79 | 14.83 | 14.81 | 0 | |
| | 25 | 25 | | 14.82 | 0 | 12 | | 13 | | 14.73 | 14.72 | 14.84 | 0 | | | |
| | 64QAM | 50 | 0 | | 14.85 | 0 | | 64QAM | 25 | 0 | 14.72 | 14.70 | 14.77 | 0 | | |
| | | 1 | 0 | | 14.90 | 0 | | | 64QAM | 1 | 0 | 14.78 | 14.87 | 14.87 | 0 | |
| | | 1 | 24 | | 14.86 | 0 | | | | 1 | 12 | 14.75 | 14.80 | 14.84 | 0 | |
| | | 1 | 49 | | 14.82 | 0 | | | | 1 | 24 | 14.64 | 14.75 | 14.76 | 0 | |
| | | 25 | 0 | | 14.83 | 0 | | | | 12 | 0 | 14.70 | 14.85 | 14.88 | 0 | |
| | | 25 | 12 | | 14.82 | 0 | | | | 12 | 6 | 14.75 | 14.85 | 14.82 | 0 | |
| | 25 | 25 | | 14.80 | 0 | 12 | | 13 | | 14.72 | 14.74 | 14.78 | 0 | | | |
| | 10M | QPSK | 50 | 0 | | 14.82 | | 0 | 5M | QPSK | 25 | 0 | 14.66 | 14.74 | 14.74 | 0 |



SAR Test Report

| LTE Band 38 | | | | | | | | | | | | | | | | | |
|--|-----------|-----------------|-----------|-------|-------|-------|---------------|-------|-----------|-----------------|-----------|--------|-------|--------|---------------|-------|---|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | Channel | | 37850 | 38000 | 38150 | | | | Channel | | 37825 | 38000 | 38175 | | | |
| | | Frequency (MHz) | | 2580 | 2595 | 2610 | | | | Frequency (MHz) | | 2577.5 | 2595 | 2612.5 | | | |
| 20M | QPSK | 1 | 0 | 24.07 | 24.14 | 24.10 | 0 | 15M | QPSK | 1 | 0 | 24.02 | 24.13 | 24.02 | 0 | | |
| | | 1 | 50 | 23.76 | 23.83 | 23.79 | 0 | | | 1 | 37 | 23.75 | 23.75 | 23.69 | 0 | | |
| | | 1 | 99 | 23.68 | 23.75 | 23.71 | 0 | | | 1 | 74 | 23.62 | 23.67 | 23.64 | 0 | | |
| | | 50 | 0 | 23.00 | 23.07 | 23.03 | 1 | | | 36 | 0 | 22.99 | 23.04 | 22.99 | 1 | | |
| | | 50 | 25 | 22.89 | 22.96 | 22.92 | 1 | | | 36 | 19 | 22.84 | 22.94 | 22.90 | 1 | | |
| | | 50 | 50 | 22.76 | 22.83 | 22.79 | 1 | | | 36 | 39 | 22.70 | 22.83 | 22.73 | 1 | | |
| | 16QAM | 100 | 0 | 22.90 | 22.97 | 22.93 | 1 | | 75 | 0 | 22.86 | 22.90 | 22.90 | 1 | | | |
| | | 1 | 0 | 23.11 | 23.18 | 23.14 | 1 | | 16QAM | 1 | 0 | 23.07 | 23.08 | 23.09 | 1 | | |
| | | 1 | 50 | 22.81 | 22.88 | 22.84 | 1 | | | 1 | 37 | 22.73 | 22.78 | 22.82 | 1 | | |
| | | 1 | 99 | 22.74 | 22.81 | 22.77 | 1 | | | 1 | 74 | 22.74 | 22.78 | 22.73 | 1 | | |
| | | 50 | 0 | 22.12 | 22.19 | 22.15 | 2 | | | 36 | 0 | 22.04 | 22.11 | 22.07 | 2 | | |
| | | 50 | 25 | 21.98 | 22.05 | 22.01 | 2 | | | 36 | 19 | 21.94 | 22.01 | 22.01 | 2 | | |
| | 50 | 50 | 21.87 | 21.94 | 21.90 | 2 | 36 | | | 39 | 21.86 | 21.84 | 21.90 | 2 | | | |
| | 64QAM | 100 | 0 | 21.97 | 22.04 | 22.00 | 2 | | 75 | 0 | 21.93 | 22.01 | 21.96 | 2 | | | |
| | | 1 | 0 | 22.13 | 22.20 | 22.16 | 2 | | 64QAM | 1 | 0 | 22.10 | 22.14 | 22.08 | 2 | | |
| | | 1 | 50 | 21.82 | 21.89 | 21.85 | 2 | | | 1 | 37 | 21.74 | 21.86 | 21.84 | 2 | | |
| | | 1 | 99 | 21.67 | 21.74 | 21.70 | 2 | | | 1 | 74 | 21.59 | 21.68 | 21.66 | 2 | | |
| | | 50 | 0 | 21.11 | 21.18 | 21.14 | 3 | | | 36 | 0 | 21.07 | 21.10 | 21.06 | 3 | | |
| | | 50 | 25 | 20.94 | 21.01 | 20.97 | 3 | | | 36 | 19 | 20.88 | 20.97 | 20.93 | 3 | | |
| | 50 | 50 | 20.83 | 20.90 | 20.86 | 3 | 36 | | | 39 | 20.80 | 20.83 | 20.80 | 3 | | | |
| | 10M | QPSK | 100 | 0 | 20.95 | 21.02 | 20.98 | | 3 | 75 | 0 | 20.91 | 20.96 | 20.96 | 3 | | |
| | | | 1 | 0 | 23.92 | 23.99 | 24.00 | | 0 | 5M | QPSK | 1 | 0 | 23.96 | 24.08 | 23.96 | 0 |
| | | | 1 | 24 | 23.64 | 23.75 | 23.64 | | 0 | | | 1 | 12 | 23.66 | 23.66 | 23.57 | 0 |
| | | | 1 | 49 | 23.56 | 23.55 | 23.60 | | 0 | | | 1 | 24 | 23.64 | 23.74 | 23.56 | 0 |
| 25 | | | 0 | 22.88 | 22.92 | 22.97 | 1 | 12 | 0 | | | 22.88 | 22.95 | 22.84 | 1 | | |
| 25 | | | 12 | 22.82 | 22.90 | 22.82 | 1 | 12 | 6 | | | 22.69 | 22.82 | 22.59 | 1 | | |
| 25 | | 25 | 22.61 | 22.65 | 22.59 | 1 | 12 | 13 | 22.68 | | | 22.65 | 22.61 | 1 | | | |
| 16QAM | | 50 | 0 | 22.81 | 22.90 | 22.81 | 1 | 25 | 0 | | 22.81 | 22.87 | 22.75 | 1 | | | |
| | | 1 | 0 | 22.97 | 23.00 | 23.09 | 1 | 16QAM | 1 | | 0 | 22.94 | 23.05 | 22.94 | 1 | | |
| | | 1 | 24 | 22.73 | 22.85 | 22.83 | 1 | | 1 | | 12 | 22.61 | 22.72 | 22.71 | 1 | | |
| | | 1 | 49 | 22.55 | 22.73 | 22.68 | 1 | | 1 | | 24 | 22.65 | 22.62 | 22.68 | 1 | | |
| | | 25 | 0 | 22.09 | 22.13 | 22.12 | 2 | | 12 | | 0 | 22.00 | 22.11 | 22.12 | 2 | | |
| | | 25 | 12 | 21.76 | 21.97 | 21.92 | 2 | | 12 | | 6 | 21.91 | 21.92 | 21.86 | 2 | | |
| 25 | | 25 | 21.70 | 21.78 | 21.82 | 2 | 12 | | 13 | | 21.67 | 21.82 | 21.80 | 2 | | | |
| 64QAM | | 50 | 0 | 21.82 | 22.01 | 21.86 | 2 | 25 | 0 | | 21.85 | 21.84 | 21.80 | 2 | | | |
| | | 1 | 0 | 22.05 | 22.12 | 22.09 | 2 | 64QAM | 1 | | 0 | 22.01 | 22.16 | 22.08 | 2 | | |
| | | 1 | 24 | 21.75 | 21.87 | 21.79 | 2 | | 1 | | 12 | 21.73 | 21.74 | 21.79 | 2 | | |
| | | 1 | 49 | 21.57 | 21.74 | 21.58 | 2 | | 1 | | 24 | 21.49 | 21.67 | 21.51 | 2 | | |
| | | 25 | 0 | 21.03 | 20.96 | 20.97 | 3 | | 12 | | 0 | 20.93 | 21.04 | 21.04 | 3 | | |
| | | 25 | 12 | 20.88 | 20.93 | 20.85 | 3 | | 12 | | 6 | 20.78 | 20.84 | 20.84 | 3 | | |
| 25 | | 25 | 20.72 | 20.80 | 20.78 | 3 | 12 | | 13 | | 20.74 | 20.76 | 20.64 | 3 | | | |
| 50 | | 0 | 20.80 | 20.94 | 20.85 | 3 | 25 | 0 | 20.80 | | 20.83 | 20.78 | 3 | | | | |



SAR Test Report

| LTE Band 38 | | | | | | | | | | | | | | | | | |
|---|-----------|-----------|-----------|-----------|---------|---------|---------------|-----|---------------|---------|-----------|---------|-----------|---------|---------------|---------|---------------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | 37850 | 38000 | 38150 | | | | | | 37825 | 38000 | 38175 | | | |
| | | | | Channel | Channel | Channel | | | | | | Channel | Channel | Channel | | | |
| | | | | 2580 | 2595 | 2610 | | | | | | 2577.5 | 2595 | 2612.5 | | | |
| 20M | QPSK | 1 | 0 | 16.94 | 16.99 | 17.00 | 0 | 15M | QPSK | 1 | 0 | 16.87 | 16.96 | 16.93 | 0 | | |
| | | 1 | 50 | 16.83 | 16.87 | 16.90 | 0 | | | 1 | 37 | 16.82 | 16.79 | 16.83 | 0 | | |
| | | 1 | 99 | 16.80 | 16.84 | 16.85 | 0 | | | 1 | 74 | 16.80 | 16.76 | 16.79 | 0 | | |
| | | 50 | 0 | 16.82 | 16.86 | 16.88 | 0 | | | 36 | 0 | 16.82 | 16.83 | 16.78 | 0 | | |
| | | 50 | 25 | 16.76 | 16.80 | 16.83 | 0 | | | 36 | 19 | 16.66 | 16.77 | 16.77 | 0 | | |
| | | 50 | 50 | 16.76 | 16.80 | 16.82 | 0 | | | 36 | 39 | 16.74 | 16.80 | 16.78 | 0 | | |
| | 100 | 0 | 16.82 | 16.82 | 16.85 | 0 | 75 | | 0 | 16.79 | 16.79 | 16.78 | 0 | | | | |
| | 16QAM | 1 | 0 | 16.91 | 16.93 | 16.95 | 0 | | 16QAM | 1 | 0 | 16.83 | 16.88 | 16.91 | 0 | | |
| | | 1 | 50 | 16.76 | 16.80 | 16.85 | 0 | | | 1 | 37 | 16.66 | 16.73 | 16.75 | 0 | | |
| | | 1 | 99 | 16.70 | 16.80 | 16.84 | 0 | | | 1 | 74 | 16.63 | 16.70 | 16.75 | 0 | | |
| | | 50 | 0 | 16.76 | 16.82 | 16.87 | 0 | | | 36 | 0 | 16.69 | 16.81 | 16.80 | 0 | | |
| | | 50 | 25 | 16.69 | 16.74 | 16.73 | 0 | | | 36 | 19 | 16.59 | 16.73 | 16.63 | 0 | | |
| | | 50 | 50 | 16.67 | 16.78 | 16.77 | 0 | | | 36 | 39 | 16.58 | 16.75 | 16.74 | 0 | | |
| | 100 | 0 | 16.80 | 16.74 | 16.77 | 0 | 75 | | 0 | 16.72 | 16.65 | 16.68 | 0 | | | | |
| | 64QAM | 1 | 0 | 16.88 | 16.90 | 16.94 | 0 | | 64QAM | 1 | 0 | 16.84 | 16.83 | 16.91 | 0 | | |
| | | 1 | 50 | 16.76 | 16.84 | 16.90 | 0 | | | 1 | 37 | 16.68 | 16.84 | 16.84 | 0 | | |
| | | 1 | 99 | 16.75 | 16.83 | 16.85 | 0 | | | 1 | 74 | 16.68 | 16.74 | 16.80 | 0 | | |
| | | 50 | 0 | 16.81 | 16.82 | 16.82 | 0 | | | 36 | 0 | 16.71 | 16.81 | 16.77 | 0 | | |
| | | 50 | 25 | 16.75 | 16.76 | 16.80 | 0 | | | 36 | 19 | 16.68 | 16.68 | 16.73 | 0 | | |
| | | 50 | 50 | 16.76 | 16.73 | 16.72 | 0 | | | 36 | 39 | 16.73 | 16.71 | 16.64 | 0 | | |
| | 100 | 0 | 16.73 | 16.73 | 16.76 | 0 | 75 | | 0 | 16.67 | 16.71 | 16.73 | 0 | | | | |
| | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) |
| | | | | | 37800 | 38000 | 38200 | | | | | | | 37775 | 38000 | 38225 | |
| | | | | | Channel | Channel | Channel | | | | | | | Channel | Channel | Channel | |
| | | | | 2575 | 2595 | 2615 | | | | | | 2572.5 | 2595 | 2617.5 | | | |
| 10M | QPSK | 1 | 0 | 16.85 | 16.85 | 16.83 | 0 | 5M | QPSK | 1 | 0 | 16.85 | 16.91 | 16.80 | 0 | | |
| | | 1 | 24 | 16.60 | 16.71 | 16.87 | 0 | | | 1 | 12 | 16.72 | 16.64 | 16.84 | 0 | | |
| | | 1 | 49 | 16.69 | 16.83 | 16.73 | 0 | | | 1 | 24 | 16.62 | 16.69 | 16.67 | 0 | | |
| | | 25 | 0 | 16.62 | 16.80 | 16.74 | 0 | | | 12 | 0 | 16.78 | 16.76 | 16.84 | 0 | | |
| | | 25 | 12 | 16.66 | 16.62 | 16.74 | 0 | | | 12 | 6 | 16.67 | 16.62 | 16.58 | 0 | | |
| | | 25 | 25 | 16.64 | 16.70 | 16.68 | 0 | | | 12 | 13 | 16.54 | 16.66 | 16.77 | 0 | | |
| | 50 | 0 | 16.59 | 16.67 | 16.74 | 0 | 25 | | 0 | 16.65 | 16.77 | 16.59 | 0 | | | | |
| | 16QAM | 1 | 0 | 16.84 | 16.80 | 16.79 | 0 | | 16QAM | 1 | 0 | 16.88 | 16.76 | 16.88 | 0 | | |
| | | 1 | 24 | 16.58 | 16.68 | 16.83 | 0 | | | 1 | 12 | 16.65 | 16.66 | 16.77 | 0 | | |
| | | 1 | 49 | 16.45 | 16.61 | 16.78 | 0 | | | 1 | 24 | 16.50 | 16.68 | 16.77 | 0 | | |
| | | 25 | 0 | 16.56 | 16.73 | 16.85 | 0 | | | 12 | 0 | 16.69 | 16.61 | 16.65 | 0 | | |
| | | 25 | 12 | 16.49 | 16.72 | 16.48 | 0 | | | 12 | 6 | 16.59 | 16.70 | 16.61 | 0 | | |
| | | 25 | 25 | 16.58 | 16.69 | 16.68 | 0 | | | 12 | 13 | 16.62 | 16.72 | 16.59 | 0 | | |
| | 50 | 0 | 16.70 | 16.63 | 16.67 | 0 | 25 | | 0 | 16.70 | 16.60 | 16.60 | 0 | | | | |
| | 64QAM | 1 | 0 | 16.68 | 16.79 | 16.80 | 0 | | 64QAM | 1 | 0 | 16.78 | 16.83 | 16.84 | 0 | | |
| | | 1 | 24 | 16.62 | 16.73 | 16.67 | 0 | | | 1 | 12 | 16.68 | 16.79 | 16.78 | 0 | | |
| | | 1 | 49 | 16.61 | 16.73 | 16.72 | 0 | | | 1 | 24 | 16.59 | 16.69 | 16.71 | 0 | | |
| | | 25 | 0 | 16.61 | 16.67 | 16.71 | 0 | | | 12 | 0 | 16.62 | 16.71 | 16.66 | 0 | | |
| | | 25 | 12 | 16.65 | 16.65 | 16.76 | 0 | | | 12 | 6 | 16.60 | 16.66 | 16.62 | 0 | | |
| | | 25 | 25 | 16.62 | 16.66 | 16.56 | 0 | | | 12 | 13 | 16.70 | 16.67 | 16.53 | 0 | | |
| | 50 | 0 | 16.63 | 16.58 | 16.62 | 0 | 25 | | 0 | 16.59 | 16.70 | 16.56 | 0 | | | | |



SAR Test Report

LTE Band 41

EUT without Power Reduction (P-Sensor NOT Triggered)

| BW | MCS Index | RB Size | RB Offset | Low | Mid | Mid | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | Mid | Mid | High | 3GPP MPR (dB) | | |
|-----|-----------|-----------------|-----------------|-----------|--------|-------|--------|-------|---------------|-----|---------------|-----------------|-----------|-----------------|-----------|--------|--------|--------|---------------|--------|---------------|
| | | Channel | | 39750 | 40185 | 40620 | 41055 | 41490 | | | | Channel | | 39725 | 40173 | 40620 | 41068 | 41515 | | | |
| | | Frequency (MHz) | | 2506 | 2549.5 | 2593 | 2636.5 | 2680 | | | | Frequency (MHz) | | 2503.5 | 2548.3 | 2593 | 2637.8 | 2682.5 | | | |
| 20M | QPSK | 1 | 0 | 24.09 | 24.01 | 24.17 | 23.96 | 24.16 | 0 | 15M | QPSK | 1 | 0 | 24.05 | 23.97 | 24.17 | 23.95 | 24.08 | 0 | | |
| | | 1 | 50 | 23.68 | 23.60 | 23.76 | 23.55 | 23.75 | 0 | | | 1 | 37 | 23.65 | 23.54 | 23.67 | 23.55 | 23.66 | 0 | | |
| | | 1 | 99 | 23.55 | 23.47 | 23.63 | 23.42 | 23.62 | 0 | | | 1 | 74 | 23.45 | 23.37 | 23.55 | 23.34 | 23.53 | 0 | | |
| | | 50 | 0 | 22.93 | 22.85 | 23.01 | 22.80 | 23.00 | 1 | | | 36 | 0 | 22.88 | 22.76 | 22.93 | 22.72 | 22.95 | 1 | | |
| | | 50 | 25 | 22.77 | 22.69 | 22.85 | 22.64 | 22.84 | 1 | | | 36 | 19 | 22.72 | 22.69 | 22.81 | 22.57 | 22.76 | 1 | | |
| | | 50 | 50 | 22.65 | 22.57 | 22.73 | 22.52 | 22.72 | 1 | | | 36 | 39 | 22.61 | 22.48 | 22.63 | 22.43 | 22.64 | 1 | | |
| | 100 | 0 | 22.59 | 22.51 | 22.67 | 22.46 | 22.66 | 1 | 75 | | 0 | 22.50 | 22.42 | 22.65 | 22.41 | 22.60 | 1 | | | | |
| | 16QAM | 1 | 0 | 23.11 | 23.03 | 23.19 | 22.98 | 23.18 | 1 | | 16QAM | 1 | 0 | 23.08 | 22.93 | 23.16 | 22.95 | 23.15 | 1 | | |
| | | 1 | 50 | 22.73 | 22.65 | 22.81 | 22.60 | 22.80 | 1 | | | 1 | 37 | 22.60 | 22.54 | 22.69 | 22.54 | 22.68 | 1 | | |
| | | 1 | 99 | 22.61 | 22.53 | 22.69 | 22.48 | 22.68 | 1 | | | 1 | 74 | 22.54 | 22.44 | 22.53 | 22.41 | 22.60 | 1 | | |
| | | 50 | 0 | 22.03 | 21.95 | 22.11 | 21.90 | 22.10 | 2 | | | 36 | 0 | 21.89 | 21.84 | 21.98 | 21.75 | 21.91 | 2 | | |
| | | 50 | 25 | 21.85 | 21.77 | 21.93 | 21.72 | 21.92 | 2 | | | 36 | 19 | 21.71 | 21.60 | 21.75 | 21.60 | 21.78 | 2 | | |
| | | 50 | 50 | 21.73 | 21.65 | 21.81 | 21.60 | 21.80 | 2 | | | 36 | 39 | 21.56 | 21.53 | 21.72 | 21.47 | 21.63 | 2 | | |
| | 100 | 0 | 21.88 | 21.80 | 21.96 | 21.75 | 21.95 | 2 | 75 | | 0 | 21.53 | 21.45 | 21.57 | 21.38 | 21.62 | 2 | | | | |
| | 64QAM | 1 | 0 | 22.10 | 22.02 | 22.18 | 21.97 | 22.17 | 2 | | 64QAM | 1 | 0 | 22.09 | 21.98 | 22.12 | 21.95 | 22.07 | 2 | | |
| | | 1 | 50 | 21.73 | 21.65 | 21.81 | 21.60 | 21.80 | 2 | | | 1 | 37 | 21.66 | 21.54 | 21.68 | 21.49 | 21.68 | 2 | | |
| | | 1 | 99 | 21.61 | 21.53 | 21.69 | 21.48 | 21.68 | 2 | | | 1 | 74 | 21.47 | 21.37 | 21.60 | 21.33 | 21.52 | 2 | | |
| | | 50 | 0 | 21.04 | 20.96 | 21.12 | 20.91 | 21.11 | 3 | | | 36 | 0 | 20.90 | 20.78 | 20.95 | 20.80 | 21.00 | 3 | | |
| | | 50 | 25 | 20.84 | 20.76 | 20.92 | 20.71 | 20.91 | 3 | | | 36 | 19 | 20.74 | 20.65 | 20.79 | 20.54 | 20.82 | 3 | | |
| | | 50 | 50 | 20.73 | 20.65 | 20.81 | 20.60 | 20.80 | 3 | | | 36 | 39 | 20.57 | 20.56 | 20.67 | 20.50 | 20.69 | 3 | | |
| | 100 | 0 | 20.87 | 20.79 | 20.95 | 20.74 | 20.94 | 3 | 75 | | 0 | 20.52 | 20.45 | 20.66 | 20.40 | 20.56 | 3 | | | | |
| | BW | MCS Index | RB Size | RB Offset | Low | Mid | Mid | Mid | High | | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | Mid | Mid | High | 3GPP MPR (dB) |
| | | | Channel | | 39700 | 40160 | 40620 | 41080 | 41540 | | | | | Channel | | 39675 | 40148 | 40620 | 41093 | 41565 | |
| | | | Frequency (MHz) | | 2501 | 2547 | 2593 | 2639 | 2685 | | | | | Frequency (MHz) | | 2498.5 | 2545.8 | 2593 | 2640.3 | 2687.5 | |
| 10M | QPSK | 1 | 0 | 24.02 | 23.84 | 24.17 | 23.94 | 24.14 | 0 | 5M | QPSK | 1 | 12 | 23.62 | 23.57 | 23.62 | 23.48 | 23.63 | 0 | | |
| | | 1 | 24 | 23.64 | 23.48 | 23.73 | 23.39 | 23.61 | 0 | | | 1 | 24 | 23.49 | 23.37 | 23.52 | 23.31 | 23.45 | 0 | | |
| | | 1 | 49 | 23.44 | 23.34 | 23.51 | 23.30 | 23.54 | 0 | | | 12 | 0 | 22.92 | 22.75 | 22.99 | 22.72 | 23.00 | 1 | | |
| | | 25 | 0 | 22.83 | 22.82 | 22.83 | 22.68 | 22.91 | 1 | | | 12 | 6 | 22.60 | 22.52 | 22.78 | 22.60 | 22.75 | 1 | | |
| | | 25 | 12 | 22.65 | 22.57 | 22.81 | 22.44 | 22.77 | 1 | | | 12 | 13 | 22.50 | 22.42 | 22.58 | 22.42 | 22.66 | 1 | | |
| | | 25 | 25 | 22.49 | 22.56 | 22.58 | 22.47 | 22.66 | 1 | | | 25 | 0 | 22.59 | 22.35 | 22.51 | 22.37 | 22.49 | 1 | | |
| | 50 | 0 | 22.44 | 22.42 | 22.59 | 22.41 | 22.57 | 1 | 1 | | 0 | 23.04 | 22.86 | 23.06 | 22.87 | 23.14 | 1 | | | | |
| | 16QAM | 1 | 0 | 23.00 | 22.85 | 23.11 | 22.92 | 23.15 | 1 | | 16QAM | 1 | 12 | 22.57 | 22.51 | 22.64 | 22.50 | 22.68 | 1 | | |
| | | 1 | 24 | 22.63 | 22.48 | 22.73 | 22.41 | 22.66 | 1 | | | 1 | 24 | 22.51 | 22.38 | 22.54 | 22.36 | 22.49 | 1 | | |
| | | 1 | 49 | 22.41 | 22.31 | 22.50 | 22.25 | 22.50 | 1 | | | 12 | 0 | 21.86 | 21.67 | 21.97 | 21.70 | 21.95 | 2 | | |
| | | 25 | 0 | 21.87 | 21.76 | 21.92 | 21.73 | 21.87 | 2 | | | 12 | 6 | 21.67 | 21.51 | 21.84 | 21.59 | 21.65 | 2 | | |
| | | 25 | 12 | 21.64 | 21.52 | 21.79 | 21.46 | 21.73 | 2 | | | 12 | 13 | 21.51 | 21.40 | 21.62 | 21.42 | 21.56 | 2 | | |
| | | 25 | 25 | 21.49 | 21.49 | 21.57 | 21.46 | 21.66 | 2 | | | 25 | 0 | 21.57 | 21.38 | 21.52 | 21.36 | 21.47 | 2 | | |
| | 50 | 0 | 21.50 | 21.42 | 21.54 | 21.42 | 21.59 | 2 | 1 | | 0 | 22.06 | 21.87 | 22.09 | 21.87 | 22.14 | 2 | | | | |
| | 64QAM | 1 | 0 | 22.01 | 21.90 | 22.11 | 21.90 | 22.06 | 2 | | 64QAM | 1 | 12 | 21.54 | 21.54 | 21.68 | 21.41 | 21.67 | 2 | | |
| | | 1 | 24 | 21.56 | 21.53 | 21.65 | 21.38 | 21.64 | 2 | | | 1 | 24 | 21.50 | 21.35 | 21.58 | 21.35 | 21.49 | 2 | | |
| | | 1 | 49 | 21.46 | 21.30 | 21.52 | 21.28 | 21.46 | 2 | | | 12 | 0 | 20.84 | 20.73 | 20.97 | 20.68 | 20.94 | 3 | | |
| | | 25 | 0 | 20.88 | 20.74 | 20.86 | 20.68 | 20.90 | 3 | | | 12 | 6 | 20.65 | 20.55 | 20.77 | 20.58 | 20.74 | 3 | | |
| | | 25 | 12 | 20.59 | 20.60 | 20.81 | 20.50 | 20.72 | 3 | | | 12 | 13 | 20.51 | 20.44 | 20.57 | 20.40 | 20.66 | 3 | | |
| | | 25 | 25 | 20.50 | 20.54 | 20.61 | 20.49 | 20.68 | 3 | | | 25 | 0 | 20.52 | 20.38 | 20.53 | 20.36 | 20.49 | 3 | | |
| | 50 | 0 | 20.52 | 20.39 | 20.63 | 20.36 | 20.55 | 3 | 1 | | 12 | 23.62 | 23.57 | 23.62 | 23.48 | 23.63 | 0 | | | | |

SAR Test Report

| LTE Band 41 | | | | | | | | | | | | | | | | | | | | |
|---|-----------|-----------------|-----------|-------|--------|-------|--------|-------|---------------|-------|-----------|-----------------|-----------|--------|--------|-------|--------|--------|---------------|---|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | Mid | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | Mid | Mid | High | 3GPP MPR (dB) | |
| | | Channel | | 39750 | 40185 | 40620 | 41055 | 41490 | | | | Channel | | 39725 | 40173 | 40620 | 41068 | 41515 | | |
| | | Frequency (MHz) | | 2506 | 2549.5 | 2593 | 2636.5 | 2680 | | | | Frequency (MHz) | | 2503.5 | 2548.3 | 2593 | 2637.8 | 2682.5 | | |
| 20M | QPSK | 1 | 0 | 16.93 | 16.90 | 17.00 | 16.95 | 16.98 | 0 | 15M | QPSK | 1 | 0 | 16.91 | 16.87 | 16.93 | 16.88 | 16.94 | 0 | |
| | | 1 | 50 | 16.86 | 16.82 | 16.96 | 16.88 | 16.89 | 0 | | | 1 | 37 | 16.86 | 16.74 | 16.92 | 16.83 | 16.88 | 0 | |
| | | 1 | 99 | 16.80 | 16.76 | 16.88 | 16.81 | 16.84 | 0 | | | 1 | 74 | 16.73 | 16.69 | 16.78 | 16.71 | 16.74 | 0 | |
| | | 50 | 0 | 16.82 | 16.80 | 16.96 | 16.85 | 16.87 | 0 | | | 36 | 0 | 16.74 | 16.74 | 16.90 | 16.84 | 16.83 | 0 | |
| | | 50 | 25 | 16.78 | 16.74 | 16.85 | 16.80 | 16.81 | 0 | | | 36 | 19 | 16.68 | 16.64 | 16.84 | 16.73 | 16.81 | 0 | |
| | | 50 | 50 | 16.73 | 16.70 | 16.80 | 16.74 | 16.77 | 0 | | | 36 | 39 | 16.73 | 16.70 | 16.74 | 16.71 | 16.73 | 0 | |
| | 16QAM | 100 | 0 | 16.80 | 16.75 | 16.90 | 16.80 | 16.82 | 0 | | 75 | 0 | 16.78 | 16.67 | 16.76 | 16.71 | 16.75 | 0 | | |
| | | 1 | 0 | 16.92 | 16.84 | 16.95 | 16.86 | 16.97 | 0 | | 16QAM | 1 | 0 | 16.85 | 16.90 | 16.98 | 16.85 | 16.98 | 0 | |
| | | 1 | 50 | 16.80 | 16.73 | 16.85 | 16.82 | 16.86 | 0 | | | 1 | 37 | 16.82 | 16.72 | 16.91 | 16.85 | 16.82 | 0 | |
| | | 1 | 99 | 16.70 | 16.71 | 16.87 | 16.77 | 16.75 | 0 | | | 1 | 74 | 16.70 | 16.69 | 16.78 | 16.76 | 16.76 | 0 | |
| | | 50 | 0 | 16.81 | 16.73 | 16.83 | 16.83 | 16.86 | 0 | | | 36 | 0 | 16.82 | 16.78 | 16.87 | 16.84 | 16.79 | 0 | |
| | | 50 | 25 | 16.74 | 16.65 | 16.78 | 16.71 | 16.73 | 0 | | | 36 | 19 | 16.76 | 16.73 | 16.85 | 16.72 | 16.71 | 0 | |
| | 50 | 50 | 16.73 | 16.62 | 16.76 | 16.67 | 16.70 | 0 | 36 | | | 39 | 16.69 | 16.70 | 16.80 | 16.64 | 16.71 | 0 | | |
| | 64QAM | 100 | 0 | 16.74 | 16.66 | 16.78 | 16.78 | 16.78 | 0 | | 75 | 0 | 16.74 | 16.66 | 16.81 | 16.73 | 16.75 | 0 | | |
| | | 1 | 0 | 16.86 | 16.80 | 16.91 | 16.95 | 16.95 | 0 | | 64QAM | 1 | 0 | 16.85 | 16.87 | 16.99 | 16.94 | 16.88 | 0 | |
| | | 1 | 50 | 16.77 | 16.82 | 16.91 | 16.85 | 16.80 | 0 | | | 1 | 37 | 16.86 | 16.79 | 16.95 | 16.88 | 16.81 | 0 | |
| | | 1 | 99 | 16.78 | 16.69 | 16.87 | 16.75 | 16.75 | 0 | | | 1 | 74 | 16.70 | 16.71 | 16.84 | 16.74 | 16.82 | 0 | |
| | | 50 | 0 | 16.74 | 16.72 | 16.83 | 16.80 | 16.84 | 0 | | | 36 | 0 | 16.82 | 16.76 | 16.90 | 16.83 | 16.79 | 0 | |
| | | 50 | 25 | 16.69 | 16.67 | 16.78 | 16.73 | 16.75 | 0 | | | 36 | 19 | 16.73 | 16.74 | 16.75 | 16.71 | 16.77 | 0 | |
| | 50 | 50 | 16.73 | 16.60 | 16.75 | 16.67 | 16.76 | 0 | 36 | | | 39 | 16.65 | 16.61 | 16.76 | 16.71 | 16.73 | 0 | | |
| | 10M | QPSK | 100 | 0 | 16.75 | 16.70 | 16.82 | 16.73 | 16.80 | | 0 | 75 | 0 | 16.77 | 16.72 | 16.80 | 16.75 | 16.73 | 0 | |
| | | | 1 | 0 | 16.74 | 16.81 | 16.95 | 16.84 | 16.89 | | 0 | QPSK | 1 | 0 | 16.82 | 16.82 | 16.95 | 16.85 | 16.87 | 0 |
| | | | 1 | 24 | 16.74 | 16.70 | 16.93 | 16.76 | 16.86 | | 0 | | 1 | 12 | 16.81 | 16.78 | 16.84 | 16.77 | 16.78 | 0 |
| | | | 1 | 49 | 16.68 | 16.56 | 16.84 | 16.65 | 16.73 | | 0 | | 1 | 24 | 16.73 | 16.59 | 16.76 | 16.72 | 16.76 | 0 |
| 25 | | | 0 | 16.71 | 16.71 | 16.83 | 16.77 | 16.82 | 0 | 12 | 0 | | 16.74 | 16.67 | 16.86 | 16.76 | 16.74 | 0 | | |
| 25 | | | 12 | 16.62 | 16.66 | 16.78 | 16.69 | 16.75 | 0 | 12 | 6 | | 16.67 | 16.62 | 16.83 | 16.66 | 16.78 | 0 | | |
| 25 | | 25 | 16.63 | 16.68 | 16.71 | 16.57 | 16.63 | 0 | 12 | 13 | 16.57 | | 16.60 | 16.69 | 16.67 | 16.66 | 0 | | | |
| 16QAM | | 50 | 0 | 16.73 | 16.69 | 16.81 | 16.64 | 16.78 | 0 | 25 | 0 | 16.66 | 16.67 | 16.76 | 16.64 | 16.71 | 0 | | | |
| | | 1 | 0 | 16.76 | 16.82 | 16.94 | 16.80 | 16.84 | 0 | 16QAM | 1 | 0 | 16.92 | 16.81 | 16.87 | 16.82 | 16.84 | 0 | | |
| | | 1 | 24 | 16.80 | 16.67 | 16.86 | 16.75 | 16.83 | 0 | | 1 | 12 | 16.71 | 16.72 | 16.90 | 16.78 | 16.75 | 0 | | |
| | | 1 | 49 | 16.69 | 16.56 | 16.79 | 16.68 | 16.72 | 0 | | 1 | 24 | 16.72 | 16.59 | 16.75 | 16.64 | 16.71 | 0 | | |
| | | 25 | 0 | 16.71 | 16.69 | 16.88 | 16.73 | 16.85 | 0 | | 12 | 0 | 16.74 | 16.66 | 16.87 | 16.74 | 16.74 | 0 | | |
| | | 25 | 12 | 16.70 | 16.66 | 16.77 | 16.69 | 16.75 | 0 | | 12 | 6 | 16.68 | 16.66 | 16.85 | 16.63 | 16.78 | 0 | | |
| 25 | | 25 | 16.56 | 16.64 | 16.74 | 16.57 | 16.64 | 0 | 12 | | 13 | 16.57 | 16.63 | 16.68 | 16.61 | 16.72 | 0 | | | |
| 64QAM | | 50 | 0 | 16.74 | 16.66 | 16.81 | 16.63 | 16.76 | 0 | 25 | 0 | 16.68 | 16.68 | 16.80 | 16.68 | 16.73 | 0 | | | |
| | | 1 | 0 | 16.78 | 16.73 | 16.93 | 16.86 | 16.85 | 0 | 64QAM | 1 | 0 | 16.86 | 16.83 | 16.94 | 16.87 | 16.94 | 0 | | |
| | | 1 | 24 | 16.78 | 16.67 | 16.90 | 16.84 | 16.80 | 0 | | 1 | 12 | 16.72 | 16.73 | 16.92 | 16.85 | 16.80 | 0 | | |
| | | 1 | 49 | 16.69 | 16.59 | 16.80 | 16.67 | 16.79 | 0 | | 1 | 24 | 16.70 | 16.61 | 16.72 | 16.63 | 16.73 | 0 | | |
| | | 25 | 0 | 16.71 | 16.67 | 16.85 | 16.74 | 16.83 | 0 | | 12 | 0 | 16.76 | 16.69 | 16.82 | 16.76 | 16.77 | 0 | | |
| | | 25 | 12 | 16.62 | 16.57 | 16.69 | 16.69 | 16.74 | 0 | | 12 | 6 | 16.63 | 16.62 | 16.75 | 16.68 | 16.76 | 0 | | |
| 25 | | 25 | 16.59 | 16.70 | 16.75 | 16.60 | 16.61 | 0 | 12 | | 13 | 16.61 | 16.61 | 16.65 | 16.64 | 16.67 | 0 | | | |
| 50 | | 0 | 16.68 | 16.66 | 16.81 | 16.63 | 16.71 | 0 | 25 | 0 | 16.65 | 16.68 | 16.78 | 16.67 | 16.73 | 0 | | | | |



SAR Test Report

| LTE Band 66 | | | | | | | | | | | | | | | | | |
|--|-----------|---------|-----------|-----------------|--------|--------|---------------|-------|-----------|---------|-----------|--------|-----------------|--------|---------------|--------|--------|
| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 132072 | 132322 | | | | | | 132572 | Channel | 132047 | | 132322 | 132597 |
| | | | | Frequency (MHz) | 1720.0 | 1745.0 | | | | | | 1770.0 | Frequency (MHz) | 1717.5 | | 1745.0 | 1772.5 |
| 20M | QPSK | 1 | 0 | 23.83 | 24.02 | 23.98 | 0 | 15M | QPSK | 1 | 0 | 23.77 | 23.97 | 23.94 | 0 | | |
| | | 1 | 50 | 23.66 | 23.85 | 23.81 | 0 | | | 1 | 37 | 23.65 | 23.84 | 23.73 | 0 | | |
| | | 1 | 99 | 23.65 | 23.84 | 23.80 | 0 | | | 1 | 74 | 23.64 | 23.82 | 23.79 | 0 | | |
| | | 50 | 0 | 22.49 | 22.68 | 22.64 | 1 | | | 36 | 0 | 22.40 | 22.60 | 22.59 | 1 | | |
| | | 50 | 25 | 22.09 | 22.28 | 22.24 | 1 | | | 36 | 19 | 21.99 | 22.22 | 22.24 | 1 | | |
| | | 50 | 50 | 22.40 | 22.59 | 22.55 | 1 | | | 36 | 39 | 22.37 | 22.52 | 22.55 | 1 | | |
| | 100 | 0 | 21.91 | 22.10 | 22.06 | 1 | 75 | | 0 | 21.81 | 22.09 | 22.00 | 1 | | | | |
| | 16QAM | 1 | 0 | 22.97 | 23.16 | 23.12 | 1 | | 16QAM | 1 | 0 | 22.89 | 23.06 | 23.02 | 1 | | |
| | | 1 | 50 | 22.87 | 23.06 | 23.02 | 1 | | | 1 | 37 | 22.86 | 23.05 | 22.97 | 1 | | |
| | | 1 | 99 | 22.88 | 23.07 | 23.03 | 1 | | | 1 | 74 | 22.82 | 23.04 | 22.97 | 1 | | |
| | | 50 | 0 | 21.73 | 21.92 | 21.88 | 2 | | | 36 | 0 | 21.72 | 21.90 | 21.87 | 2 | | |
| | | 50 | 25 | 21.75 | 21.94 | 21.90 | 2 | | | 36 | 19 | 21.73 | 21.91 | 21.86 | 2 | | |
| | | 50 | 50 | 21.69 | 21.88 | 21.84 | 2 | | | 36 | 39 | 21.68 | 21.79 | 21.80 | 2 | | |
| | 100 | 0 | 21.82 | 22.01 | 21.97 | 2 | 75 | | 0 | 21.78 | 21.98 | 21.87 | 2 | | | | |
| | 64QAM | 1 | 0 | 22.06 | 22.25 | 22.21 | 2 | | 64QAM | 1 | 0 | 22.02 | 22.17 | 22.16 | 2 | | |
| | | 1 | 50 | 21.98 | 22.17 | 22.13 | 2 | | | 1 | 37 | 21.93 | 22.16 | 22.11 | 2 | | |
| | | 1 | 99 | 21.92 | 22.11 | 22.07 | 2 | | | 1 | 74 | 21.92 | 22.06 | 22.03 | 2 | | |
| | | 50 | 0 | 20.97 | 21.16 | 21.12 | 3 | | | 36 | 0 | 20.87 | 21.06 | 21.12 | 3 | | |
| | | 50 | 25 | 20.86 | 21.05 | 21.01 | 3 | | | 36 | 19 | 20.84 | 21.04 | 20.95 | 3 | | |
| | | 50 | 50 | 20.84 | 21.03 | 20.99 | 3 | | | 36 | 39 | 20.78 | 20.94 | 20.93 | 3 | | |
| | 100 | 0 | 20.87 | 21.06 | 21.02 | 3 | 75 | | 0 | 20.80 | 20.97 | 20.93 | 3 | | | | |
| | 10M | QPSK | 1 | 0 | 23.75 | 23.99 | 23.85 | | 0 | 5M | QPSK | 1 | 0 | 23.71 | 23.89 | 23.83 | 0 |
| | | | 1 | 24 | 23.53 | 23.77 | 23.63 | | 0 | | | 1 | 12 | 23.43 | 23.80 | 23.62 | 0 |
| | | | 1 | 49 | 23.50 | 23.68 | 23.65 | | 0 | | | 1 | 24 | 23.52 | 23.74 | 23.60 | 0 |
| 25 | | | 0 | 22.31 | 22.53 | 22.49 | 1 | 12 | 0 | | | 22.31 | 22.62 | 22.30 | 1 | | |
| 25 | | | 12 | 22.02 | 22.19 | 22.10 | 1 | 12 | 6 | | | 22.03 | 22.17 | 22.04 | 1 | | |
| 25 | | | 25 | 22.26 | 22.35 | 22.34 | 1 | 12 | 13 | | | 22.24 | 22.45 | 22.23 | 1 | | |
| 50 | | 0 | 21.74 | 22.02 | 21.81 | 1 | 25 | 0 | 21.74 | | 21.87 | 21.86 | 1 | | | | |
| 16QAM | | 1 | 0 | 22.82 | 22.95 | 23.04 | 1 | 16QAM | 1 | | 0 | 22.79 | 23.09 | 23.06 | 1 | | |
| | | 1 | 24 | 22.81 | 22.90 | 22.85 | 1 | | 1 | | 12 | 22.79 | 23.02 | 22.90 | 1 | | |
| | | 1 | 49 | 22.77 | 22.85 | 22.88 | 1 | | 1 | | 24 | 22.74 | 22.93 | 22.87 | 1 | | |
| | | 25 | 0 | 21.61 | 21.75 | 21.84 | 2 | | 12 | | 0 | 21.56 | 21.74 | 21.84 | 2 | | |
| | | 25 | 12 | 21.59 | 21.81 | 21.71 | 2 | | 12 | | 6 | 21.63 | 21.86 | 21.74 | 2 | | |
| | | 25 | 25 | 21.53 | 21.78 | 21.74 | 2 | | 12 | | 13 | 21.54 | 21.76 | 21.74 | 2 | | |
| 50 | | 0 | 21.63 | 21.90 | 21.86 | 2 | 25 | 0 | 21.61 | | 21.89 | 21.81 | 2 | | | | |
| 64QAM | | 1 | 0 | 21.92 | 22.10 | 22.14 | 2 | 64QAM | 1 | | 0 | 21.88 | 22.14 | 22.02 | 2 | | |
| | | 1 | 24 | 21.83 | 21.99 | 21.98 | 2 | | 1 | | 12 | 21.80 | 22.05 | 22.02 | 2 | | |
| | | 1 | 49 | 21.88 | 21.99 | 21.88 | 2 | | 1 | | 24 | 21.85 | 21.96 | 21.96 | 2 | | |
| | | 25 | 0 | 20.90 | 20.99 | 21.01 | 3 | | 12 | | 0 | 20.75 | 21.13 | 20.91 | 3 | | |
| | | 25 | 12 | 20.74 | 21.02 | 20.81 | 3 | | 12 | | 6 | 20.67 | 20.87 | 20.87 | 3 | | |
| | | 25 | 25 | 20.75 | 20.80 | 20.86 | 3 | | 12 | | 13 | 20.84 | 20.89 | 20.88 | 3 | | |
| 50 | | 0 | 20.73 | 20.94 | 20.95 | 3 | 25 | 0 | 20.78 | | 20.91 | 20.95 | 3 | | | | |
| 3M | | QPSK | 1 | 0 | 23.71 | 23.79 | 23.78 | 0 | 1.4M | | QPSK | 1 | 0 | 23.71 | 23.82 | 23.88 | 0 |
| | | | 1 | 7 | 23.56 | 23.66 | 23.67 | 0 | | | | 1 | 2 | 23.60 | 23.68 | 23.72 | 0 |
| | | | 1 | 14 | 23.60 | 23.65 | 23.72 | 0 | | | | 1 | 5 | 23.46 | 23.70 | 23.71 | 0 |
| | 8 | | 0 | 22.31 | 22.56 | 22.57 | 1 | 3 | | 0 | | 23.48 | 23.55 | 23.42 | 0 | | |
| | 8 | | 3 | 22.02 | 22.11 | 22.07 | 1 | 3 | | 1 | | 22.88 | 23.06 | 23.06 | 0 | | |
| | 8 | | 7 | 22.21 | 22.46 | 22.45 | 1 | 3 | | 3 | | 23.30 | 23.42 | 23.41 | 0 | | |
| | 15 | 0 | 21.72 | 21.94 | 21.87 | 1 | 6 | 0 | | 21.78 | 21.92 | 21.98 | 1 | | | | |
| | 16QAM | 1 | 0 | 22.96 | 23.07 | 22.96 | 1 | 16QAM | | 1 | 0 | 22.81 | 22.97 | 23.07 | 1 | | |
| | | 1 | 7 | 22.74 | 22.93 | 22.87 | 1 | | | 1 | 2 | 22.68 | 22.87 | 22.86 | 1 | | |
| | | 1 | 14 | 22.68 | 22.97 | 22.86 | 1 | | | 1 | 5 | 22.74 | 22.88 | 22.90 | 1 | | |
| | | 8 | 0 | 21.59 | 21.74 | 21.78 | 2 | | | 3 | 0 | 22.57 | 22.79 | 22.82 | 1 | | |
| | | 8 | 3 | 21.63 | 21.89 | 21.77 | 2 | | | 3 | 1 | 22.68 | 22.85 | 22.84 | 1 | | |
| | | 8 | 7 | 21.66 | 21.68 | 21.68 | 2 | | | 3 | 3 | 22.56 | 22.70 | 22.70 | 1 | | |
| | 15 | 0 | 21.78 | 21.90 | 21.83 | 2 | 6 | 0 | | 21.73 | 21.87 | 21.86 | 2 | | | | |
| | 64QAM | 1 | 0 | 21.97 | 22.16 | 22.18 | 2 | 64QAM | | 1 | 0 | 21.84 | 22.11 | 22.07 | 2 | | |
| | | 1 | 7 | 21.84 | 22.02 | 22.11 | 2 | | | 1 | 2 | 21.83 | 22.07 | 21.95 | 2 | | |
| | | 1 | 14 | 21.86 | 21.90 | 22.02 | 2 | | | 1 | 5 | 21.87 | 22.07 | 21.96 | 2 | | |
| | | 8 | 0 | 20.87 | 21.02 | 21.02 | 3 | | | 3 | 0 | 21.89 | 22.02 | 21.94 | 2 | | |
| | | 8 | 3 | 20.76 | 20.94 | 20.93 | 3 | | | 3 | 1 | 21.83 | 21.86 | 21.85 | 2 | | |
| | | 8 | 7 | 20.64 | 20.82 | 20.93 | 3 | | | 3 | 3 | 21.83 | 21.84 | 21.98 | 2 | | |
| | 15 | 0 | 20.75 | 20.88 | 20.92 | 3 | 6 | 0 | | 20.79 | 20.93 | 20.91 | 3 | | | | |



SAR Test Report

| LTE Band 66 | | | | | | | | | | | | | | | | | |
|---|-----------|---------|-----------|-----------------|--------|--------|---------------|-----|-----------|---------|-----------|--------|-----------------|--------|---------------|--------|--------|
| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | |
| BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | BW | MCS Index | RB Size | RB Offset | Low | Mid | High | 3GPP MPR (dB) | | |
| | | | | Channel | 132072 | 132322 | | | | | | 132572 | Channel | 132047 | | 132322 | 132597 |
| | | | | Frequency (MHz) | 1720.0 | 1745.0 | | | | | | 1770.0 | Frequency (MHz) | 1717.5 | | 1745.0 | 1772.5 |
| 20M | QPSK | 1 | 0 | 16.99 | 16.97 | 17.00 | 0 | 15M | QPSK | 1 | 0 | 16.92 | 16.95 | 16.97 | 0 | | |
| | | 1 | 50 | 16.87 | 16.85 | 16.91 | 0 | | | 1 | 37 | 16.77 | 16.81 | 16.87 | 0 | | |
| | | 1 | 99 | 16.82 | 16.81 | 16.86 | 0 | | | 1 | 74 | 16.78 | 16.73 | 16.80 | 0 | | |
| | | 50 | 0 | 16.93 | 16.81 | 16.95 | 0 | | | 36 | 0 | 16.93 | 16.77 | 16.90 | 0 | | |
| | | 50 | 25 | 16.88 | 16.85 | 16.90 | 0 | | | 36 | 19 | 16.80 | 16.83 | 16.82 | 0 | | |
| | | 50 | 50 | 16.81 | 16.78 | 16.83 | 0 | | | 36 | 39 | 16.77 | 16.73 | 16.74 | 0 | | |
| | 100 | 0 | 16.92 | 16.90 | 16.93 | 0 | 75 | | 0 | 16.83 | 16.83 | 16.90 | 0 | | | | |
| | 16QAM | 1 | 0 | 16.98 | 16.94 | 16.98 | 0 | | 1 | 0 | 16.96 | 16.89 | 16.92 | 0 | | | |
| | | 1 | 50 | 16.80 | 16.77 | 16.82 | 0 | | 1 | 37 | 16.72 | 16.74 | 16.77 | 0 | | | |
| | | 1 | 99 | 16.77 | 16.74 | 16.78 | 0 | | 1 | 74 | 16.70 | 16.74 | 16.74 | 0 | | | |
| | | 50 | 0 | 16.91 | 16.79 | 16.91 | 0 | | 36 | 0 | 16.84 | 16.79 | 16.81 | 0 | | | |
| | | 50 | 25 | 16.81 | 16.85 | 16.81 | 0 | | 36 | 19 | 16.73 | 16.80 | 16.81 | 0 | | | |
| | | 50 | 50 | 16.76 | 16.70 | 16.73 | 0 | | 36 | 39 | 16.70 | 16.63 | 16.67 | 0 | | | |
| | 100 | 0 | 16.88 | 16.90 | 16.90 | 0 | 75 | | 0 | 16.83 | 16.89 | 16.83 | 0 | | | | |
| | 64QAM | 1 | 0 | 16.96 | 16.94 | 16.97 | 0 | | 1 | 0 | 16.86 | 16.87 | 16.91 | 0 | | | |
| | | 1 | 50 | 16.78 | 16.76 | 16.91 | 0 | | 1 | 37 | 16.73 | 16.71 | 16.89 | 0 | | | |
| | | 1 | 99 | 16.80 | 16.77 | 16.79 | 0 | | 1 | 74 | 16.72 | 16.71 | 16.76 | 0 | | | |
| | | 50 | 0 | 16.91 | 16.71 | 16.91 | 0 | | 36 | 0 | 16.81 | 16.70 | 16.90 | 0 | | | |
| | | 50 | 25 | 16.87 | 16.82 | 16.80 | 0 | | 36 | 19 | 16.84 | 16.78 | 16.75 | 0 | | | |
| | | 50 | 50 | 16.77 | 16.68 | 16.76 | 0 | | 36 | 39 | 16.68 | 16.63 | 16.72 | 0 | | | |
| | 100 | 0 | 16.89 | 16.89 | 16.93 | 0 | 75 | | 0 | 16.80 | 16.85 | 16.84 | 0 | | | | |
| | 10M | QPSK | 1 | 0 | 16.88 | 16.90 | 16.78 | | 0 | 5M | QPSK | 1 | 0 | 16.92 | 16.80 | 16.87 | 0 |
| | | | 1 | 24 | 16.71 | 16.75 | 16.69 | | 0 | | | 1 | 12 | 16.77 | 16.76 | 16.83 | 0 |
| | | | 1 | 49 | 16.74 | 16.66 | 16.68 | | 0 | | | 1 | 24 | 16.67 | 16.75 | 16.71 | 0 |
| 25 | | | 0 | 16.75 | 16.74 | 16.82 | 0 | 12 | 0 | | | 16.84 | 16.62 | 16.90 | 0 | | |
| 25 | | | 12 | 16.66 | 16.78 | 16.65 | 0 | 12 | 6 | | | 16.73 | 16.70 | 16.65 | 0 | | |
| 25 | | | 25 | 16.67 | 16.72 | 16.77 | 0 | 12 | 13 | | | 16.65 | 16.77 | 16.56 | 0 | | |
| 50 | | 0 | 16.90 | 16.66 | 16.79 | 0 | 25 | 0 | 16.78 | | 16.71 | 16.71 | 0 | | | | |
| 16QAM | | 1 | 0 | 16.92 | 16.88 | 16.90 | 0 | 1 | 0 | | 16.83 | 16.90 | 16.76 | 0 | | | |
| | | 1 | 24 | 16.72 | 16.60 | 16.77 | 0 | 1 | 12 | | 16.79 | 16.56 | 16.71 | 0 | | | |
| | | 1 | 49 | 16.71 | 16.66 | 16.70 | 0 | 1 | 24 | | 16.70 | 16.56 | 16.67 | 0 | | | |
| | | 25 | 0 | 16.82 | 16.73 | 16.73 | 0 | 12 | 0 | | 16.76 | 16.64 | 16.81 | 0 | | | |
| | | 25 | 12 | 16.78 | 16.75 | 16.69 | 0 | 12 | 6 | | 16.68 | 16.74 | 16.71 | 0 | | | |
| | | 25 | 25 | 16.69 | 16.60 | 16.63 | 0 | 12 | 13 | | 16.61 | 16.51 | 16.52 | 0 | | | |
| 50 | | 0 | 16.72 | 16.71 | 16.75 | 0 | 25 | 0 | 16.80 | | 16.84 | 16.75 | 0 | | | | |
| 64QAM | | 1 | 0 | 16.77 | 16.88 | 16.83 | 0 | 1 | 0 | | 16.92 | 16.83 | 16.85 | 0 | | | |
| | | 1 | 24 | 16.64 | 16.69 | 16.84 | 0 | 1 | 12 | | 16.64 | 16.59 | 16.72 | 0 | | | |
| | | 1 | 49 | 16.73 | 16.69 | 16.60 | 0 | 1 | 24 | | 16.67 | 16.56 | 16.66 | 0 | | | |
| | | 25 | 0 | 16.73 | 16.63 | 16.86 | 0 | 12 | 0 | | 16.70 | 16.52 | 16.86 | 0 | | | |
| | | 25 | 12 | 16.75 | 16.67 | 16.68 | 0 | 12 | 6 | | 16.78 | 16.59 | 16.72 | 0 | | | |
| | | 25 | 25 | 16.71 | 16.55 | 16.65 | 0 | 12 | 13 | | 16.64 | 16.53 | 16.61 | 0 | | | |
| 50 | | 0 | 16.81 | 16.85 | 16.79 | 0 | 25 | 0 | 16.72 | | 16.81 | 16.86 | 0 | | | | |
| 3M | | QPSK | 1 | 0 | 16.87 | 16.93 | 16.89 | 0 | 1.4M | | QPSK | 1 | 0 | 16.78 | 16.89 | 16.87 | 0 |
| | | | 1 | 7 | 16.72 | 16.72 | 16.75 | 0 | | | | 1 | 2 | 16.78 | 16.71 | 16.76 | 0 |
| | | | 1 | 14 | 16.62 | 16.79 | 16.75 | 0 | | | | 1 | 5 | 16.62 | 16.68 | 16.84 | 0 |
| | 8 | | 0 | 16.87 | 16.78 | 16.87 | 0 | 3 | | 0 | | 16.88 | 16.68 | 16.74 | 0 | | |
| | 8 | | 3 | 16.71 | 16.71 | 16.88 | 0 | 3 | | 1 | | 16.73 | 16.67 | 16.80 | 0 | | |
| | 8 | | 7 | 16.64 | 16.55 | 16.79 | 0 | 3 | | 3 | | 16.64 | 16.77 | 16.69 | 0 | | |
| | 15 | 0 | 16.85 | 16.76 | 16.84 | 0 | 6 | 0 | | 16.68 | 16.75 | 16.83 | 0 | | | | |
| | 16QAM | 1 | 0 | 16.90 | 16.94 | 16.75 | 0 | 1 | | 0 | 16.93 | 16.87 | 16.87 | 0 | | | |
| | | 1 | 7 | 16.67 | 16.56 | 16.73 | 0 | 1 | | 2 | 16.62 | 16.66 | 16.78 | 0 | | | |
| | | 1 | 14 | 16.66 | 16.57 | 16.68 | 0 | 1 | | 5 | 16.56 | 16.55 | 16.60 | 0 | | | |
| | | 8 | 0 | 16.87 | 16.57 | 16.72 | 0 | 3 | | 0 | 16.91 | 16.61 | 16.78 | 0 | | | |
| | | 8 | 3 | 16.63 | 16.75 | 16.70 | 0 | 3 | | 1 | 16.64 | 16.67 | 16.67 | 0 | | | |
| | | 8 | 7 | 16.72 | 16.56 | 16.55 | 0 | 3 | | 3 | 16.63 | 16.53 | 16.48 | 0 | | | |
| | 15 | 0 | 16.78 | 16.81 | 16.76 | 0 | 6 | 0 | | 16.72 | 16.74 | 16.73 | 0 | | | | |
| | 64QAM | 1 | 0 | 16.86 | 16.75 | 16.77 | 0 | 1 | | 0 | 16.86 | 16.88 | 16.91 | 0 | | | |
| | | 1 | 7 | 16.63 | 16.55 | 16.77 | 0 | 1 | | 2 | 16.74 | 16.56 | 16.74 | 0 | | | |
| | | 1 | 14 | 16.80 | 16.69 | 16.74 | 0 | 1 | | 5 | 16.61 | 16.60 | 16.75 | 0 | | | |
| | | 8 | 0 | 16.74 | 16.62 | 16.70 | 0 | 3 | | 0 | 16.80 | 16.67 | 16.74 | 0 | | | |
| | | 8 | 3 | 16.80 | 16.72 | 16.60 | 0 | 3 | | 1 | 16.63 | 16.80 | 16.74 | 0 | | | |
| | | 8 | 7 | 16.64 | 16.56 | 16.61 | 0 | 3 | | 3 | 16.64 | 16.50 | 16.66 | 0 | | | |
| | 15 | 0 | 16.79 | 16.71 | 16.77 | 0 | 6 | 0 | | 16.68 | 16.82 | 16.80 | 0 | | | | |

4.7 SAR Testing Results

4.7.1 SAR Test Reduction Considerations

<KDB 447498 D01, General RF Exposure Guidance>

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

- (1) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- (2) ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- (3) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

When SAR is not measured at the maximum power level allowed for production units, the measured SAR will be scaled to the maximum tune-up tolerance limit to determine compliance. The scaling factor for the tune-up power is defined as maximum tune-up limit (mW) / measured conducted power (mW). The reported SAR would be calculated by measured SAR x tune-up power scaling factor.

The SAR has been measured with highest transmission duty factor supported by the test mode tools for WLAN and/or Bluetooth. When the transmission duty factor could not achieve 100%, the reported SAR will be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up power. The scaling factor for the duty factor is defined as 100% / transmission duty cycle (%). The reported SAR would be calculated by measured SAR x tune-up power scaling factor x duty cycle scaling factor.

<KDB 941225 D01, 3G SAR Measurement Procedures>

The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

<KDB 941225 D05, SAR Evaluation Considerations for LTE Devices>

- (1) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

SAR Test Report

(2) QPSK with 100% RB allocation

SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

(3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $>1/2$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

(4) Other channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is $>1/2$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

<Power Confirmation for SAR Test Exclusion for LTE Downlink CA>

According to KDB 941225 D05A, the uplink maximum output power below was measured with downlink CA active on the channel with highest measured maximum output power when downlink CA is inactive. The downlink SCC channel was paired with the uplink channel as normal operation. For intra-band contiguous CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing per section 5.4.1A of 3GPP TS36.521. For intra-band non-contiguous CA, the downlink channel spacing between the component carriers was set to maximum separation from PCC and remain fully within the downlink transmission band. For Inter-band CA, the SCC downlink channel was set to near the middle of its transmission band.

SAR Test Report

Power Measurements for Inter-Band Downlink CA

| EUT without Power Reduction (P-Sensor NOT Triggered) | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|----------|------------|----------------|----------|----------|------------|----------------|----------|----------|------------|----------------|----------|----------|------------|----------------|----------|----------|------------|----------------|----------------------------------|-------------------------------|
| CA Combination | PCC | | | | SCC1 | | | | SCC2 | | | | SCC3 | | | | SCC4 | | | | Power | |
| | LTE Band | BW [Mhz] | UL Channel | UL Freq. [MHz] | LTE Band | BW [Mhz] | DL Channel | DL Freq. [MHz] | LTE Band | BW [Mhz] | DL Channel | DL Freq. [MHz] | LTE Band | BW [Mhz] | DL Channel | DL Freq. [MHz] | LTE Band | BW [Mhz] | DL Channel | DL Freq. [MHz] | Tx Power with DL-CA Active (dBm) | Single Carrier Tx Power (dBm) |
| CA_41C | 41 | 20 | 40185 | 2549.5 | 41 | 20 | 40383 | 2569.3 | | | | | | | | | | | | | 24.5 | 24.01 |
| CA_2A-5B-30A-66A | 2 | 20 | 18900 | 1880 | 5 | 10 | 2450 | 874 | 5 | 10 | 2549 | 838.9 | 30 | 10 | 9820 | 2355 | 66 | 20 | 66786 | 1745 | 24.5 | 23.45 |
| CA_2A-12A-30A-66A | 2 | 20 | 18900 | 1880 | 12 | 10 | 5095 | 737.5 | 30 | 10 | 9820 | 2355 | 66 | 20 | 66786 | 1745 | | | | | 24.5 | 23.45 |
| CA_2A-13A-46D | 2 | 20 | 18900 | 1880 | 13 | 10 | 5230 | 751 | 46 | 20 | 50492 | 5520.2 | 46 | 20 | 50690 | 5540 | 46 | 20 | 50888 | 5559.8 | 24.5 | 23.45 |
| CA_2A-46D-66A | 2 | 20 | 18900 | 1880 | 46 | 20 | 50490 | 5520.2 | 66 | 20 | 66786 | 1745 | | | | | | | | | 24.5 | 23.45 |
| CA_13A-46D-66A | 13 | 10 | 23230 | 782 | 46 | 20 | 50490 | 5520.2 | 66 | 20 | 66786 | 1745 | | | | | | | | | 24.5 | 24.03 |
| CA_2A-2A-13A-66A | 2 | 20 | 18900 | 1880 | 2 | 20 | 1100 | 1980 | 13 | 10 | 5230 | 751 | 66 | 20 | 66786 | 1745 | | | | | 24.5 | 23.45 |
| CA_2A-13A-66B | 2 | 20 | 18900 | 1880 | 13 | 10 | 5230 | 751 | 66 | 15 | 67061 | 2172.5 | 66 | 5 | 66966 | 2163 | | | | | 24.5 | 23.45 |
| CA_2A-13A-66C | 2 | 20 | 18900 | 1880 | 13 | 10 | 5230 | 751 | 66 | 20 | 66536 | 2120 | 66 | 20 | 66734 | 2139.8 | | | | | 24.5 | 23.45 |
| CA_2A-4A-5A | 2 | 20 | 18900 | 1880 | 4 | 20 | 2175 | 2132.5 | 5 | 10 | 2525 | 881.5 | | | | | | | | | 24.5 | 23.45 |
| CA_2A-4A-13A | 2 | 20 | 18900 | 1880 | 4 | 20 | 2175 | 2132.5 | 13 | 10 | 5230 | 751 | | | | | | | | | 24.5 | 23.45 |
| CA_2A-14A-30A | 2 | 20 | 18900 | 1880 | 14 | 10 | 5330 | 763 | 30 | 10 | 9820 | 2355 | | | | | | | | | 24.5 | 23.45 |
| CA_14A-66A-66A | 14 | 10 | 23330 | 793 | 66 | 20 | 66786 | 2145 | 66 | 20 | 67036 | 2170 | | | | | | | | | 24.5 | 23.66 |
| CA_2A-29A | 2 | 20 | 18900 | 1880 | 29 | 10 | 9715 | 722.5 | | | | | | | | | | | | | 24.5 | 23.45 |
| CA_2A-46A | 2 | 20 | 18900 | 1880 | 46 | 20 | 50665 | 5537.5 | | | | | | | | | | | | | 24.5 | 23.45 |
| CA_4A-5A | 4 | 20 | 20175 | 1732.5 | 5 | 10 | 2525 | 881.5 | | | | | | | | | | | | | 24.5 | 23.71 |
| CA_4A-13A | 4 | 20 | 20175 | 1732.5 | 13 | 10 | 5230 | 751 | | | | | | | | | | | | | 24.5 | 23.71 |
| CA_4A-46A | 4 | 20 | 20175 | 1732.5 | 46 | 20 | 50665 | 5537.5 | | | | | | | | | | | | | 24.5 | 23.71 |
| CA_25A-26A | 25 | 20 | 26365 | 1882.5 | 26 | 15 | 8865 | 876.5 | | | | | | | | | | | | | 24.5 | 23.31 |
| CA_30A-29A | 30 | 10 | 27710 | 2310 | 29 | 10 | 9715 | 722.5 | | | | | | | | | | | | | 23 | 22.42 |
| CA_66A-29A | 66 | 20 | 132322 | 1745 | 29 | 10 | 9715 | 722.5 | | | | | | | | | | | | | 24.5 | 24.02 |

| EUT with Power Reduction (P-Sensor Triggered) | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|----------|------------|----------------|----------|----------|------------|----------------|----------|----------|------------|----------------|----------|----------|------------|----------------|----------|----------|------------|----------------|----------------------------------|-------------------------------|
| CA Combination | PCC | | | | SCC1 | | | | SCC2 | | | | SCC3 | | | | SCC4 | | | | Power | |
| | LTE Band | BW [Mhz] | UL Channel | UL Freq. [MHz] | LTE Band | BW [Mhz] | DL Channel | DL Freq. [MHz] | LTE Band | BW [Mhz] | DL Channel | DL Freq. [MHz] | LTE Band | BW [Mhz] | DL Channel | DL Freq. [MHz] | LTE Band | BW [Mhz] | DL Channel | DL Freq. [MHz] | Tx Power with DL-CA Active (dBm) | Single Carrier Tx Power (dBm) |
| CA_41C | 41 | 20 | 40185 | 2549.5 | 41 | 20 | 40383 | 2569.3 | | | | | | | | | | | | | 17.00 | 16.71 |
| CA_2A-5B-30A-66A | 2 | 20 | 18900 | 1880 | 5 | 10 | 2450 | 874 | 5 | 10 | 2549 | 838.9 | 30 | 10 | 9820 | 2355 | 66 | 20 | 66786 | 1745 | 15.50 | 15.39 |
| CA_2A-12A-30A-66A | 2 | 20 | 18900 | 1880 | 12 | 10 | 5095 | 737.5 | 30 | 10 | 9820 | 2355 | 66 | 20 | 66786 | 1745 | | | | | 15.50 | 15.34 |
| CA_2A-13A-46D | 2 | 20 | 18900 | 1880 | 13 | 10 | 5230 | 751 | 46 | 20 | 50492 | 5520.2 | 46 | 20 | 50690 | 5540 | 46 | 20 | 50888 | 5559.8 | 15.50 | 15.44 |
| CA_2A-46D-66A | 2 | 20 | 18900 | 1880 | 46 | 20 | 50490 | 5520.2 | 66 | 20 | 66786 | 1745 | | | | | | | | | 15.50 | 15.34 |
| CA_13A-46D-66A | 13 | 10 | 23230 | 782 | 46 | 20 | 50490 | 5520.2 | 66 | 20 | 66786 | 1745 | | | | | | | | | 18.34 | 18.30 |
| CA_2A-2A-13A-66A | 2 | 20 | 18900 | 1880 | 2 | 20 | 1100 | 1980 | 13 | 10 | 5230 | 751 | 66 | 20 | 66786 | 1745 | | | | | 15.50 | 15.37 |
| CA_2A-13A-66B | 2 | 20 | 18900 | 1880 | 13 | 10 | 5230 | 751 | 66 | 15 | 67061 | 2172.5 | 66 | 5 | 66966 | 2163 | | | | | 15.50 | 15.49 |
| CA_2A-13A-66C | 2 | 20 | 18900 | 1880 | 13 | 10 | 5230 | 751 | 66 | 20 | 66536 | 2120 | 66 | 20 | 66734 | 2139.8 | | | | | 15.50 | 15.25 |
| CA_2A-4A-5A | 2 | 20 | 18900 | 1880 | 4 | 20 | 2175 | 2132.5 | 5 | 10 | 2525 | 881.5 | | | | | | | | | 15.50 | 15.31 |
| CA_2A-4A-13A | 2 | 20 | 18900 | 1880 | 4 | 20 | 2175 | 2132.5 | 13 | 10 | 5230 | 751 | | | | | | | | | 15.50 | 15.33 |
| CA_2A-14A-30A | 2 | 20 | 18900 | 1880 | 14 | 10 | 5330 | 763 | 30 | 10 | 9820 | 2355 | | | | | | | | | 15.50 | 15.24 |
| CA_14A-66A-66A | 14 | 10 | 23330 | 793 | 66 | 20 | 66786 | 2145 | 66 | 20 | 67036 | 2170 | | | | | | | | | 18.41 | 18.41 |
| CA_2A-29A | 2 | 20 | 18900 | 1880 | 29 | 10 | 9715 | 722.5 | | | | | | | | | | | | | 15.50 | 15.44 |
| CA_2A-46A | 2 | 20 | 18900 | 1880 | 46 | 20 | 50665 | 5537.5 | | | | | | | | | | | | | 15.50 | 15.43 |
| CA_4A-5A | 4 | 20 | 20175 | 1732.5 | 5 | 10 | 2525 | 881.5 | | | | | | | | | | | | | 16.98 | 16.88 |
| CA_4A-13A | 4 | 20 | 20175 | 1732.5 | 13 | 10 | 5230 | 751 | | | | | | | | | | | | | 16.98 | 16.80 |
| CA_4A-46A | 4 | 20 | 20175 | 1732.5 | 46 | 20 | 50665 | 5537.5 | | | | | | | | | | | | | 16.98 | 16.82 |
| CA_25A-26A | 25 | 20 | 26365 | 1882.5 | 26 | 15 | 8865 | 876.5 | | | | | | | | | | | | | 15.50 | 15.45 |
| CA_30A-29A | 30 | 10 | 27710 | 2310 | 29 | 10 | 9715 | 722.5 | | | | | | | | | | | | | 14.96 | 14.88 |
| CA_66A-29A | 66 | 20 | 132322 | 1745 | 29 | 10 | 9715 | 722.5 | | | | | | | | | | | | | 17.00 | 16.72 |

Summary for SAR Test Exclusion for LTE Downlink CA

Per power confirmation results in above, the uplink maximum output power with downlink CA active remains within the specified tune-up tolerance and not more than 0.25 dB higher than the maximum output power with downlink CA inactive. According to KDB 941225 D05A, the SAR test exclusion applies to LTE downlink CA operation.

SAR Test Report

4.7.2 SAR Results for Body Exposure Condition

Tablet Mode

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|----------|----------|---------------|--------------------------|---------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| 01 | WCDMA II | RMC12.2K | Rear Face | 0 | 9538 | 1 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | 0.05 | 0.991 | 0.99 |
| | WCDMA II | RMC12.2K | Bottom Side | 0 | 9538 | 1 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | 0.11 | 0.377 | 0.38 |
| | WCDMA II | RMC12.2K | Rear Face | 10 | 9538 | 1 | 4Cell | w/o | 24.50 | 23.75 | 1.19 | 0.16 | 0.567 | 0.67 |
| | WCDMA II | RMC12.2K | Left Side | 0 | 9538 | 1 | 4Cell | w/o | 24.50 | 23.75 | 1.19 | -0.02 | 0.391 | 0.47 |
| | WCDMA II | RMC12.2K | Right Side | 0 | 9538 | 1 | 4Cell | w/o | 24.50 | 23.75 | 1.19 | -0.11 | 0.156 | 0.19 |
| | WCDMA II | RMC12.2K | Top Side | 0 | 9538 | 1 | 4Cell | w/o | 24.50 | 23.75 | 1.19 | 0 | <0.001 | 0.00 |
| | WCDMA II | RMC12.2K | Bottom Side | 10 | 9538 | 1 | 4Cell | w/o | 24.50 | 23.75 | 1.19 | -0.11 | 0.255 | 0.30 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9262 | 1 | 4Cell | w/ | 15.50 | 15.32 | 1.04 | 0.02 | 0.854 | 0.89 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9400 | 1 | 4Cell | w/ | 15.50 | 15.35 | 1.04 | 0.07 | 0.919 | 0.96 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9538 | 2 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | -0.02 | 0.943 | 0.94 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9262 | 2 | 4Cell | w/ | 15.50 | 15.32 | 1.04 | 0.08 | 0.815 | 0.85 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9400 | 2 | 4Cell | w/ | 15.50 | 15.35 | 1.04 | 0.07 | 0.862 | 0.90 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9538 | 3 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | -0.03 | 0.903 | 0.90 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9262 | 3 | 4Cell | w/ | 15.50 | 15.32 | 1.04 | 0.01 | 0.811 | 0.84 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9400 | 3 | 4Cell | w/ | 15.50 | 15.35 | 1.04 | 0.02 | 0.803 | 0.84 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9538 | 4 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | 0.04 | 0.879 | 0.88 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9262 | 4 | 4Cell | w/ | 15.50 | 15.32 | 1.04 | 0.05 | 0.803 | 0.84 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9400 | 4 | 4Cell | w/ | 15.50 | 15.35 | 1.04 | -0.13 | 0.801 | 0.83 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9538 | 1 | 6Cell | w/ | 15.50 | 15.48 | 1.00 | 0.18 | 0.947 | 0.95 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9262 | 1 | 6Cell | w/ | 15.50 | 15.32 | 1.04 | 0.02 | 0.91 | 0.95 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9400 | 1 | 6Cell | w/ | 15.50 | 15.35 | 1.04 | 0.13 | 0.903 | 0.94 |
| | WCDMA II | RMC12.2K | Rear Face | 0 | 9538 | 1 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | 0.05 | 0.959 | 0.96 |
| | WCDMA IV | RMC12.2K | Rear Face | 0 | 1312 | 1 | 4Cell | w/ | 16.50 | 16.47 | 1.01 | -0.02 | 0.678 | 0.68 |
| | WCDMA IV | RMC12.2K | Bottom Side | 0 | 1312 | 1 | 4Cell | w/ | 16.50 | 16.47 | 1.01 | -0.16 | 0.278 | 0.28 |
| | WCDMA IV | RMC12.2K | Rear Face | 10 | 1413 | 1 | 4Cell | w/o | 24.50 | 24.11 | 1.09 | 0.04 | 0.553 | 0.60 |
| | WCDMA IV | RMC12.2K | Left Side | 0 | 1413 | 1 | 4Cell | w/o | 24.50 | 24.11 | 1.09 | -0.19 | 0.286 | 0.31 |
| | WCDMA IV | RMC12.2K | Right Side | 0 | 1413 | 1 | 4Cell | w/o | 24.50 | 24.11 | 1.09 | 0 | <0.001 | 0.00 |
| | WCDMA IV | RMC12.2K | Top Side | 0 | 1413 | 1 | 4Cell | w/o | 24.50 | 24.11 | 1.09 | 0 | <0.001 | 0.00 |
| | WCDMA IV | RMC12.2K | Bottom Side | 10 | 1413 | 1 | 4Cell | w/o | 24.50 | 24.11 | 1.09 | 0.13 | 0.358 | 0.39 |
| | WCDMA IV | RMC12.2K | Rear Face | 0 | 1413 | 1 | 4Cell | w/ | 16.50 | 16.27 | 1.05 | 0.16 | 0.724 | 0.76 |
| 02 | WCDMA IV | RMC12.2K | Rear Face | 0 | 1513 | 1 | 4Cell | w/ | 16.50 | 16.15 | 1.08 | 0.06 | 0.745 | 0.80 |
| | WCDMA IV | RMC12.2K | Rear Face | 0 | 1513 | 2 | 4Cell | w/ | 16.50 | 16.15 | 1.08 | -0.06 | 0.685 | 0.74 |
| | WCDMA IV | RMC12.2K | Rear Face | 0 | 1513 | 3 | 4Cell | w/ | 16.50 | 16.15 | 1.08 | -0.16 | 0.701 | 0.76 |
| | WCDMA IV | RMC12.2K | Rear Face | 0 | 1513 | 4 | 4Cell | w/ | 16.50 | 16.15 | 1.08 | -0.15 | 0.561 | 0.61 |
| | WCDMA IV | RMC12.2K | Rear Face | 0 | 1513 | 1 | 6Cell | w/ | 16.50 | 16.15 | 1.08 | -0.06 | 0.724 | 0.78 |
| | WCDMA V | RMC12.2K | Rear Face | 0 | 4182 | 1 | 4Cell | w/ | 19.00 | 18.88 | 1.03 | 0.13 | 0.685 | 0.71 |
| | WCDMA V | RMC12.2K | Bottom Side | 0 | 4182 | 1 | 4Cell | w/ | 19.00 | 18.88 | 1.03 | 0.16 | 0.332 | 0.34 |
| | WCDMA V | RMC12.2K | Rear Face | 10 | 4182 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | 0.06 | 0.391 | 0.44 |
| | WCDMA V | RMC12.2K | Left Side | 0 | 4182 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | -0.06 | 0.346 | 0.39 |
| | WCDMA V | RMC12.2K | Right Side | 0 | 4182 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | 0 | <0.001 | 0.00 |
| | WCDMA V | RMC12.2K | Top Side | 0 | 4182 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | 0 | <0.001 | 0.00 |
| | WCDMA V | RMC12.2K | Bottom Side | 10 | 4182 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | -0.06 | 0.156 | 0.17 |
| 03 | WCDMA V | RMC12.2K | Rear Face | 0 | 4132 | 1 | 4Cell | w/ | 19.00 | 18.76 | 1.06 | -0.02 | 0.701 | 0.74 |
| | WCDMA V | RMC12.2K | Rear Face | 0 | 4233 | 1 | 4Cell | w/ | 19.00 | 18.70 | 1.07 | 0.12 | 0.631 | 0.68 |
| | WCDMA V | RMC12.2K | Rear Face | 0 | 4132 | 2 | 4Cell | w/ | 19.00 | 18.76 | 1.06 | 0.03 | 0.592 | 0.63 |
| | WCDMA V | RMC12.2K | Rear Face | 0 | 4132 | 3 | 4Cell | w/ | 19.00 | 18.76 | 1.06 | 0.06 | 0.688 | 0.73 |
| | WCDMA V | RMC12.2K | Rear Face | 0 | 4132 | 4 | 4Cell | w/ | 19.00 | 18.76 | 1.06 | 0.15 | 0.585 | 0.62 |
| | WCDMA V | RMC12.2K | Rear Face | 0 | 4132 | 1 | 6Cell | w/ | 19.00 | 18.76 | 1.06 | 0.04 | 0.681 | 0.72 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured.



SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|-------|---------|---------------|--------------------------|---------|----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| 04 | LTE 5 | QPSK10M | Rear Face | 0 | 20450 | 1 | 0 | 1 | 4Cell | w/ | 20.00 | 19.81 | 1.04 | -0.02 | 0.989 | 1.03 |
| | LTE 5 | QPSK10M | Bottom Side | 0 | 20450 | 1 | 0 | 1 | 4Cell | w/ | 20.00 | 19.81 | 1.04 | -0.06 | 0.527 | 0.55 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20450 | 25 | 0 | 1 | 4Cell | w/ | 20.00 | 19.65 | 1.08 | -0.02 | 0.951 | 1.03 |
| | LTE 5 | QPSK10M | Bottom Side | 0 | 20450 | 25 | 0 | 1 | 4Cell | w/ | 20.00 | 19.65 | 1.08 | 0.12 | 0.513 | 0.55 |
| | LTE 5 | QPSK10M | Rear Face | 10 | 20525 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.62 | 1.22 | 0.03 | 0.441 | 0.54 |
| | LTE 5 | QPSK10M | Left Side | 0 | 20525 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.62 | 1.22 | 0.06 | 0.291 | 0.36 |
| | LTE 5 | QPSK10M | Right Side | 0 | 20525 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.62 | 1.22 | 0 | <0.001 | 0.00 |
| | LTE 5 | QPSK10M | Top Side | 0 | 20525 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.62 | 1.22 | 0 | <0.001 | 0.00 |
| | LTE 5 | QPSK10M | Bottom Side | 10 | 20525 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.62 | 1.22 | -0.11 | 0.216 | 0.26 |
| | LTE 5 | QPSK10M | Rear Face | 10 | 20525 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.69 | 1.21 | 0.02 | 0.361 | 0.44 |
| | LTE 5 | QPSK10M | Left Side | 0 | 20525 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.69 | 1.21 | 0.07 | 0.249 | 0.30 |
| | LTE 5 | QPSK10M | Right Side | 0 | 20525 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.69 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 5 | QPSK10M | Top Side | 0 | 20525 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.69 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 5 | QPSK10M | Bottom Side | 10 | 20525 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.69 | 1.21 | 0.07 | 0.188 | 0.23 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20525 | 1 | 0 | 1 | 4Cell | w/ | 20.00 | 19.79 | 1.05 | -0.03 | 0.978 | 1.03 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20600 | 1 | 0 | 1 | 4Cell | w/ | 20.00 | 19.70 | 1.07 | 0.04 | 0.953 | 1.02 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20525 | 25 | 0 | 1 | 4Cell | w/ | 20.00 | 19.64 | 1.09 | 0.18 | 0.934 | 1.02 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20600 | 25 | 0 | 1 | 4Cell | w/ | 20.00 | 19.55 | 1.11 | 0.12 | 0.922 | 1.02 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20450 | 50 | 0 | 1 | 4Cell | w/ | 20.00 | 19.75 | 1.06 | 0.06 | 0.958 | 1.02 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20450 | 1 | 0 | 2 | 4Cell | w/ | 20.00 | 19.81 | 1.04 | -0.12 | 0.779 | 0.81 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20525 | 1 | 0 | 2 | 4Cell | w/ | 20.00 | 19.79 | 1.05 | 0.19 | 0.689 | 0.72 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20600 | 1 | 0 | 2 | 4Cell | w/ | 20.00 | 19.70 | 1.07 | 0.05 | 0.671 | 0.72 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20450 | 1 | 0 | 3 | 4Cell | w/ | 20.00 | 19.81 | 1.04 | 0.16 | 0.901 | 0.94 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20525 | 1 | 0 | 3 | 4Cell | w/ | 20.00 | 19.79 | 1.05 | 0.02 | 0.703 | 0.74 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20600 | 1 | 0 | 3 | 4Cell | w/ | 20.00 | 19.70 | 1.07 | -0.16 | 0.691 | 0.74 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20450 | 1 | 0 | 4 | 4Cell | w/ | 20.00 | 19.81 | 1.04 | 0.08 | 0.698 | 0.73 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20450 | 1 | 0 | 1 | 6Cell | w/ | 20.00 | 19.81 | 1.04 | -0.03 | 0.979 | 1.02 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20525 | 1 | 0 | 1 | 6Cell | w/ | 20.00 | 19.79 | 1.05 | -0.17 | 0.954 | 1.00 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20600 | 1 | 0 | 1 | 6Cell | w/ | 20.00 | 19.70 | 1.07 | -0.05 | 0.936 | 1.00 |
| | LTE 5 | QPSK10M | Rear Face | 0 | 20450 | 1 | 0 | 1 | 4Cell | w/ | 20.00 | 19.81 | 1.04 | -0.02 | 0.961 | 1.00 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured.



SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|-------|---------|---------------|--------------------------|---------|-----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 7 | QPSK20M | Rear Face | 0 | 21100 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 15.00 | 1.00 | 0.07 | 0.786 | 0.79 |
| | LTE 7 | QPSK20M | Bottom Side | 0 | 21100 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 15.00 | 1.00 | -0.03 | 0.328 | 0.33 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21100 | 50 | 0 | 1 | 4Cell | w/ | 15.00 | 14.93 | 1.02 | 0.04 | 0.744 | 0.76 |
| | LTE 7 | QPSK20M | Bottom Side | 0 | 21100 | 50 | 0 | 1 | 4Cell | w/ | 15.00 | 14.93 | 1.02 | 0.18 | 0.299 | 0.30 |
| | LTE 7 | QPSK20M | Rear Face | 10 | 20850 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.14 | 1.09 | 0.12 | 0.659 | 0.72 |
| | LTE 7 | QPSK20M | Left Side | 0 | 20850 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.14 | 1.09 | 0.06 | 0.193 | 0.21 |
| | LTE 7 | QPSK20M | Right Side | 0 | 20850 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.14 | 1.09 | -0.12 | 0.345 | 0.38 |
| | LTE 7 | QPSK20M | Top Side | 0 | 20850 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.14 | 1.09 | 0 | <0.001 | 0.00 |
| | LTE 7 | QPSK20M | Bottom Side | 10 | 20850 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.14 | 1.09 | 0.05 | 0.321 | 0.35 |
| | LTE 7 | QPSK20M | Rear Face | 10 | 20850 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.93 | 1.14 | 0.16 | 0.507 | 0.58 |
| | LTE 7 | QPSK20M | Left Side | 0 | 20850 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.93 | 1.14 | 0.08 | 0.151 | 0.17 |
| | LTE 7 | QPSK20M | Right Side | 0 | 20850 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.93 | 1.14 | -0.03 | 0.285 | 0.33 |
| | LTE 7 | QPSK20M | Top Side | 0 | 20850 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.93 | 1.14 | 0 | <0.001 | 0.00 |
| | LTE 7 | QPSK20M | Bottom Side | 10 | 20850 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.93 | 1.14 | -0.05 | 0.239 | 0.27 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 20850 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | -0.08 | 0.845 | 0.85 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21350 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.99 | 1.00 | 0.06 | 0.734 | 0.73 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21100 | 100 | 0 | 1 | 4Cell | w/ | 15.00 | 14.91 | 1.02 | 0.17 | 0.764 | 0.78 |
| 05 | LTE 7 | QPSK20M | Rear Face | 0 | 20850 | 1 | 0 | 2 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.15 | 0.922 | 0.93 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21100 | 1 | 0 | 2 | 4Cell | w/ | 15.00 | 15.00 | 1.00 | 0.18 | 0.886 | 0.89 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21350 | 1 | 0 | 2 | 4Cell | w/ | 15.00 | 14.99 | 1.00 | -0.01 | 0.857 | 0.86 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 20850 | 1 | 0 | 3 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.07 | 0.833 | 0.84 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21100 | 1 | 0 | 3 | 4Cell | w/ | 15.00 | 15.00 | 1.00 | -0.05 | 0.819 | 0.82 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21350 | 1 | 0 | 3 | 4Cell | w/ | 15.00 | 14.99 | 1.00 | -0.02 | 0.746 | 0.75 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 20850 | 1 | 0 | 4 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.07 | 0.894 | 0.90 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21100 | 1 | 0 | 4 | 4Cell | w/ | 15.00 | 15.00 | 1.00 | -0.04 | 0.873 | 0.87 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21350 | 1 | 0 | 4 | 4Cell | w/ | 15.00 | 14.99 | 1.00 | 0.17 | 0.803 | 0.80 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 20850 | 1 | 0 | 2 | 6Cell | w/ | 15.00 | 14.96 | 1.01 | 0.11 | 0.828 | 0.84 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21100 | 1 | 0 | 2 | 6Cell | w/ | 15.00 | 15.00 | 1.00 | 0.06 | 0.764 | 0.76 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 21350 | 1 | 0 | 2 | 6Cell | w/ | 15.00 | 14.99 | 1.00 | 0.08 | 0.722 | 0.72 |
| | LTE 7 | QPSK20M | Rear Face | 0 | 20850 | 1 | 0 | 2 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.15 | 0.901 | 0.91 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured.

SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 12 | QPSK10M | Rear Face | 0 | 23060 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.32 | 1.04 | -0.15 | 0.547 | 0.57 |
| | LTE 12 | QPSK10M | Bottom Side | 0 | 23060 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.32 | 1.04 | 0.03 | 0.371 | 0.39 |
| | LTE 12 | QPSK10M | Rear Face | 0 | 23060 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.30 | 1.05 | 0.19 | 0.533 | 0.56 |
| | LTE 12 | QPSK10M | Bottom Side | 0 | 23060 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.30 | 1.05 | 0.09 | 0.365 | 0.38 |
| | LTE 12 | QPSK10M | Rear Face | 10 | 23130 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | -0.09 | 0.411 | 0.46 |
| | LTE 12 | QPSK10M | Left Side | 0 | 23130 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | 0 | <0.001 | 0.00 |
| | LTE 12 | QPSK10M | Right Side | 0 | 23130 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | 0 | <0.001 | 0.00 |
| | LTE 12 | QPSK10M | Top Side | 0 | 23130 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | 0 | <0.001 | 0.00 |
| | LTE 12 | QPSK10M | Bottom Side | 10 | 23130 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.01 | 1.12 | -0.02 | 0.242 | 0.27 |
| | LTE 12 | QPSK10M | Rear Face | 10 | 23130 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.14 | 1.09 | 0.19 | 0.326 | 0.36 |
| | LTE 12 | QPSK10M | Left Side | 0 | 23130 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.14 | 1.09 | 0 | <0.001 | 0.00 |
| | LTE 12 | QPSK10M | Right Side | 0 | 23130 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.14 | 1.09 | 0 | <0.001 | 0.00 |
| | LTE 12 | QPSK10M | Top Side | 0 | 23130 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.14 | 1.09 | 0 | <0.001 | 0.00 |
| | LTE 12 | QPSK10M | Bottom Side | 10 | 23130 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.14 | 1.09 | -0.14 | 0.183 | 0.20 |
| | LTE 12 | QPSK10M | Rear Face | 0 | 23095 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.25 | 1.06 | 0.17 | 0.568 | 0.60 |
| | LTE 12 | QPSK10M | Rear Face | 0 | 23130 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.27 | 1.05 | -0.04 | 0.588 | 0.62 |
| 06 | LTE 12 | QPSK10M | Rear Face | 0 | 23130 | 1 | 0 | 2 | 4Cell | w/ | 18.50 | 18.27 | 1.05 | 0.05 | 0.613 | 0.64 |
| | LTE 12 | QPSK10M | Rear Face | 0 | 23130 | 1 | 0 | 3 | 4Cell | w/ | 18.50 | 18.27 | 1.05 | 0.17 | 0.573 | 0.60 |
| | LTE 12 | QPSK10M | Rear Face | 0 | 23130 | 1 | 0 | 4 | 4Cell | w/ | 18.50 | 18.27 | 1.05 | -0.13 | 0.564 | 0.59 |
| | LTE 12 | QPSK10M | Rear Face | 0 | 23130 | 1 | 0 | 2 | 6Cell | w/ | 18.50 | 18.27 | 1.05 | -0.15 | 0.563 | 0.59 |
| | LTE 13 | QPSK10M | Rear Face | 0 | 23230 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | 0.13 | 0.589 | 0.61 |
| | LTE 13 | QPSK10M | Bottom Side | 0 | 23230 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | -0.09 | 0.279 | 0.29 |
| | LTE 13 | QPSK10M | Rear Face | 0 | 23230 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.25 | 1.06 | 0.11 | 0.553 | 0.59 |
| | LTE 13 | QPSK10M | Bottom Side | 0 | 23230 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.25 | 1.06 | 0.12 | 0.271 | 0.29 |
| | LTE 13 | QPSK10M | Rear Face | 10 | 23230 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.03 | 1.11 | 0.16 | 0.484 | 0.54 |
| | LTE 13 | QPSK10M | Left Side | 0 | 23230 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.03 | 1.11 | -0.02 | 0.038 | 0.04 |
| | LTE 13 | QPSK10M | Right Side | 0 | 23230 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.03 | 1.11 | 0 | <0.001 | 0.00 |
| | LTE 13 | QPSK10M | Top Side | 0 | 23230 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.03 | 1.11 | 0 | <0.001 | 0.00 |
| | LTE 13 | QPSK10M | Bottom Side | 10 | 23230 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.03 | 1.11 | 0.13 | 0.291 | 0.32 |
| | LTE 13 | QPSK10M | Rear Face | 10 | 23230 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.03 | 1.11 | 0.09 | 0.363 | 0.40 |
| | LTE 13 | QPSK10M | Left Side | 0 | 23230 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.03 | 1.11 | -0.14 | 0.034 | 0.04 |
| | LTE 13 | QPSK10M | Right Side | 0 | 23230 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.03 | 1.11 | 0 | <0.001 | 0.00 |
| | LTE 13 | QPSK10M | Top Side | 0 | 23230 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.03 | 1.11 | 0 | <0.001 | 0.00 |
| | LTE 13 | QPSK10M | Bottom Side | 10 | 23230 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.03 | 1.11 | 0.05 | 0.232 | 0.26 |
| 07 | LTE 13 | QPSK10M | Rear Face | 0 | 23230 | 1 | 0 | 2 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | 0.17 | 0.634 | 0.66 |
| | LTE 13 | QPSK10M | Rear Face | 0 | 23230 | 1 | 0 | 3 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | 0.12 | 0.549 | 0.57 |
| | LTE 13 | QPSK10M | Rear Face | 0 | 23230 | 1 | 0 | 4 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | 0.16 | 0.616 | 0.64 |
| | LTE 13 | QPSK10M | Rear Face | 0 | 23230 | 1 | 0 | 2 | 6Cell | w/ | 18.50 | 18.34 | 1.04 | 0.09 | 0.571 | 0.59 |
| | LTE 14 | QPSK10M | Rear Face | 0 | 23330 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | -0.03 | 0.583 | 0.59 |
| | LTE 14 | QPSK10M | Bottom Side | 0 | 23330 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | 0.06 | 0.241 | 0.25 |
| | LTE 14 | QPSK10M | Rear Face | 0 | 23330 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.36 | 1.03 | 0.17 | 0.543 | 0.56 |
| | LTE 14 | QPSK10M | Bottom Side | 0 | 23330 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.36 | 1.03 | 0.15 | 0.229 | 0.24 |
| | LTE 14 | QPSK10M | Rear Face | 10 | 23330 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0.18 | 0.217 | 0.26 |
| | LTE 14 | QPSK10M | Left Side | 0 | 23330 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 14 | QPSK10M | Right Side | 0 | 23330 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 14 | QPSK10M | Top Side | 0 | 23330 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 14 | QPSK10M | Bottom Side | 10 | 23330 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | -0.02 | 0.087 | 0.11 |
| | LTE 14 | QPSK10M | Rear Face | 10 | 23330 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.70 | 1.20 | 0.07 | 0.182 | 0.22 |
| | LTE 14 | QPSK10M | Left Side | 0 | 23330 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.70 | 1.20 | 0 | <0.001 | 0.00 |
| | LTE 14 | QPSK10M | Right Side | 0 | 23330 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.70 | 1.20 | 0 | <0.001 | 0.00 |
| | LTE 14 | QPSK10M | Top Side | 0 | 23330 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.70 | 1.20 | 0 | <0.001 | 0.00 |
| | LTE 14 | QPSK10M | Bottom Side | 10 | 23330 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 22.70 | 1.20 | 0.06 | 0.077 | 0.09 |
| | LTE 14 | QPSK10M | Rear Face | 0 | 23330 | 1 | 0 | 2 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | 0.15 | 0.537 | 0.55 |
| | LTE 14 | QPSK10M | Rear Face | 0 | 23330 | 1 | 0 | 3 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | 0.16 | 0.526 | 0.54 |
| 08 | LTE 14 | QPSK10M | Rear Face | 0 | 23330 | 1 | 0 | 4 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | -0.04 | 0.791 | 0.81 |
| | LTE 14 | QPSK10M | Rear Face | 0 | 23330 | 1 | 0 | 4 | 6Cell | w/ | 18.50 | 18.41 | 1.02 | 0.09 | 0.559 | 0.57 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured.



SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 17 | QPSK10M | Rear Face | 0 | 23780 | 1 | 0 | 1 | 4Cell | w/ | 19.50 | 19.43 | 1.02 | 0.12 | 0.701 | 0.72 |
| | LTE 17 | QPSK10M | Bottom Side | 0 | 23780 | 1 | 0 | 1 | 4Cell | w/ | 19.50 | 19.43 | 1.02 | 0.16 | 0.349 | 0.36 |
| | LTE 17 | QPSK10M | Rear Face | 0 | 23780 | 25 | 0 | 1 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | 0.05 | 0.687 | 0.70 |
| | LTE 17 | QPSK10M | Bottom Side | 0 | 23780 | 25 | 0 | 1 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | 0.19 | 0.336 | 0.34 |
| | LTE 17 | QPSK10M | Rear Face | 10 | 23790 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.97 | 1.13 | 0.15 | 0.368 | 0.42 |
| | LTE 17 | QPSK10M | Left Side | 0 | 23790 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.97 | 1.13 | 0 | <0.001 | 0.00 |
| | LTE 17 | QPSK10M | Right Side | 0 | 23790 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.97 | 1.13 | 0 | <0.001 | 0.00 |
| | LTE 17 | QPSK10M | Top Side | 0 | 23790 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.97 | 1.13 | 0 | <0.001 | 0.00 |
| | LTE 17 | QPSK10M | Bottom Side | 10 | 23790 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.97 | 1.13 | 0.15 | 0.186 | 0.21 |
| | LTE 17 | QPSK10M | Rear Face | 10 | 23790 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.08 | 1.10 | 0.03 | 0.302 | 0.33 |
| | LTE 17 | QPSK10M | Left Side | 0 | 23790 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.08 | 1.10 | 0 | <0.001 | 0.00 |
| | LTE 17 | QPSK10M | Right Side | 0 | 23790 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.08 | 1.10 | 0 | <0.001 | 0.00 |
| | LTE 17 | QPSK10M | Top Side | 0 | 23790 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.08 | 1.10 | 0 | <0.001 | 0.00 |
| | LTE 17 | QPSK10M | Bottom Side | 10 | 23790 | 25 | 0 | 1 | 4Cell | w/o | 23.50 | 23.08 | 1.10 | 0.05 | 0.158 | 0.17 |
| 09 | LTE 17 | QPSK10M | Rear Face | 0 | 23790 | 1 | 0 | 1 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | -0.09 | 0.708 | 0.72 |
| | LTE 17 | QPSK10M | Rear Face | 0 | 23800 | 1 | 0 | 1 | 4Cell | w/ | 19.50 | 19.36 | 1.03 | 0.06 | 0.698 | 0.72 |
| | LTE 17 | QPSK10M | Rear Face | 0 | 23790 | 1 | 0 | 2 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | 0.11 | 0.698 | 0.71 |
| | LTE 17 | QPSK10M | Rear Face | 0 | 23790 | 1 | 0 | 3 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | 0.15 | 0.563 | 0.57 |
| | LTE 17 | QPSK10M | Rear Face | 0 | 23790 | 1 | 0 | 4 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | 0.16 | 0.675 | 0.69 |
| | LTE 17 | QPSK10M | Rear Face | 0 | 23790 | 1 | 0 | 1 | 6Cell | w/ | 19.50 | 19.40 | 1.02 | 0.08 | 0.699 | 0.71 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured.



SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|-----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 25 | QPSK20M | Rear Face | 0 | 26590 | 1 | 0 | 1 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | -0.1 | 0.912 | 0.91 |
| | LTE 25 | QPSK20M | Bottom Side | 0 | 26590 | 1 | 0 | 1 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | 0.05 | 0.298 | 0.30 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26590 | 50 | 0 | 1 | 4Cell | w/ | 15.50 | 15.45 | 1.01 | -0.09 | 0.887 | 0.90 |
| | LTE 25 | QPSK20M | Bottom Side | 0 | 26590 | 50 | 0 | 1 | 4Cell | w/ | 15.50 | 15.45 | 1.01 | 0.06 | 0.268 | 0.27 |
| | LTE 25 | QPSK20M | Rear Face | 10 | 26590 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0.08 | 0.491 | 0.59 |
| | LTE 25 | QPSK20M | Left Side | 0 | 26590 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 25 | QPSK20M | Right Side | 0 | 26590 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 25 | QPSK20M | Top Side | 0 | 26590 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 25 | QPSK20M | Bottom Side | 10 | 26590 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.68 | 1.21 | 0.17 | 0.188 | 0.23 |
| | LTE 25 | QPSK20M | Rear Face | 10 | 26590 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0.12 | 0.384 | 0.46 |
| | LTE 25 | QPSK20M | Left Side | 0 | 26590 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0.15 | 0.256 | 0.31 |
| | LTE 25 | QPSK20M | Right Side | 0 | 26590 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0.16 | 0.188 | 0.23 |
| | LTE 25 | QPSK20M | Top Side | 0 | 26590 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0.08 | 0.051 | 0.06 |
| | LTE 25 | QPSK20M | Bottom Side | 10 | 26590 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0.02 | 0.138 | 0.17 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26140 | 1 | 0 | 1 | 4Cell | w/ | 15.50 | 15.38 | 1.03 | 0.01 | 0.815 | 0.84 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26365 | 1 | 0 | 1 | 4Cell | w/ | 15.50 | 15.46 | 1.01 | 0.13 | 0.872 | 0.88 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26140 | 50 | 0 | 1 | 4Cell | w/ | 15.50 | 15.30 | 1.05 | -0.09 | 0.787 | 0.83 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26365 | 50 | 0 | 1 | 4Cell | w/ | 15.50 | 15.40 | 1.02 | 0.11 | 0.851 | 0.87 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26590 | 100 | 0 | 1 | 4Cell | w/ | 15.50 | 15.45 | 1.01 | 0.12 | 0.875 | 0.88 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26590 | 1 | 0 | 2 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | 0.16 | 1.03 | 1.03 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26140 | 1 | 0 | 2 | 4Cell | w/ | 15.50 | 15.38 | 1.03 | -0.02 | 0.979 | 1.01 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26365 | 1 | 0 | 2 | 4Cell | w/ | 15.50 | 15.46 | 1.01 | 0.15 | 0.987 | 1.00 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26590 | 1 | 0 | 3 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | 0.06 | 0.883 | 0.88 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26140 | 1 | 0 | 3 | 4Cell | w/ | 15.50 | 15.38 | 1.03 | 0.01 | 0.782 | 0.81 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26365 | 1 | 0 | 3 | 4Cell | w/ | 15.50 | 15.46 | 1.01 | 0.01 | 0.806 | 0.81 |
| 10 | LTE 25 | QPSK20M | Rear Face | 0 | 26590 | 1 | 0 | 4 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | -0.15 | 1.05 | 1.05 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26140 | 1 | 0 | 4 | 4Cell | w/ | 15.50 | 15.38 | 1.03 | 0.12 | 0.935 | 0.96 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26365 | 1 | 0 | 4 | 4Cell | w/ | 15.50 | 15.46 | 1.01 | 0.15 | 0.997 | 1.01 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26590 | 1 | 0 | 4 | 6Cell | w/ | 15.50 | 15.50 | 1.00 | 0.19 | 0.894 | 0.89 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26140 | 1 | 0 | 4 | 6Cell | w/ | 15.50 | 15.38 | 1.03 | 0.15 | 0.787 | 0.81 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26365 | 1 | 0 | 4 | 6Cell | w/ | 15.50 | 15.46 | 1.01 | 0.04 | 0.844 | 0.85 |
| | LTE 25 | QPSK20M | Rear Face | 0 | 26590 | 1 | 0 | 4 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | -0.15 | 1.02 | 1.02 |
| | LTE 26 | QPSK15M | Rear Face | 0 | 26765 | 1 | 0 | 1 | 4Cell | w/ | 19.00 | 18.89 | 1.03 | -0.15 | 0.691 | 0.71 |
| | LTE 26 | QPSK15M | Bottom Side | 0 | 26765 | 1 | 0 | 1 | 4Cell | w/ | 19.00 | 18.89 | 1.03 | 0.12 | 0.362 | 0.37 |
| | LTE 26 | QPSK15M | Rear Face | 0 | 26765 | 36 | 0 | 1 | 4Cell | w/ | 19.00 | 18.74 | 1.06 | 0.15 | 0.671 | 0.71 |
| | LTE 26 | QPSK15M | Bottom Side | 0 | 26765 | 36 | 0 | 1 | 4Cell | w/ | 19.00 | 18.74 | 1.06 | 0.19 | 0.322 | 0.34 |
| | LTE 26 | QPSK15M | Rear Face | 10 | 26965 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.57 | 1.24 | 0.15 | 0.391 | 0.48 |
| | LTE 26 | QPSK15M | Left Side | 0 | 26965 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.57 | 1.24 | 0.04 | 0.224 | 0.28 |
| | LTE 26 | QPSK15M | Right Side | 0 | 26965 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.57 | 1.24 | -0.15 | <0.001 | 0.00 |
| | LTE 26 | QPSK15M | Top Side | 0 | 26965 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.57 | 1.24 | 0 | <0.001 | 0.00 |
| | LTE 26 | QPSK15M | Bottom Side | 10 | 26965 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 23.57 | 1.24 | 0.11 | 0.199 | 0.25 |
| | LTE 26 | QPSK15M | Rear Face | 10 | 26965 | 36 | 0 | 1 | 4Cell | w/o | 23.50 | 22.48 | 1.26 | 0.15 | 0.298 | 0.38 |
| | LTE 26 | QPSK15M | Left Side | 0 | 26965 | 36 | 0 | 1 | 4Cell | w/o | 23.50 | 22.48 | 1.26 | 0.16 | 0.163 | 0.21 |
| | LTE 26 | QPSK15M | Right Side | 0 | 26965 | 36 | 0 | 1 | 4Cell | w/o | 23.50 | 22.48 | 1.26 | 0 | <0.001 | 0.00 |
| | LTE 26 | QPSK15M | Top Side | 0 | 26965 | 36 | 0 | 1 | 4Cell | w/o | 23.50 | 22.48 | 1.26 | 0 | <0.001 | 0.00 |
| | LTE 26 | QPSK15M | Bottom Side | 10 | 26965 | 36 | 0 | 1 | 4Cell | w/o | 23.50 | 22.48 | 1.26 | 0.16 | 0.152 | 0.19 |
| | LTE 26 | QPSK15M | Rear Face | 0 | 26865 | 1 | 0 | 1 | 4Cell | w/ | 19.00 | 18.82 | 1.04 | -0.18 | 0.692 | 0.72 |
| | LTE 26 | QPSK15M | Rear Face | 0 | 26965 | 1 | 0 | 1 | 4Cell | w/ | 19.00 | 18.76 | 1.06 | 0.17 | 0.677 | 0.72 |
| | LTE 26 | QPSK15M | Rear Face | 0 | 26865 | 1 | 0 | 2 | 4Cell | w/ | 19.00 | 18.82 | 1.04 | 0.18 | 0.701 | 0.73 |
| | LTE 26 | QPSK15M | Rear Face | 0 | 26865 | 1 | 0 | 3 | 4Cell | w/ | 19.00 | 18.82 | 1.04 | 0.16 | 0.615 | 0.64 |
| 11 | LTE 26 | QPSK15M | Rear Face | 0 | 26865 | 1 | 0 | 4 | 4Cell | w/ | 19.00 | 18.82 | 1.04 | 0.12 | 0.764 | 0.79 |
| | LTE 26 | QPSK15M | Rear Face | 0 | 26865 | 1 | 0 | 4 | 6Cell | w/ | 19.00 | 18.82 | 1.04 | 0.08 | 0.677 | 0.70 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured.

SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 30 | QPSK10M | Rear Face | 0 | 27710 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | -0.07 | 0.949 | 0.96 |
| | LTE 30 | QPSK10M | Bottom Side | 0 | 27710 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.02 | 0.511 | 0.52 |
| | LTE 30 | QPSK10M | Rear Face | 0 | 27710 | 25 | 0 | 1 | 4Cell | w/ | 15.00 | 14.88 | 1.03 | 0.13 | 0.91 | 0.94 |
| | LTE 30 | QPSK10M | Bottom Side | 0 | 27710 | 25 | 0 | 1 | 4Cell | w/ | 15.00 | 14.88 | 1.03 | 0.05 | 0.488 | 0.50 |
| | LTE 30 | QPSK10M | Rear Face | 10 | 27710 | 1 | 0 | 1 | 4Cell | w/o | 23.00 | 22.42 | 1.14 | 0.06 | 0.607 | 0.69 |
| | LTE 30 | QPSK10M | Left Side | 0 | 27710 | 1 | 0 | 1 | 4Cell | w/o | 23.00 | 22.42 | 1.14 | -0.16 | 0.256 | 0.29 |
| | LTE 30 | QPSK10M | Right Side | 0 | 27710 | 1 | 0 | 1 | 4Cell | w/o | 23.00 | 22.42 | 1.14 | 0 | <0.001 | 0.00 |
| | LTE 30 | QPSK10M | Top Side | 0 | 27710 | 1 | 0 | 1 | 4Cell | w/o | 23.00 | 22.42 | 1.14 | 0 | <0.001 | 0.00 |
| | LTE 30 | QPSK10M | Bottom Side | 10 | 27710 | 1 | 0 | 1 | 4Cell | w/o | 23.00 | 22.42 | 1.14 | 0.02 | 0.369 | 0.42 |
| | LTE 30 | QPSK10M | Rear Face | 10 | 27710 | 25 | 0 | 1 | 4Cell | w/o | 22.00 | 21.42 | 1.14 | 0.09 | 0.478 | 0.54 |
| | LTE 30 | QPSK10M | Left Side | 0 | 27710 | 25 | 0 | 1 | 4Cell | w/o | 22.00 | 21.42 | 1.14 | -0.14 | 0.206 | 0.23 |
| | LTE 30 | QPSK10M | Right Side | 0 | 27710 | 25 | 0 | 1 | 4Cell | w/o | 22.00 | 21.42 | 1.14 | 0 | <0.001 | 0.00 |
| | LTE 30 | QPSK10M | Top Side | 0 | 27710 | 25 | 0 | 1 | 4Cell | w/o | 22.00 | 21.42 | 1.14 | 0 | <0.001 | 0.00 |
| | LTE 30 | QPSK10M | Bottom Side | 10 | 27710 | 25 | 0 | 1 | 4Cell | w/o | 22.00 | 21.42 | 1.14 | 0.02 | 0.298 | 0.34 |
| | LTE 30 | QPSK10M | Rear Face | 0 | 27710 | 50 | 0 | 1 | 4Cell | w/ | 15.00 | 14.83 | 1.04 | 0.01 | 0.91 | 0.95 |
| 12 | LTE 30 | QPSK10M | Rear Face | 0 | 27710 | 1 | 0 | 2 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.09 | 1.03 | 1.04 |
| | LTE 30 | QPSK10M | Rear Face | 0 | 27710 | 1 | 0 | 3 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.15 | 0.907 | 0.92 |
| | LTE 30 | QPSK10M | Rear Face | 0 | 27710 | 1 | 0 | 4 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.09 | 1.02 | 1.03 |
| | LTE 30 | QPSK10M | Rear Face | 0 | 27710 | 1 | 0 | 2 | 6Cell | w/ | 15.00 | 14.96 | 1.01 | -0.16 | 0.922 | 0.93 |
| | LTE 30 | QPSK10M | Rear Face | 0 | 27710 | 1 | 0 | 2 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.09 | 1.01 | 1.02 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured.

SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 41 | QPSK20M | Rear Face | 0 | 40620 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | 0.02 | 0.597 | 0.60 |
| | LTE 41 | QPSK20M | Bottom Side | 0 | 40620 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | 0.13 | 0.26 | 0.26 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 40620 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.96 | 1.01 | 0.06 | 0.59 | 0.60 |
| | LTE 41 | QPSK20M | Bottom Side | 0 | 40620 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.96 | 1.01 | -0.15 | 0.248 | 0.25 |
| | LTE 41 | QPSK20M | Rear Face | 10 | 40620 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.17 | 1.08 | 0.02 | 0.382 | 0.41 |
| | LTE 41 | QPSK20M | Left Side | 0 | 40620 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.17 | 1.08 | 0.01 | 0.119 | 0.13 |
| | LTE 41 | QPSK20M | Right Side | 0 | 40620 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.17 | 1.08 | 0.02 | 0.074 | 0.08 |
| | LTE 41 | QPSK20M | Top Side | 0 | 40620 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.17 | 1.08 | 0 | <0.001 | 0.00 |
| | LTE 41 | QPSK20M | Bottom Side | 10 | 40620 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.17 | 1.08 | 0.02 | 0.136 | 0.15 |
| | LTE 41 | QPSK20M | Rear Face | 10 | 40620 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 23.01 | 1.12 | 0.03 | 0.281 | 0.31 |
| | LTE 41 | QPSK20M | Left Side | 0 | 40620 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 23.01 | 1.12 | 0.02 | 0.097 | 0.11 |
| | LTE 41 | QPSK20M | Right Side | 0 | 40620 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 23.01 | 1.12 | 0.06 | 0.056 | 0.06 |
| | LTE 41 | QPSK20M | Top Side | 0 | 40620 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 23.01 | 1.12 | 0 | <0.001 | 0.00 |
| | LTE 41 | QPSK20M | Bottom Side | 10 | 40620 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 23.01 | 1.12 | 0.02 | 0.097 | 0.11 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 39750 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.93 | 1.02 | -0.15 | 0.725 | 0.74 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 40185 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.90 | 1.02 | -0.05 | 0.741 | 0.76 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 41055 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.95 | 1.01 | 0.02 | 0.578 | 0.58 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 41490 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.98 | 1.00 | 0.06 | 0.509 | 0.51 |
| 14 | LTE 41 | QPSK20M | Rear Face | 0 | 40185 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 16.90 | 1.02 | -0.19 | 0.807 | 0.82 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 39750 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 16.93 | 1.02 | 0.02 | 0.724 | 0.74 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 40620 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | 0.09 | 0.603 | 0.60 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 41055 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 16.95 | 1.01 | -0.14 | 0.577 | 0.58 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 41490 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 16.98 | 1.00 | 0.02 | 0.531 | 0.53 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 40185 | 1 | 0 | 3 | 4Cell | w/ | 17.00 | 16.90 | 1.02 | -0.16 | 0.732 | 0.75 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 40185 | 1 | 0 | 4 | 4Cell | w/ | 17.00 | 16.90 | 1.02 | 0.05 | 0.761 | 0.78 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 40185 | 1 | 0 | 2 | 6Cell | w/ | 17.00 | 16.90 | 1.02 | -0.16 | 0.722 | 0.74 |
| | LTE 41 | QPSK20M | Rear Face | 0 | 40185 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 16.90 | 1.02 | -0.19 | 0.797 | 0.81 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured

SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|-----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| 16 | LTE 66 | QPSK20M | Rear Face | 0 | 132572 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | -0.07 | 1.18 | 1.18 |
| | LTE 66 | QPSK20M | Bottom Side | 0 | 132572 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | 0.02 | 0.371 | 0.37 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132572 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.95 | 1.01 | -0.16 | 1.1 | 1.11 |
| | LTE 66 | QPSK20M | Bottom Side | 0 | 132572 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.95 | 1.01 | 0.02 | 0.354 | 0.36 |
| | LTE 66 | QPSK20M | Rear Face | 10 | 132322 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.02 | 1.12 | 0.06 | 0.605 | 0.68 |
| | LTE 66 | QPSK20M | Left Side | 0 | 132322 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.02 | 1.12 | 0.02 | 0.279 | 0.31 |
| | LTE 66 | QPSK20M | Right Side | 0 | 132322 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.02 | 1.12 | 0 | <0.001 | 0.00 |
| | LTE 66 | QPSK20M | Top Side | 0 | 132322 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.02 | 1.12 | 0 | <0.001 | 0.00 |
| | LTE 66 | QPSK20M | Bottom Side | 10 | 132322 | 1 | 0 | 1 | 4Cell | w/o | 24.50 | 24.02 | 1.12 | 0.02 | 0.279 | 0.31 |
| | LTE 66 | QPSK20M | Rear Face | 10 | 132322 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0.06 | 0.466 | 0.56 |
| | LTE 66 | QPSK20M | Left Side | 0 | 132322 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0.02 | 0.222 | 0.27 |
| | LTE 66 | QPSK20M | Right Side | 0 | 132322 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 66 | QPSK20M | Top Side | 0 | 132322 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0 | <0.001 | 0.00 |
| | LTE 66 | QPSK20M | Bottom Side | 10 | 132322 | 50 | 0 | 1 | 4Cell | w/o | 23.50 | 22.68 | 1.21 | 0.02 | 0.342 | 0.41 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132072 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.99 | 1.00 | -0.16 | 1.01 | 1.01 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132322 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.97 | 1.01 | 0.02 | 1.13 | 1.14 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132072 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.93 | 1.02 | 0.13 | 0.999 | 1.02 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132322 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.81 | 1.04 | 0.02 | 1.11 | 1.15 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132572 | 100 | 0 | 1 | 4Cell | w/ | 17.00 | 16.93 | 1.02 | -0.16 | 1.09 | 1.11 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132572 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | -0.16 | 1.07 | 1.07 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132072 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 16.99 | 1.00 | 0.02 | 0.822 | 0.82 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132322 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 16.97 | 1.01 | 0.05 | 0.972 | 0.98 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132572 | 1 | 0 | 3 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | -0.01 | 1.09 | 1.09 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132072 | 1 | 0 | 3 | 4Cell | w/ | 17.00 | 16.99 | 1.00 | -0.06 | 0.895 | 0.90 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132322 | 1 | 0 | 3 | 4Cell | w/ | 17.00 | 16.97 | 1.01 | -0.02 | 1.01 | 1.02 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132572 | 1 | 0 | 4 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | 0.01 | 1.05 | 1.05 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132072 | 1 | 0 | 4 | 4Cell | w/ | 17.00 | 16.99 | 1.00 | 0.02 | 1.02 | 1.02 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132322 | 1 | 0 | 4 | 4Cell | w/ | 17.00 | 16.97 | 1.01 | -0.16 | 1.02 | 1.03 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132572 | 1 | 0 | 1 | 6Cell | w/ | 17.00 | 17.00 | 1.00 | 0.02 | 1.12 | 1.12 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132072 | 1 | 0 | 1 | 6Cell | w/ | 17.00 | 16.99 | 1.00 | -0.16 | 0.99 | 0.99 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132322 | 1 | 0 | 1 | 6Cell | w/ | 17.00 | 16.97 | 1.01 | 0.02 | 1.09 | 1.10 |
| | LTE 66 | QPSK20M | Rear Face | 0 | 132572 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | -0.07 | 1.15 | 1.15 |

Note: The "< 0.001" means there is no SAR value or the SAR is too low to be measured



SAR Test Report

Laptop PC Mode

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|----------|---------|---------------|--------------------------|---------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | WCDMA II | RMC12.K | Bottom | 0 | 9262 | 1 | 4Cell | w/ | 15.50 | 15.32 | 1.04 | 0.12 | 0.515 | 0.54 |
| | WCDMA II | RMC12.K | Bottom | 0 | 9400 | 1 | 4Cell | w/ | 15.50 | 15.35 | 1.04 | 0.13 | 0.551 | 0.57 |
| | WCDMA II | RMC12.K | Bottom | 0 | 9538 | 1 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | 0.09 | 0.594 | 0.59 |
| | WCDMA II | RMC12.K | Bottom | 0 | 9538 | 2 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | 0.01 | 0.576 | 0.58 |
| | WCDMA II | RMC12.K | Bottom | 0 | 9538 | 3 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | 0.06 | 0.557 | 0.56 |
| 17 | WCDMA II | RMC12.K | Bottom | 0 | 9538 | 4 | 4Cell | w/ | 15.50 | 15.48 | 1.00 | -0.03 | 0.759 | 0.76 |
| | WCDMA II | RMC12.K | Bottom | 0 | 9538 | 4 | 6Cell | w/ | 15.50 | 15.48 | 1.00 | 0.09 | 0.745 | 0.75 |
| | WCDMA IV | RMC12.K | Bottom | 0 | 1312 | 1 | 4Cell | w/ | 16.50 | 16.47 | 1.01 | 0.11 | 0.361 | 0.36 |
| | WCDMA IV | RMC12.K | Bottom | 0 | 1413 | 1 | 4Cell | w/ | 16.50 | 16.27 | 1.05 | 0.16 | 0.364 | 0.38 |
| | WCDMA IV | RMC12.K | Bottom | 0 | 1513 | 1 | 4Cell | w/ | 16.50 | 16.15 | 1.08 | -0.16 | 0.365 | 0.39 |
| | WCDMA IV | RMC12.K | Bottom | 0 | 1513 | 2 | 4Cell | w/ | 16.50 | 16.15 | 1.08 | 0.02 | 0.461 | 0.50 |
| | WCDMA IV | RMC12.K | Bottom | 0 | 1513 | 3 | 4Cell | w/ | 16.50 | 16.15 | 1.08 | 0.08 | 0.344 | 0.37 |
| 18 | WCDMA IV | RMC12.K | Bottom | 0 | 1513 | 4 | 4Cell | w/ | 16.50 | 16.15 | 1.08 | -0.02 | 0.509 | 0.55 |
| | WCDMA IV | RMC12.K | Bottom | 0 | 1513 | 4 | 6Cell | w/ | 16.50 | 16.15 | 1.08 | 0.09 | 0.477 | 0.52 |
| | WCDMA V | RMC12.K | Bottom | 0 | 4132 | 1 | 4Cell | w/ | 19.00 | 18.76 | 1.06 | 0.05 | 0.472 | 0.50 |
| | WCDMA V | RMC12.K | Bottom | 0 | 4182 | 1 | 4Cell | w/ | 19.00 | 18.88 | 1.03 | -0.04 | 0.490 | 0.50 |
| | WCDMA V | RMC12.K | Bottom | 0 | 4233 | 1 | 4Cell | w/ | 19.00 | 18.70 | 1.07 | 0.06 | 0.452 | 0.48 |
| 19 | WCDMA V | RMC12.K | Bottom | 0 | 4182 | 2 | 4Cell | w/ | 19.00 | 18.88 | 1.03 | -0.01 | 0.572 | 0.59 |
| | WCDMA V | RMC12.K | Bottom | 0 | 4182 | 3 | 4Cell | w/ | 19.00 | 18.88 | 1.03 | 0.11 | 0.386 | 0.40 |
| | WCDMA V | RMC12.K | Bottom | 0 | 4182 | 4 | 4Cell | w/ | 19.00 | 18.88 | 1.03 | 0.03 | 0.419 | 0.43 |
| | WCDMA V | RMC12.K | Bottom | 0 | 4182 | 2 | 6Cell | w/ | 19.00 | 18.88 | 1.03 | 0.07 | 0.531 | 0.55 |



SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|-----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 5 | QPSK10M | Bottom | 0 | 20450 | 1 | 0 | 1 | 4Cell | w/ | 20.00 | 19.81 | 1.04 | 0.12 | 0.639 | 0.66 |
| | LTE 5 | QPSK10M | Bottom | 0 | 20450 | 25 | 0 | 1 | 4Cell | w/ | 20.00 | 19.65 | 1.08 | -0.09 | 0.614 | 0.66 |
| | LTE 5 | QPSK10M | Bottom | 0 | 20525 | 1 | 0 | 1 | 4Cell | w/ | 20.00 | 19.79 | 1.05 | -0.06 | 0.608 | 0.64 |
| | LTE 5 | QPSK10M | Bottom | 0 | 20600 | 1 | 0 | 1 | 4Cell | w/ | 20.00 | 19.70 | 1.07 | -0.11 | 0.641 | 0.69 |
| 20 | LTE 5 | QPSK10M | Bottom | 0 | 20600 | 1 | 0 | 2 | 4Cell | w/ | 20.00 | 19.70 | 1.07 | -0.01 | 0.658 | 0.70 |
| | LTE 5 | QPSK10M | Bottom | 0 | 20600 | 1 | 0 | 3 | 4Cell | w/ | 20.00 | 19.70 | 1.07 | 0.16 | 0.533 | 0.57 |
| | LTE 5 | QPSK10M | Bottom | 0 | 20600 | 1 | 0 | 4 | 4Cell | w/ | 20.00 | 19.70 | 1.07 | 0.17 | 0.469 | 0.50 |
| | LTE 5 | QPSK10M | Bottom | 0 | 20600 | 1 | 0 | 2 | 6Cell | w/ | 20.00 | 19.70 | 1.07 | 0.05 | 0.643 | 0.69 |
| | LTE 7 | QPSK20M | Bottom | 0 | 21100 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 15.00 | 1.00 | 0.01 | 0.941 | 0.94 |
| | LTE 7 | QPSK20M | Bottom | 0 | 21100 | 50 | 0 | 1 | 4Cell | w/ | 15.00 | 14.93 | 1.02 | 0.12 | 0.901 | 0.92 |
| 21 | LTE 7 | QPSK20M | Bottom | 0 | 20850 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | -0.04 | 0.950 | 0.96 |
| | LTE 7 | QPSK20M | Bottom | 0 | 21350 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.99 | 1.00 | 0.03 | 0.862 | 0.86 |
| | LTE 7 | QPSK20M | Bottom | 0 | 20850 | 50 | 0 | 1 | 4Cell | w/ | 15.00 | 14.89 | 1.03 | 0.15 | 0.931 | 0.96 |
| | LTE 7 | QPSK20M | Bottom | 0 | 21350 | 50 | 0 | 1 | 4Cell | w/ | 15.00 | 14.91 | 1.02 | 0.16 | 0.835 | 0.85 |
| | LTE 7 | QPSK20M | Bottom | 0 | 21100 | 100 | 0 | 1 | 4Cell | w/ | 15.00 | 14.91 | 1.02 | 0.19 | 0.903 | 0.92 |
| | LTE 7 | QPSK20M | Bottom | 0 | 20850 | 1 | 0 | 2 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | -0.07 | 0.772 | 0.78 |
| | LTE 7 | QPSK20M | Bottom | 0 | 20850 | 1 | 0 | 3 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.09 | 0.872 | 0.88 |
| | LTE 7 | QPSK20M | Bottom | 0 | 21100 | 1 | 0 | 3 | 4Cell | w/ | 15.00 | 15.00 | 1.00 | -0.05 | 0.808 | 0.81 |
| | LTE 7 | QPSK20M | Bottom | 0 | 21350 | 1 | 0 | 3 | 4Cell | w/ | 15.00 | 14.99 | 1.00 | 0.05 | 0.751 | 0.75 |
| | LTE 7 | QPSK20M | Bottom | 0 | 20850 | 1 | 0 | 4 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.16 | 0.609 | 0.62 |
| | LTE 7 | QPSK20M | Bottom | 0 | 20850 | 1 | 0 | 1 | 6Cell | w/ | 15.00 | 14.96 | 1.01 | 0.17 | 0.736 | 0.74 |
| | LTE 7 | QPSK20M | Bottom | 0 | 20850 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | -0.04 | 0.942 | 0.95 |
| | LTE 12 | QPSK10M | Bottom | 0 | 23060 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.32 | 1.04 | -0.01 | 0.537 | 0.56 |
| | LTE 12 | QPSK10M | Bottom | 0 | 23060 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.30 | 1.05 | 0.05 | 0.499 | 0.52 |
| | LTE 12 | QPSK10M | Bottom | 0 | 23095 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.25 | 1.06 | 0.09 | 0.502 | 0.53 |
| | LTE 12 | QPSK10M | Bottom | 0 | 23130 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.27 | 1.05 | 0.11 | 0.505 | 0.53 |
| | LTE 12 | QPSK10M | Bottom | 0 | 23060 | 1 | 0 | 2 | 4Cell | w/ | 18.50 | 18.32 | 1.04 | 0.02 | 0.484 | 0.50 |
| | LTE 12 | QPSK10M | Bottom | 0 | 23060 | 1 | 0 | 3 | 4Cell | w/ | 18.50 | 18.32 | 1.04 | 0.05 | 0.511 | 0.53 |
| 22 | LTE 12 | QPSK10M | Bottom | 0 | 23060 | 1 | 0 | 4 | 4Cell | w/ | 18.50 | 18.32 | 1.04 | -0.03 | 0.579 | 0.60 |
| | LTE 12 | QPSK10M | Bottom | 0 | 23060 | 1 | 0 | 4 | 6Cell | w/ | 18.50 | 18.32 | 1.04 | 0.15 | 0.528 | 0.55 |



SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 13 | QPSK10M | Bottom | 0 | 23230 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | -0.02 | 0.416 | 0.43 |
| | LTE 13 | QPSK10M | Bottom | 0 | 23230 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.25 | 1.06 | 0.16 | 0.372 | 0.39 |
| 23 | LTE 13 | QPSK10M | Bottom | 0 | 23230 | 1 | 0 | 2 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | 0.04 | 0.492 | 0.51 |
| | LTE 13 | QPSK10M | Bottom | 0 | 23230 | 1 | 0 | 3 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | 0.16 | 0.387 | 0.40 |
| | LTE 13 | QPSK10M | Bottom | 0 | 23230 | 1 | 0 | 4 | 4Cell | w/ | 18.50 | 18.34 | 1.04 | 0.13 | 0.472 | 0.49 |
| | LTE 13 | QPSK10M | Bottom | 0 | 23230 | 1 | 0 | 2 | 6Cell | w/ | 18.50 | 18.34 | 1.04 | 0.09 | 0.463 | 0.48 |
| 24 | LTE 14 | QPSK10M | Bottom | 0 | 23330 | 1 | 0 | 1 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | -0.13 | 0.503 | 0.51 |
| | LTE 14 | QPSK10M | Bottom | 0 | 23330 | 25 | 0 | 1 | 4Cell | w/ | 18.50 | 18.36 | 1.03 | 0.11 | 0.491 | 0.51 |
| | LTE 14 | QPSK10M | Bottom | 0 | 23330 | 1 | 0 | 2 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | 0.12 | 0.453 | 0.46 |
| | LTE 14 | QPSK10M | Bottom | 0 | 23330 | 1 | 0 | 3 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | 0.12 | 0.502 | 0.51 |
| | LTE 14 | QPSK10M | Bottom | 0 | 23330 | 1 | 0 | 4 | 4Cell | w/ | 18.50 | 18.41 | 1.02 | -0.01 | 0.454 | 0.46 |
| | LTE 14 | QPSK10M | Bottom | 0 | 23330 | 1 | 0 | 1 | 6Cell | w/ | 18.50 | 18.41 | 1.02 | 0.19 | 0.415 | 0.42 |
| | LTE 17 | QPSK10M | Bottom | 0 | 23780 | 1 | 0 | 1 | 4Cell | w/ | 19.50 | 19.43 | 1.02 | -0.01 | 0.699 | 0.71 |
| | LTE 17 | QPSK10M | Bottom | 0 | 23780 | 25 | 0 | 1 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | -0.02 | 0.641 | 0.65 |
| | LTE 17 | QPSK10M | Bottom | 0 | 23790 | 1 | 0 | 1 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | 0.16 | 0.711 | 0.73 |
| | LTE 17 | QPSK10M | Bottom | 0 | 23800 | 1 | 0 | 1 | 4Cell | w/ | 19.50 | 19.36 | 1.03 | 0.04 | 0.637 | 0.66 |
| | LTE 17 | QPSK10M | Bottom | 0 | 23790 | 1 | 0 | 2 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | -0.01 | 0.634 | 0.65 |
| | LTE 17 | QPSK10M | Bottom | 0 | 23790 | 1 | 0 | 3 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | 0.09 | 0.696 | 0.71 |
| 25 | LTE 17 | QPSK10M | Bottom | 0 | 23790 | 1 | 0 | 4 | 4Cell | w/ | 19.50 | 19.40 | 1.02 | -0.01 | 0.774 | 0.79 |
| | LTE 17 | QPSK10M | Bottom | 0 | 23790 | 1 | 0 | 4 | 6Cell | w/ | 19.50 | 19.40 | 1.02 | 0.06 | 0.686 | 0.70 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26590 | 1 | 0 | 1 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | -0.04 | 0.640 | 0.64 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26590 | 50 | 0 | 1 | 4Cell | w/ | 15.50 | 15.45 | 1.01 | 0.13 | 0.635 | 0.64 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26140 | 1 | 0 | 1 | 4Cell | w/ | 15.50 | 15.38 | 1.03 | 0.09 | 0.535 | 0.55 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26365 | 1 | 0 | 1 | 4Cell | w/ | 15.50 | 15.46 | 1.01 | -0.01 | 0.571 | 0.58 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26590 | 1 | 0 | 2 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | 0.05 | 0.633 | 0.63 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26590 | 1 | 0 | 3 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | 0.09 | 0.621 | 0.62 |
| 26 | LTE 25 | QPSK20M | Bottom | 0 | 26590 | 1 | 0 | 4 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | -0.03 | 0.824 | 0.82 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26140 | 1 | 0 | 4 | 4Cell | w/ | 15.50 | 15.38 | 1.03 | 0.16 | 0.67 | 0.69 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26365 | 1 | 0 | 4 | 4Cell | w/ | 15.50 | 15.46 | 1.01 | 0.04 | 0.736 | 0.74 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26590 | 1 | 0 | 4 | 6Cell | w/ | 15.50 | 15.50 | 1.00 | 0.03 | 0.777 | 0.78 |
| | LTE 25 | QPSK20M | Bottom | 0 | 26590 | 1 | 0 | 4 | 4Cell | w/ | 15.50 | 15.50 | 1.00 | 0.01 | 0.813 | 0.81 |
| 27 | LTE 26 | QPSK15M | Bottom | 0 | 26765 | 1 | 0 | 1 | 4Cell | w/ | 19.00 | 18.89 | 1.03 | -0.05 | 0.565 | 0.58 |
| | LTE 26 | QPSK15M | Bottom | 0 | 26765 | 36 | 0 | 1 | 4Cell | w/ | 19.00 | 18.74 | 1.06 | 0.06 | 0.546 | 0.58 |
| | LTE 26 | QPSK15M | Bottom | 0 | 26865 | 1 | 0 | 1 | 4Cell | w/ | 19.00 | 18.82 | 1.04 | 0.07 | 0.549 | 0.57 |
| | LTE 26 | QPSK15M | Bottom | 0 | 26965 | 1 | 0 | 1 | 4Cell | w/ | 19.00 | 18.76 | 1.06 | -0.11 | 0.538 | 0.57 |
| | LTE 26 | QPSK15M | Bottom | 0 | 26765 | 1 | 0 | 2 | 4Cell | w/ | 19.00 | 18.89 | 1.03 | -0.06 | 0.476 | 0.49 |
| | LTE 26 | QPSK15M | Bottom | 0 | 26765 | 1 | 0 | 3 | 4Cell | w/ | 19.00 | 18.89 | 1.03 | 0.12 | 0.478 | 0.49 |
| | LTE 26 | QPSK15M | Bottom | 0 | 26765 | 1 | 0 | 4 | 4Cell | w/ | 19.00 | 18.89 | 1.03 | 0.16 | 0.401 | 0.41 |
| | LTE 26 | QPSK15M | Bottom | 0 | 26765 | 1 | 0 | 1 | 6Cell | w/ | 19.00 | 18.89 | 1.03 | 0.15 | 0.464 | 0.48 |
| 28 | LTE 30 | QPSK10M | Bottom | 0 | 27710 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | -0.03 | 0.878 | 0.89 |
| | LTE 30 | QPSK10M | Bottom | 0 | 27710 | 25 | 0 | 1 | 4Cell | w/ | 15.00 | 14.88 | 1.03 | 0.02 | 0.845 | 0.87 |
| | LTE 30 | QPSK10M | Bottom | 0 | 27710 | 50 | 0 | 1 | 4Cell | w/ | 15.00 | 14.83 | 1.04 | -0.15 | 0.846 | 0.88 |
| | LTE 30 | QPSK10M | Bottom | 0 | 27710 | 1 | 0 | 2 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.02 | 0.713 | 0.72 |
| | LTE 30 | QPSK10M | Bottom | 0 | 27710 | 1 | 0 | 3 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.01 | 0.875 | 0.88 |
| | LTE 30 | QPSK10M | Bottom | 0 | 27710 | 1 | 0 | 4 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | -0.1 | 0.721 | 0.73 |
| | LTE 30 | QPSK10M | Bottom | 0 | 27710 | 1 | 0 | 1 | 6Cell | w/ | 15.00 | 14.96 | 1.01 | 0.13 | 0.86 | 0.87 |
| | LTE 30 | QPSK10M | Bottom | 0 | 27710 | 1 | 0 | 1 | 4Cell | w/ | 15.00 | 14.96 | 1.01 | 0.02 | 0.843 | 0.85 |

SAR Test Report

| Plot No. | Band | Mode | Test Position | Separation Distance (mm) | Channel | RB | offset | Sample | Battery | Reduction Power | Maximum Tune-up (dBm) | Conducted Power (dBm) | Scaling Factor | Power Drift | SAR 1g | Scaled 1g SAR |
|----------|--------|---------|---------------|--------------------------|---------|-----|--------|--------|---------|-----------------|-----------------------|-----------------------|----------------|-------------|--------|---------------|
| | LTE 41 | QPSK20M | Bottom | 0 | 40620 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | 0.01 | 0.675 | 0.68 |
| | LTE 41 | QPSK20M | Bottom | 0 | 40620 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.96 | 1.01 | 0.06 | 0.635 | 0.64 |
| | LTE 41 | QPSK20M | Bottom | 0 | 39750 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.93 | 1.02 | 0.09 | 0.666 | 0.68 |
| | LTE 41 | QPSK20M | Bottom | 0 | 40185 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.90 | 1.02 | -0.03 | 0.661 | 0.67 |
| | LTE 41 | QPSK20M | Bottom | 0 | 41055 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.95 | 1.01 | -0.12 | 0.537 | 0.54 |
| | LTE 41 | QPSK20M | Bottom | 0 | 41490 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.98 | 1.00 | 0.04 | 0.685 | 0.69 |
| 30 | LTE 41 | QPSK20M | Bottom | 0 | 41490 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 16.98 | 1.00 | -0.1 | 0.764 | 0.76 |
| | LTE 41 | QPSK20M | Bottom | 0 | 41490 | 1 | 0 | 3 | 4Cell | w/ | 17.00 | 16.98 | 1.00 | 0.11 | 0.654 | 0.65 |
| | LTE 41 | QPSK20M | Bottom | 0 | 41490 | 1 | 0 | 4 | 4Cell | w/ | 17.00 | 16.98 | 1.00 | 0.15 | 0.616 | 0.62 |
| | LTE 41 | QPSK20M | Bottom | 0 | 41490 | 1 | 0 | 2 | 6Cell | w/ | 17.00 | 16.98 | 1.00 | 0.18 | 0.735 | 0.74 |
| 32 | LTE 66 | QPSK20M | Bottom | 0 | 132572 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | -0.03 | 0.878 | 0.88 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132572 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.95 | 1.01 | 0.12 | 0.862 | 0.87 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132072 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.99 | 1.00 | 0.11 | 0.788 | 0.79 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132322 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 16.97 | 1.01 | 0.16 | 0.836 | 0.84 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132072 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.93 | 1.02 | 0.06 | 0.822 | 0.84 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132322 | 50 | 0 | 1 | 4Cell | w/ | 17.00 | 16.81 | 1.04 | 0.07 | 0.843 | 0.88 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132572 | 100 | 0 | 1 | 4Cell | w/ | 17.00 | 16.93 | 1.02 | 0.06 | 0.859 | 0.88 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132572 | 1 | 0 | 2 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | -0.15 | 0.763 | 0.76 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132572 | 1 | 0 | 3 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | 0.13 | 0.861 | 0.86 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132072 | 1 | 0 | 3 | 4Cell | w/ | 17.00 | 16.99 | 1.00 | 0.19 | 0.769 | 0.77 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132322 | 1 | 0 | 3 | 4Cell | w/ | 17.00 | 16.97 | 1.01 | -0.16 | 0.839 | 0.85 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132572 | 1 | 0 | 4 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | -0.03 | 0.803 | 0.80 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132072 | 1 | 0 | 4 | 4Cell | w/ | 17.00 | 16.99 | 1.00 | -0.12 | 0.741 | 0.74 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132322 | 1 | 0 | 4 | 4Cell | w/ | 17.00 | 16.97 | 1.01 | -0.02 | 0.813 | 0.82 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132572 | 1 | 0 | 1 | 6Cell | w/ | 17.00 | 17.00 | 1.00 | 0.11 | 0.746 | 0.75 |
| | LTE 66 | QPSK20M | Bottom | 0 | 132572 | 1 | 0 | 1 | 4Cell | w/ | 17.00 | 17.00 | 1.00 | 0.01 | 0.832 | 0.83 |

4.7.3 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 ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium maybe 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 ≥ 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 ≥ 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 ≥ 1.5 W/kg, perform a third repeated measurement.

| Band | Mode | Test Position | Ch. | Original Measured SAR-1g (W/kg) | 1st Repeated SAR-1g (W/kg) | L/S Ratio | 2nd Repeated SAR-1g (W/kg) | L/S Ratio | 3rd Repeated SAR-1g (W/kg) | L/S Ratio |
|----------|----------|---------------|--------|---------------------------------|----------------------------|-----------|----------------------------|-----------|----------------------------|-----------|
| WCDMA II | RMC12.2K | Rear Face | 9538 | 0.991 | 0.959 | 1.03 | N/A | N/A | N/A | N/A |
| LTE 5 | QPSK10M | Rear Face | 20450 | 0.989 | 0.961 | 1.03 | N/A | N/A | N/A | N/A |
| LTE 7 | QPSK20M | Rear Face | 20850 | 0.922 | 0.901 | 1.02 | N/A | N/A | N/A | N/A |
| LTE 25 | QPSK20M | Rear Face | 26590 | 1.05 | 1.02 | 1.03 | N/A | N/A | N/A | N/A |
| LTE 30 | QPSK10M | Rear Face | 27710 | 1.03 | 1.01 | 1.02 | N/A | N/A | N/A | N/A |
| LTE 41 | QPSK20M | Rear Face | 40185 | 0.807 | 0.797 | 1.01 | N/A | N/A | N/A | N/A |
| LTE 66 | QPSK20M | Rear Face | 132572 | 1.18 | 1.15 | 1.03 | N/A | N/A | N/A | N/A |
| LTE 7 | QPSK20M | Bottom | 20850 | 0.950 | 0.942 | 1.01 | N/A | N/A | N/A | N/A |
| LTE 25 | QPSK20M | Bottom | 26590 | 0.824 | 0.813 | 1.01 | N/A | N/A | N/A | N/A |
| LTE 30 | QPSK10M | Bottom | 27710 | 0.878 | 0.843 | 1.04 | N/A | N/A | N/A | N/A |
| LTE 66 | QPSK20M | Bottom | 132572 | 0.878 | 0.832 | 1.06 | N/A | N/A | N/A | N/A |

4.7.4 Simultaneous Multi-band Transmission Evaluation

<Possibilities of Simultaneous Transmission>

The simultaneous transmission possibilities for this device are listed as below.

| Simultaneous TX Combination | Capable Transmit Configurations | Body Exposure Condition |
|-----------------------------|---------------------------------|-------------------------|
| 1 | WWAN + WLAN2.4G_Ant0 | Yes |
| 2 | WWAN + WLAN2.4G_Ant1 | Yes |
| 3 | WWAN + WLAN5G_Ant0 | Yes |
| 4 | WWAN + WLAN5G_Ant1 | Yes |
| 5 | WWAN + BT_Ant1 | Yes |
| 6 | WWAN + WLAN2.4G MIMO | Yes |
| 7 | WWAN + WLAN5G MIMO | Yes |
| 8 | WWAN + WLAN2.4G_Ant0 + BT_Ant1 | Yes |
| 9 | WWAN + WLAN5G_Ant0 + BT_Ant1 | Yes |
| 10 | WWAN + WLAN5G MIMO + BT_Ant1 | Yes |

Note :

1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.
2. Plot1 is covered by plot8
3. Plot2 is covered by plot6
4. Plot3 is covered by plot9
5. Plot5 is covered by plot10
6. Plot7 is covered by plot10

SAR Test Report

<SAR Summation Analysis>

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 SPLSR.

| Band | Position | 1g SAR W/kg | | | | | | | | Summing result 1g SAR W/kg | | | | |
|----------|-------------|-------------|-------------------|-------------------|---------------------|------------------|-----------------|--------------------|----------|----------------------------|-------------|-------------|-------------|-------------|
| | | 1 | 2 | 3 | 2+3 | 5 | 6 | 7 | 8 | 1+6 | 1+2+3 | 1+2+8 | 1+5+8 | 1+7+8 |
| | | Max WWAN | WLAN 2.4GHz Ant 0 | WLAN 2.4GHz Ant 1 | WLAN 2.4GHz Ant 0+1 | MAX WLAN5G Ant 0 | WLAN 5GHz Ant 1 | MAX WLAN5G Ant 0+1 | BT Ant 1 | | | | | |
| WCDMA II | Rear Face | 0.99 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.49 | 2.99 | 2.22 | 1.80 | 2.19 |
| | Left Side | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| | Right Side | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| WCDMA IV | Rear Face | 0.80 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.30 | 2.80 | 2.03 | 1.61 | 2.00 |
| | Left Side | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| WCDMA V | Rear Face | 0.74 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.24 | 2.74 | 1.97 | 1.55 | 1.94 |
| | Left Side | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| LTE 5 | Rear Face | 1.03 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.53 | 3.03 | 2.26 | 1.84 | 2.23 |
| | Left Side | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |



SAR Test Report

| Band | Position | 1g SAR W/kg | | | | | | | | Summing result 1g SAR W/kg | | | | |
|--------|-------------|-------------|-------------------|-------------------|---------------------|------------------|-----------------|--------------------|----------|----------------------------|-------------|-------------|-------------|-------------|
| | | 1 | 2 | 3 | 2+3 | 5 | 6 | 7 | 8 | 1+6 | 1+2+3 | 1+2+8 | 1+5+8 | 1+7+8 |
| | | Max WWAN | WLAN 2.4GHz Ant 0 | WLAN 2.4GHz Ant 1 | WLAN 2.4GHz Ant 0+1 | MAX WLAN5G Ant 0 | WLAN 5GHz Ant 1 | MAX WLAN5G Ant 0+1 | BT Ant 1 | | | | | |
| LTE 7 | Rear Face | 0.93 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.43 | 2.93 | 2.16 | 1.74 | 2.13 |
| | Left Side | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| | Right Side | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| LTE 12 | Rear Face | 0.64 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.14 | 2.64 | 1.87 | 1.45 | 1.84 |
| | Left Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 |
| LTE 13 | Rear Face | 0.66 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.16 | 2.66 | 1.89 | 1.47 | 1.86 |
| | Left Side | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| LTE 14 | Rear Face | 0.81 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.31 | 2.81 | 2.04 | 1.62 | 2.01 |
| | Left Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| LTE 17 | Rear Face | 0.72 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.22 | 2.72 | 1.95 | 1.53 | 1.92 |
| | Left Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| LTE 25 | Rear Face | 1.05 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.55 | 3.05 | 2.28 | 1.86 | 2.25 |
| | Left Side | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| | Right Side | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| | Top Side | 0.06 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.12 | 1.30 | 0.77 | 1.29 | 1.57 |
| | Bottom Side | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |



SAR Test Report

| Band | Position | 1g SAR W/kg | | | | | | | | Summing result 1g SAR W/kg | | | | |
|--------|-------------|-------------|-------------------|-------------------|---------------------|------------------|-----------------|--------------------|----------|----------------------------|-------------|-------------|-------------|-------------|
| | | 1 | 2 | 3 | 2+3 | 5 | 6 | 7 | 8 | 1+6 | 1+2+3 | 1+2+8 | 1+5+8 | 1+7+8 |
| | | Max WWAN | WLAN 2.4GHz Ant 0 | WLAN 2.4GHz Ant 1 | WLAN 2.4GHz Ant 0+1 | MAX WLAN5G Ant 0 | WLAN 5GHz Ant 1 | MAX WLAN5G Ant 0+1 | BT Ant 1 | | | | | |
| LTE 26 | Rear Face | 0.79 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.29 | 2.79 | 2.02 | 1.60 | 1.99 |
| | Left Side | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| LTE 30 | Rear Face | 1.04 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.54 | 3.04 | 2.27 | 1.85 | 2.24 |
| | Left Side | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 |
| LTE 41 | Rear Face | 0.82 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.32 | 2.82 | 2.05 | 1.63 | 2.02 |
| | Left Side | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| | Right Side | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| LTE 66 | Rear Face | 1.18 | 1.16 | 0.84 | 2.00 | 0.74 | 0.50 | 1.13 | 0.07 | 1.68 | 3.18 | 2.41 | 1.99 | 2.38 |
| | Left Side | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| | Right Side | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Top Side | 0.00 | 0.64 | 0.60 | 1.24 | 1.16 | 1.06 | 1.44 | 0.07 | 1.06 | 1.24 | 0.71 | 1.23 | 1.51 |
| | Bottom Side | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |

SAR Test Report

| Band | Position | 1g SAR W/kg | | | | | | | | Summing result 1g SAR W/kg | | | | |
|----------|----------|-------------|-------------------|-------------------|---------------------|-----------------|-----------------|-------------------|----------|----------------------------|-------------|-------|-------------|-------------|
| | | 1 | 2 | 3 | 2+3 | 5 | 6 | 7 | 8 | 1+6 | 1+2+3 | 1+2+8 | 1+5+8 | 1+7+8 |
| | | Max WWAN | WLAN 2.4GHz Ant 0 | WLAN 2.4GHz Ant 1 | WLAN 2.4GHz Ant 0+1 | WLAN 5GHz Ant 0 | WLAN 5GHz Ant 1 | WLAN 5GHz Ant 0+1 | BT Ant 1 | | | | | |
| WCDMA II | Bottom | 0.76 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.52 | 1.77 | 1.36 | 1.67 | 2.43 |
| WCDMA IV | Bottom | 0.55 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.31 | 1.56 | 1.15 | 1.46 | 2.22 |
| WCDMA V | Bottom | 0.59 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.35 | 1.60 | 1.19 | 1.50 | 2.26 |
| LTE 5 | Bottom | 0.70 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.46 | 1.71 | 1.30 | 1.61 | 2.37 |
| LTE 7 | Bottom | 0.96 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.72 | 1.97 | 1.56 | 1.87 | 2.63 |
| LTE 12 | Bottom | 0.60 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.36 | 1.61 | 1.20 | 1.51 | 2.27 |
| LTE 13 | Bottom | 0.51 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.27 | 1.52 | 1.11 | 1.42 | 2.18 |
| LTE 14 | Bottom | 0.51 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.27 | 1.52 | 1.11 | 1.42 | 2.18 |
| LTE 17 | Bottom | 0.79 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.55 | 1.80 | 1.39 | 1.70 | 2.46 |
| LTE 25 | Bottom | 0.82 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.58 | 1.83 | 1.42 | 1.73 | 2.49 |
| LTE 26 | Bottom | 0.58 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.34 | 1.59 | 1.18 | 1.49 | 2.25 |
| LTE 30 | Bottom | 0.89 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.65 | 1.90 | 1.49 | 1.80 | 2.56 |
| LTE 41 | Bottom | 0.76 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.52 | 1.77 | 1.36 | 1.67 | 2.43 |
| LTE 66 | Bottom | 0.88 | 0.48 | 0.54 | 1.01 | 0.79 | 0.76 | 1.55 | 0.12 | 1.64 | 1.89 | 1.48 | 1.79 | 2.55 |

<SAR to Peak Location Separation Ratio Analysis>

The simultaneous transmitting antennas in each operating mode and exposure condition combination are considered one pair at a time to determine the SPLSR. When SAR is measured for both antennas in the pair, the peak location separation distance is computed by the following formula.

$$\text{Peak Location Separation Distance} = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2}$$

Where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the area or zoom scans.

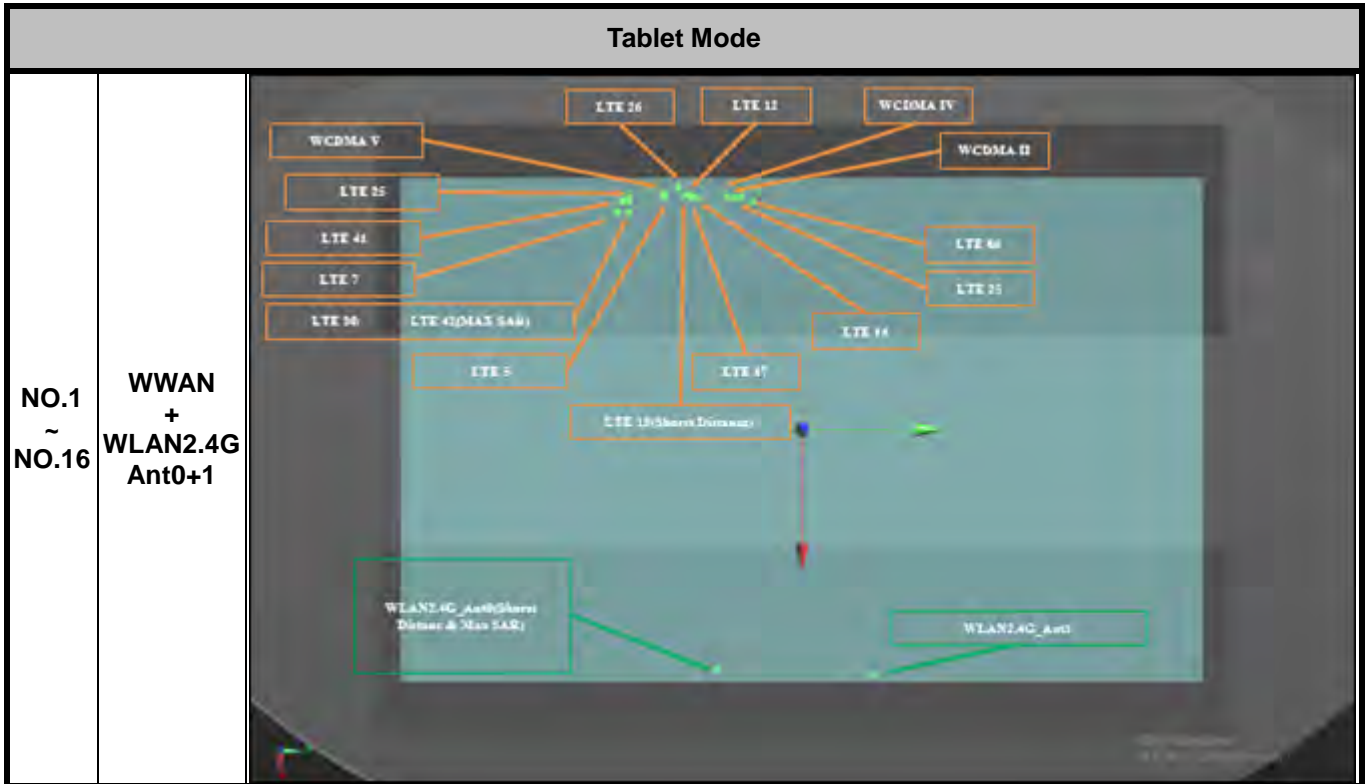
When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna. Due to curvatures on the SAM phantom, when SAR is estimated for one of the antennas in an antenna pair, the measured peak SAR location will be translated onto the test device to determine the peak location separation for the antenna pair.

The SPLSR is determined by the following formula.

$$\text{SPLSR} = \frac{(\text{SAR}_1 + \text{SAR}_2)^{1.5}}{R_i}$$

Where SAR_1 and SAR_2 are the highest reported or estimated SAR for each antenna in the pair, and R_i is the separation distance between the peak SAR locations for the antenna pair in mm.

When the SPLSR is ≤ 0.04 , the simultaneous transmission SAR is not required. Otherwise, the enlarged zoom scan and volume scan post-processing procedures will be performed.



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|--------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.1 | WCDMA II_RMC12.2K_Ch9538 | Body | Rear Face | 0.99 | -97 | -79.9 | 0.14 | 207.1 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | WCDMA II_RMC12.2K_Ch9538 | Body | Rear Face | 0.99 | -97 | -79.9 | 0.14 | 229.6 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.2 | WCDMA IV_RMC12.2K_Ch1513 | Body | Rear Face | 0.8 | -102 | -29 | -0.1 | 206.0 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | WCDMA IV_RMC12.2K_Ch1513 | Body | Rear Face | 0.8 | -102 | -29 | -0.1 | 212.8 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.3 | WCDMA V_RMC12.2K_Ch4132 | Body | Rear Face | 0.74 | -100.4 | -58.9 | -0.01 | 206.4 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | WCDMA V_RMC12.2K_Ch4132 | Body | Rear Face | 0.74 | -100.4 | -58.9 | -0.01 | 222.6 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.4 | LTE 5_QPSK10M_Ch20450 | Body | Rear Face | 1.03 | -98 | -57 | 0.37 | 203.8 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 5_QPSK10M_Ch20450 | Body | Rear Face | 1.03 | -98 | -57 | 0.37 | 219.6 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.5 | LTE 7_QPSK20M_Ch20850 | Body | Rear Face | 0.93 | -91.5 | -74 | -1.07 | 200.4 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 7_QPSK20M_Ch20850 | Body | Rear Face | 0.93 | -91.5 | -74 | -1.07 | 221.8 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.6 | LTE 12_QPSK10M_Ch23130 | Body | Rear Face | 0.64 | -101.6 | -41.6 | -0.62 | 205.9 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 12_QPSK10M_Ch23130 | Body | Rear Face | 0.64 | -101.6 | -41.6 | -0.62 | 216.7 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |



SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.7 | LTE 13_QPSK10M_Ch23230 | Body | Rear Face | 0.66 | -101.6 | -49.5 | -0.6 | 206.5 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 13_QPSK10M_Ch23230 | Body | Rear Face | 0.66 | -101.6 | -49.5 | -0.6 | 219.8 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.8 | LTE 14_QPSK10M_Ch23330 | Body | Rear Face | 0.81 | -96 | -40.2 | 0.17 | 200.3 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 14_QPSK10M_Ch23330 | Body | Rear Face | 0.81 | -96 | -40.2 | 0.17 | 211.0 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.9 | LTE 17_QPSK10M_Ch23790 | Body | Rear Face | 0.72 | -98.5 | -38.5 | 0.24 | 202.7 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 17_QPSK10M_Ch23790 | Body | Rear Face | 0.72 | -98.5 | -38.5 | 0.24 | 212.7 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.10 | LTE 25_QPSK20M_Ch26590 | Body | Rear Face | 1.05 | -103.3 | -25.5 | -1.16 | 207.4 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 25_QPSK20M_Ch26590 | Body | Rear Face | 1.05 | -103.3 | -25.5 | -1.16 | 213.0 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |

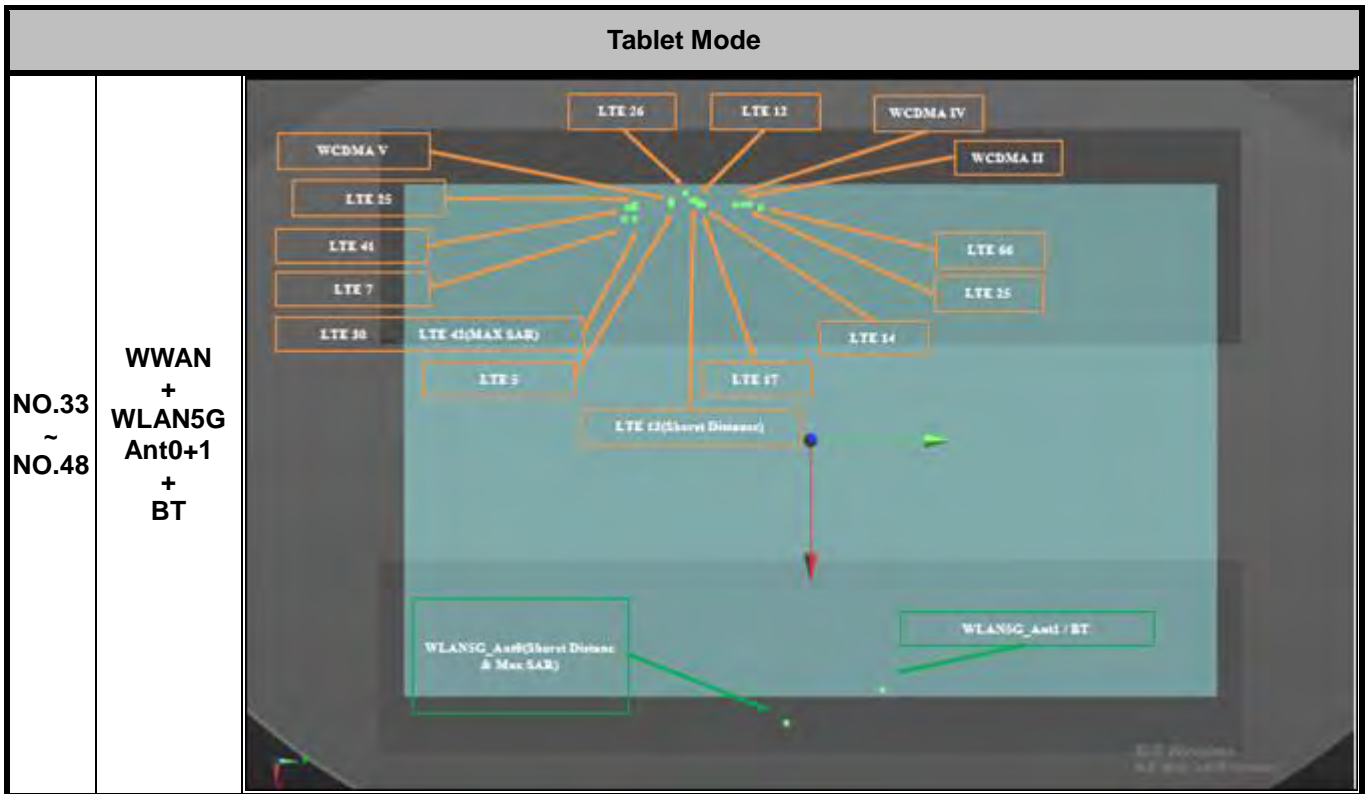
SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.11 | LTE 26_QPSK15M_Ch26865 | Body | Rear Face | 0.79 | -104.6 | -52.5 | -1.17 | 209.8 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 26_QPSK15M_Ch26865 | Body | Rear Face | 0.79 | -104.6 | -52.5 | -1.17 | 223.7 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.12 | LTE 30_QPSK10M_Ch27710 | Body | Rear Face | 1.04 | -92.5 | -73.5 | -0.34 | 201.3 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 30_QPSK10M_Ch27710 | Body | Rear Face | 1.04 | -92.5 | -73.5 | -0.34 | 222.5 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| No.13 | LTE 41_QPSK20M_Ch40185 | Body | Rear Face | 0.82 | -95 | -74.5 | -1.03 | 203.9 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 41_QPSK20M_Ch40185 | Body | Rear Face | 0.82 | -95 | -74.5 | -1.03 | 225.1 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------|--------------------|---------------|------------------|-------------|-----|-------|--|-------|
| | | | | | x | y | z | | |
| No.14 | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 201.2 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 205.6 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 68.1 | 0.04 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.84 | 100 | 38 | -0.63 | | |

SAR Test Report



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|----------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.33 | WCDMA II_RMC12.2K_Ch9538 | Body | Rear Face | 0.99 | -97 | -79.9 | 0.14 | 219.9 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | WCDMA II_RMC12.2K_Ch9538 | Body | Rear Face | 0.99 | -97 | -79.9 | 0.14 | 224.7 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.34 | WCDMA IV_RMC12.2K_Ch1513 | Body | Rear Face | 0.8 | -102 | -29 | -0.1 | 215.5 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | WCDMA IV_RMC12.2K_Ch1513 | Body | Rear Face | 0.8 | -102 | -29 | -0.1 | 211.1 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.35 | WCDMA V_RMC12.2K_Ch4132 | Body | Rear Face | 0.74 | -100.4 | -58.9 | -0.01 | 217.9 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | WCDMA V_RMC12.2K_Ch4132 | Body | Rear Face | 0.74 | -100.4 | -58.9 | -0.01 | 218.9 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.36 | LTE 5_QPSK10M_Ch20450 | Body | Rear Face | 1.03 | -98 | -57 | 0.37 | 215.2 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 5_QPSK10M_Ch20450 | Body | Rear Face | 1.03 | -98 | -57 | 0.37 | 216.0 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.37 | LTE 7_QPSK20M_Ch20850 | Body | Rear Face | 0.93 | -91.5 | -74 | -1.07 | 212.9 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 7_QPSK20M_Ch20850 | Body | Rear Face | 0.93 | -91.5 | -74 | -1.07 | 217.1 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.38 | LTE 12_QPSK10M_Ch23130 | Body | Rear Face | 0.64 | -101.6 | -41.6 | -0.62 | 216.3 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 12_QPSK10M_Ch23130 | Body | Rear Face | 0.64 | -101.6 | -41.6 | -0.62 | 214.2 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |



SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|----------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.39 | LTE 13_QPSK10M_Ch23230 | Body | Rear Face | 0.66 | -101.6 | -49.5 | -0.6 | 217.4 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 13_QPSK10M_Ch23230 | Body | Rear Face | 0.66 | -101.6 | -49.5 | -0.6 | 216.7 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.40 | LTE 14_QPSK10M_Ch23330 | Body | Rear Face | 0.81 | -96 | -40.2 | 0.17 | 210.5 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 14_QPSK10M_Ch23330 | Body | Rear Face | 0.81 | -96 | -40.2 | 0.17 | 208.4 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.41 | LTE 17_QPSK10M_Ch23790 | Body | Rear Face | 0.72 | -98.5 | -38.5 | 0.24 | 212.8 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 17_QPSK10M_Ch23790 | Body | Rear Face | 0.72 | -98.5 | -38.5 | 0.24 | 210.3 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.42 | LTE 25_QPSK20M_Ch26590 | Body | Rear Face | 1.05 | -103.3 | -25.5 | -1.16 | 216.6 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 25_QPSK20M_Ch26590 | Body | Rear Face | 1.05 | -103.3 | -25.5 | -1.16 | 211.5 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |



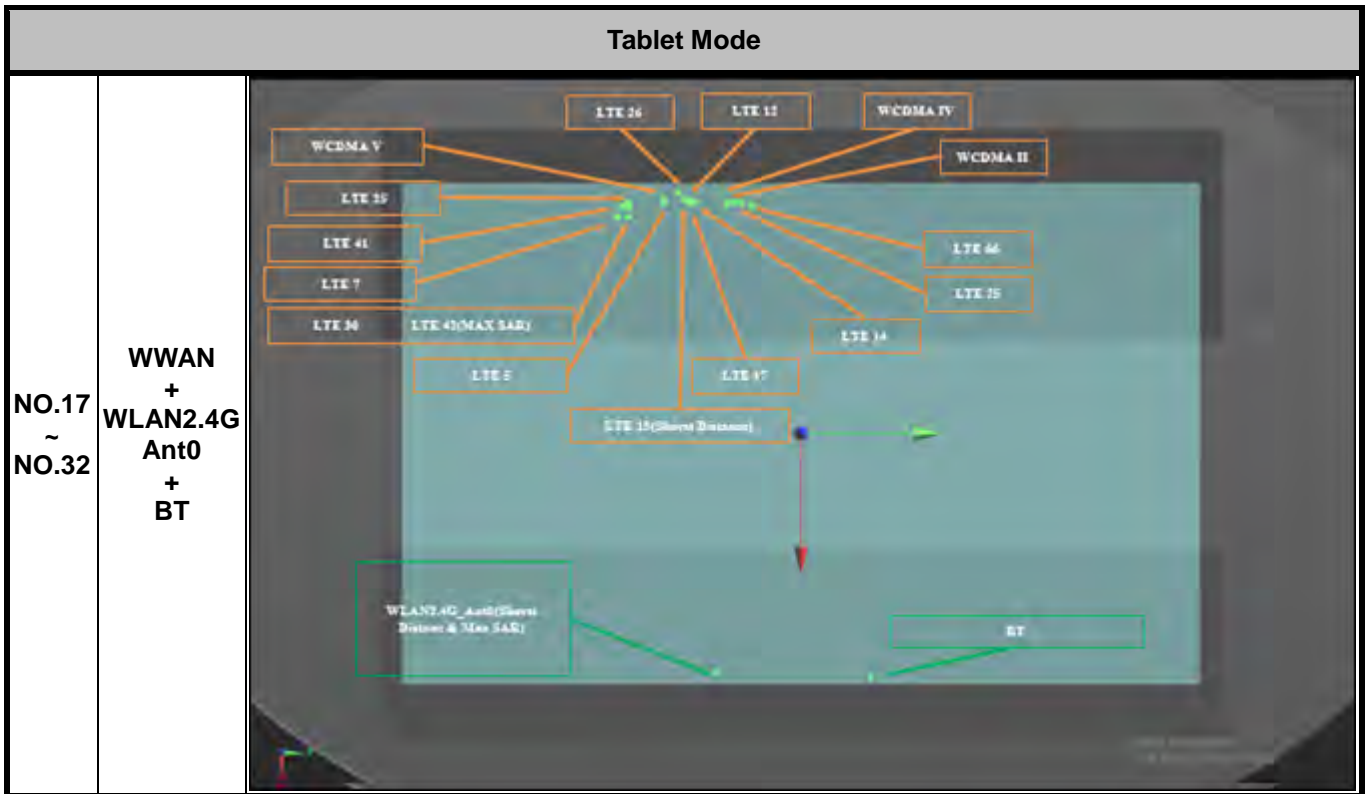
SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|----------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.43 | LTE 26_QPSK15M_Ch26865 | Body | Rear Face | 0.79 | -104.6 | -52.5 | -1.17 | 220.8 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 26_QPSK15M_Ch26865 | Body | Rear Face | 0.79 | -104.6 | -52.5 | -1.17 | 220.5 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.44 | LTE 30_QPSK10M_Ch27710 | Body | Rear Face | 1.04 | -92.5 | -73.5 | -0.34 | 213.7 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 30_QPSK10M_Ch27710 | Body | Rear Face | 1.04 | -92.5 | -73.5 | -0.34 | 217.7 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| No.46 | LTE 41_QPSK20M_Ch40185 | Body | Rear Face | 0.82 | -95 | -74.5 | -1.03 | 216.4 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 41_QPSK20M_Ch40185 | Body | Rear Face | 0.82 | -95 | -74.5 | -1.03 | 220.4 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |



SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.48 | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 210.1 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 204.3 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.04 |
| | WLA5.3G_802.11ac VHT160_Ant1(BT) | | | 0.57 | 102.4 | 23.6 | -0.13 | | |



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|--------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.17 | WCDMA II_RMC12.2K_Ch9538 | Body | Rear Face | 0.99 | -97 | -79.9 | 0.14 | 207.1 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | WCDMA II_RMC12.2K_Ch9538 | Body | Rear Face | 0.99 | -97 | -79.9 | 0.14 | 224.7 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.18 | WCDMA IV_RMC12.2K_Ch1513 | Body | Rear Face | 0.8 | -102 | -29 | -0.1 | 206.0 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | WCDMA IV_RMC12.2K_Ch1513 | Body | Rear Face | 0.8 | -102 | -29 | -0.1 | 211.1 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |

SAR Test Report

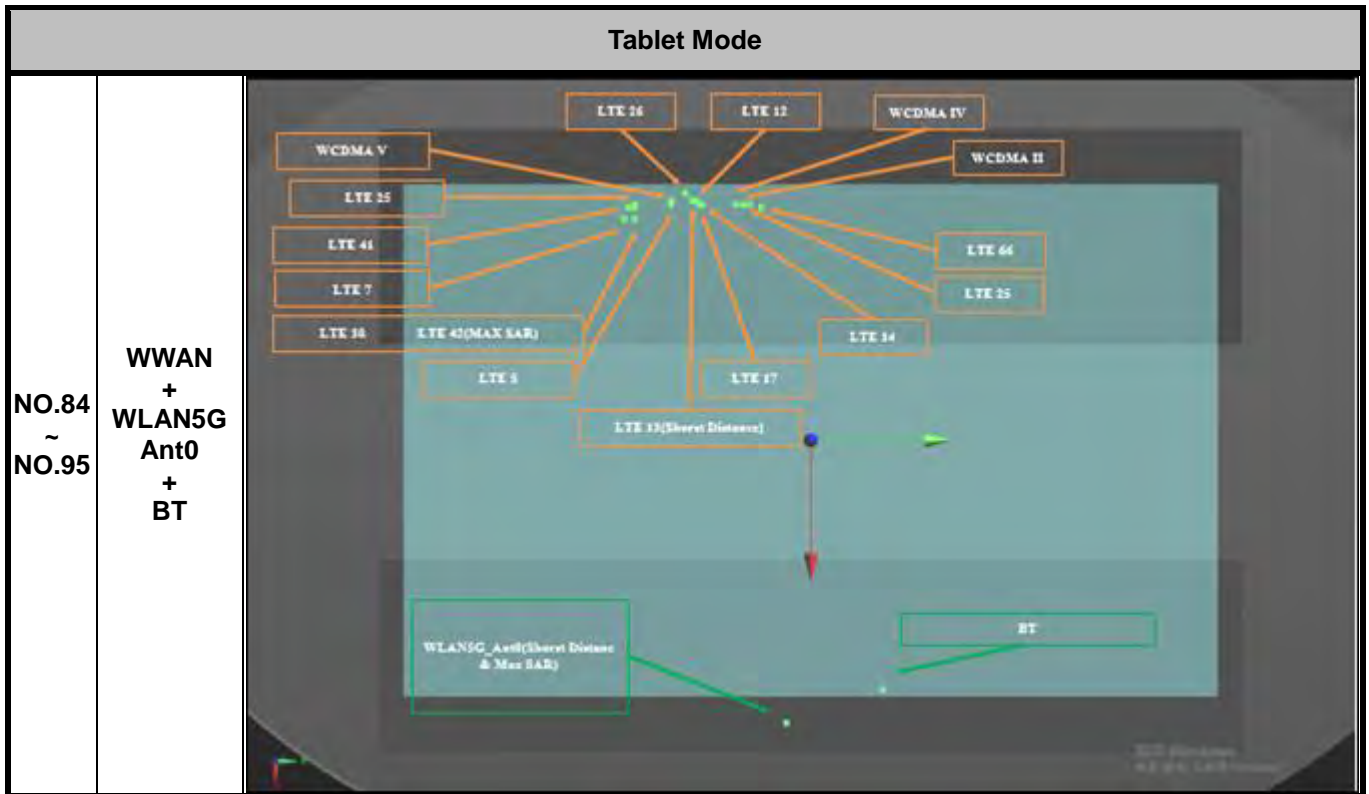
| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.19 | WCDMA V_RMC12.2K_Ch4132 | Body | Rear Face | 0.74 | -100.4 | -58.9 | -0.01 | 206.4 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | WCDMA V_RMC12.2K_Ch4132 | Body | Rear Face | 0.74 | -100.4 | -58.9 | -0.01 | 218.9 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.20 | LTE 5_QPSK10M_Ch20450 | Body | Rear Face | 1.03 | -98 | -57 | 0.37 | 203.8 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 5_QPSK10M_Ch20450 | Body | Rear Face | 1.03 | -98 | -57 | 0.37 | 216.0 | 0.01 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.21 | LTE 7_QPSK20M_Ch20850 | Body | Rear Face | 0.93 | -91.5 | -74 | -1.07 | 200.4 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 7_QPSK20M_Ch20850 | Body | Rear Face | 0.93 | -91.5 | -74 | -1.07 | 217.1 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.22 | LTE 12_QPSK10M_Ch23130 | Body | Rear Face | 0.64 | -101.6 | -41.6 | -0.62 | 205.9 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 12_QPSK10M_Ch23130 | Body | Rear Face | 0.64 | -101.6 | -41.6 | -0.62 | 214.2 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.23 | LTE 13_QPSK10M_Ch23230 | Body | Rear Face | 0.66 | -101.6 | -49.5 | -0.6 | 206.5 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 13_QPSK10M_Ch23230 | Body | Rear Face | 0.66 | -101.6 | -49.5 | -0.6 | 216.7 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.24 | LTE 14_QPSK10M_Ch23330 | Body | Rear Face | 0.81 | -96 | -40.2 | 0.17 | 200.3 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 14_QPSK10M_Ch23330 | Body | Rear Face | 0.81 | -96 | -40.2 | 0.17 | 208.4 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.25 | LTE 17_QPSK10M_Ch23790 | Body | Rear Face | 0.72 | -98.5 | -38.5 | 0.24 | 202.7 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 17_QPSK10M_Ch23790 | Body | Rear Face | 0.72 | -98.5 | -38.5 | 0.24 | 210.3 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.26 | LTE 25_QPSK20M_Ch26590 | Body | Rear Face | 1.05 | -103.3 | -25.5 | -1.16 | 207.4 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 25_QPSK20M_Ch26590 | Body | Rear Face | 1.05 | -103.3 | -25.5 | -1.16 | 211.5 | 0.01 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.27 | LTE 26_QPSK15M_Ch26865 | Body | Rear Face | 0.79 | -104.6 | -52.5 | -1.17 | 209.8 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 26_QPSK15M_Ch26865 | Body | Rear Face | 0.79 | -104.6 | -52.5 | -1.17 | 220.5 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.28 | LTE 30_QPSK10M_Ch27710 | Body | Rear Face | 1.04 | -92.5 | -73.5 | -0.34 | 201.3 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 30_QPSK10M_Ch27710 | Body | Rear Face | 1.04 | -92.5 | -73.5 | -0.34 | 217.7 | 0.01 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.30 | LTE 41_QPSK20M_Ch40185 | Body | Rear Face | 0.82 | -95 | -74.5 | -1.03 | 203.9 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 41_QPSK20M_Ch40185 | Body | Rear Face | 0.82 | -95 | -74.5 | -1.03 | 220.4 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.32 | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 201.2 | 0.02 |
| | WLAN2.4G_802.11b_Ant0 | | | 1.16 | 104 | -30 | -0.39 | | |
| | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 204.3 | 0.01 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Rear Face | 1.16 | 104 | -30 | -0.39 | 53.6 | 0.03 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.84 | WCDMA II_RMC12.2K_Ch9538 | Body | Rear Face | 0.99 | -97 | -79.9 | 0.14 | 219.9 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | WCDMA II_RMC12.2K_Ch9538 | Body | Rear Face | 0.99 | -97 | -79.9 | 0.14 | 224.7 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.85 | WCDMA IV_RMC12.2K_Ch1513 | Body | Rear Face | 0.8 | -102 | -29 | -0.1 | 215.5 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | WCDMA IV_RMC12.2K_Ch1513 | Body | Rear Face | 0.8 | -102 | -29 | -0.1 | 211.1 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |



SAR Test Report

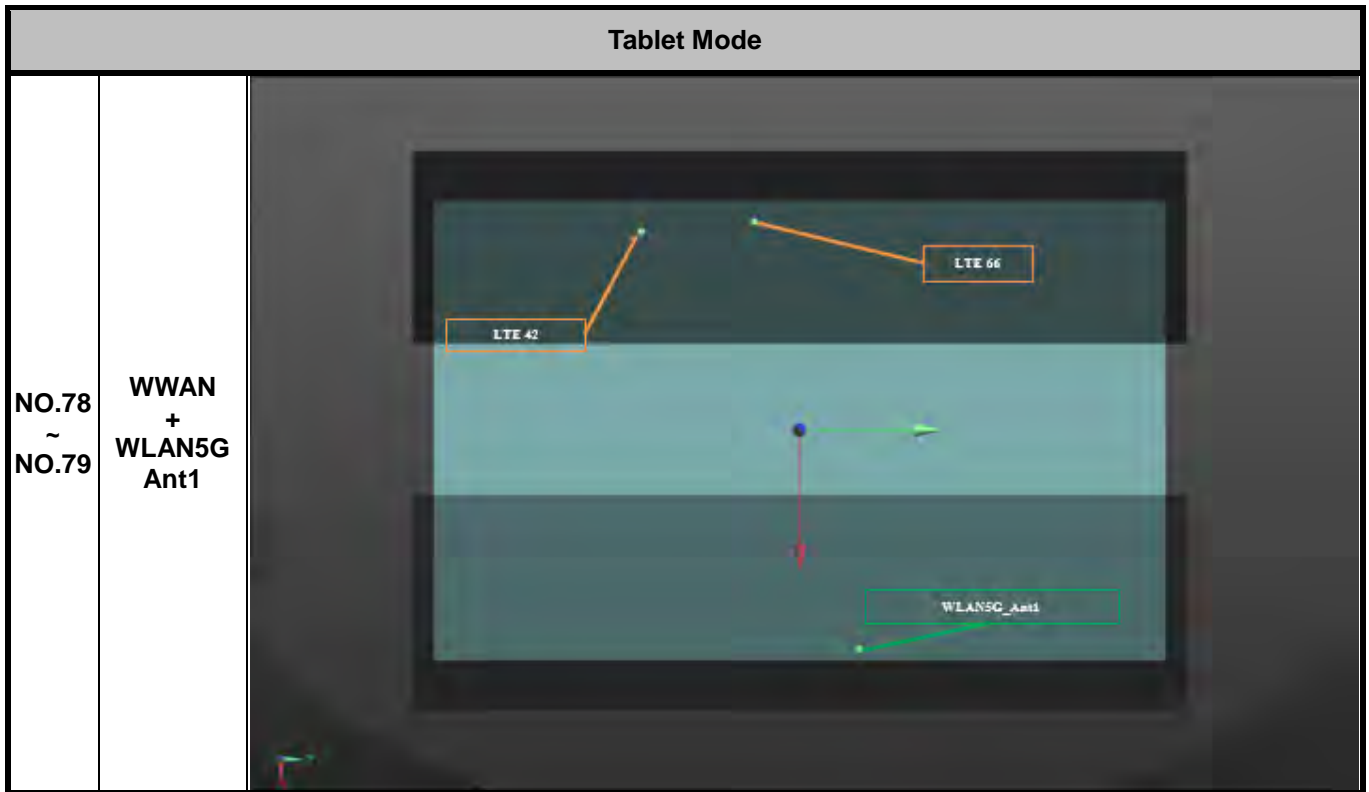
| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|---------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.86 | LTE 5_QPSK10M_Ch20450 | Body | Rear Face | 1.03 | -98 | -57 | 0.37 | 215.2 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 5_QPSK10M_Ch20450 | Body | Rear Face | 1.03 | -98 | -57 | 0.37 | 216.0 | 0.01 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.87 | LTE 7_QPSK20M_Ch20850 | Body | Rear Face | 0.93 | -91.5 | -74 | -1.07 | 212.9 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 7_QPSK20M_Ch20850 | Body | Rear Face | 0.93 | -91.5 | -74 | -1.07 | 217.1 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.88 | LTE 14_QPSK10M_Ch23330 | Body | Rear Face | 0.81 | -96 | -40.2 | 0.17 | 210.5 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 14_QPSK10M_Ch23330 | Body | Rear Face | 0.81 | -96 | -40.2 | 0.17 | 208.4 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.89 | LTE 25_QPSK20M_Ch26590 | Body | Rear Face | 1.05 | -103.3 | -25.5 | -1.16 | 216.6 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 25_QPSK20M_Ch26590 | Body | Rear Face | 1.05 | -103.3 | -25.5 | -1.16 | 211.5 | 0.01 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.90 | LTE 26_QPSK15M_Ch26865 | Body | Rear Face | 0.79 | -104.6 | -52.5 | -1.17 | 220.8 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 26_QPSK15M_Ch26865 | Body | Rear Face | 0.79 | -104.6 | -52.5 | -1.17 | 220.5 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |



SAR Test Report

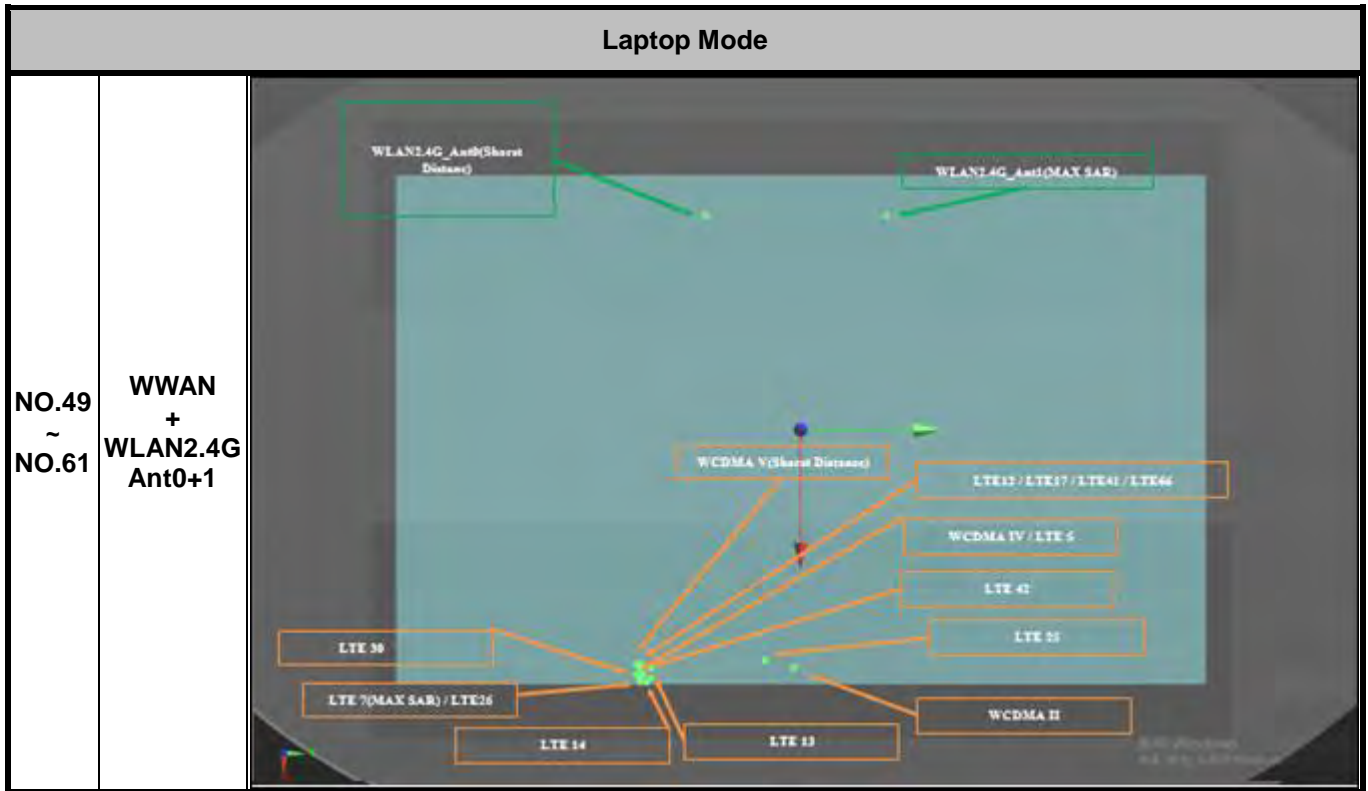
| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.91 | LTE 30_QPSK10M_Ch27710 | Body | Rear Face | 1.04 | -92.5 | -73.5 | -0.34 | 213.7 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 30_QPSK10M_Ch27710 | Body | Rear Face | 1.04 | -92.5 | -73.5 | -0.34 | 217.7 | 0.01 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.93 | LTE 41_QPSK20M_Ch40185 | Body | Rear Face | 0.82 | -95 | -74.5 | -1.03 | 216.4 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 41_QPSK20M_Ch40185 | Body | Rear Face | 0.82 | -95 | -74.5 | -1.03 | 220.4 | 0.00 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| No.95 | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 210.1 | 0.01 |
| | WLA5.3G_802.11ac VHT160_Ant0 | | | 0.74 | 113 | -14.8 | -0.54 | | |
| | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 204.3 | 0.01 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |
| | WLA5.3G_802.11ac VHT160_Ant0 | Body | Rear Face | 0.74 | 113 | -14.8 | -0.54 | 39.8 | 0.02 |
| | BT_BDR | | | 0.07 | 102.4 | 23.6 | -0.13 | | |

SAR Test Report



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.78 | LTE 42_QPSK20M_Ch41690 | Body | Rear Face | 1.19 | -89.5 | -68.5 | -0.32 | 204.1 | 0.01 |
| | WLAN5.6G_802.11ac VHT160_Ant1 | | | 0.5 | 91.6 | 25.6 | -2.47 | | |
| No.79 | LTE 66_QPSK20M_Ch132572 | Body | Rear Face | 1.18 | -97 | -21 | 0.22 | 194.3 | 0.01 |
| | WLAN5.6G_802.11ac VHT160_Ant1 | | | 0.5 | 91.6 | 25.6 | -2.47 | | |

SAR Test Report



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|--------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.49 | WCDMA II_RMC12.2K_Ch9538 | Body | Bottom | 0.76 | 103.2 | -6.2 | -0.79 | 189.8 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | WCDMA II_RMC12.2K_Ch9538 | Body | Bottom | 0.76 | 103.2 | -6.2 | -0.79 | 196.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| No.50 | WCDMA V_RMC12.2K_Ch4182 | Body | Bottom | 0.59 | 98.5 | -67.4 | -0.28 | 184.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | WCDMA V_RMC12.2K_Ch4182 | Body | Bottom | 0.59 | 98.5 | -67.4 | -0.28 | 213.6 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.51 | LTE 5_QPSK10M_Ch20600 | Body | Bottom | 0.7 | 103.6 | -66 | -0.29 | 189.0 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 5_QPSK10M_Ch20600 | Body | Bottom | 0.7 | 103.6 | -66 | -0.29 | 217.4 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| No.52 | LTE 7_QPSK20M_Ch20850 | Body | Bottom | 0.96 | 106.5 | -65.5 | -0.34 | 191.8 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 7_QPSK20M_Ch20850 | Body | Bottom | 0.96 | 106.5 | -65.5 | -0.34 | 219.7 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| No.53 | LTE 12_QPSK10M_Ch23060 | Body | Bottom | 0.6 | 100.1 | -65.9 | -0.25 | 185.5 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 12_QPSK10M_Ch23060 | Body | Bottom | 0.6 | 100.1 | -65.9 | -0.25 | 214.3 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| No.54 | LTE 17_QPSK10M_Ch23790 | Body | Bottom | 0.79 | 100.1 | -65.9 | -0.26 | 185.5 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 17_QPSK10M_Ch23790 | Body | Bottom | 0.79 | 100.1 | -65.9 | -0.26 | 214.3 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |

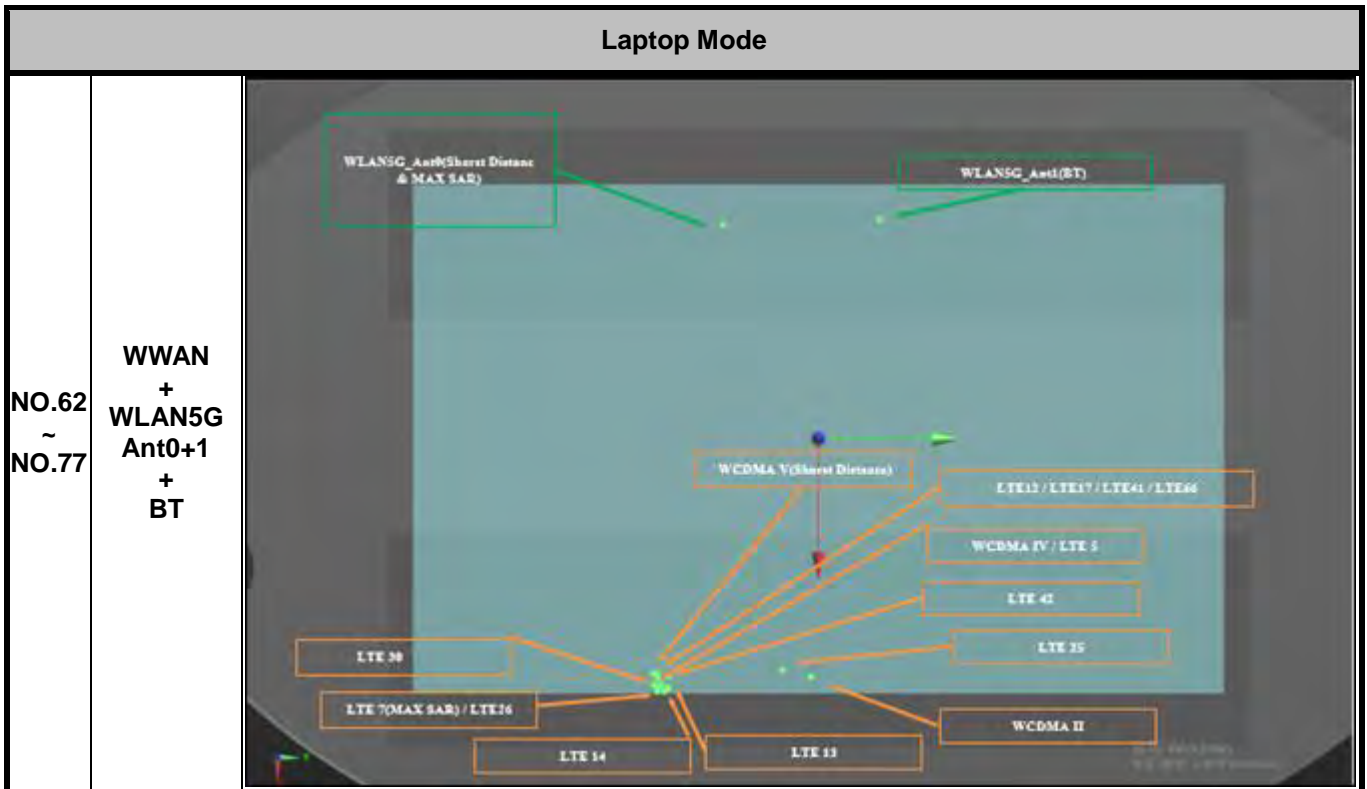
SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.55 | LTE 25_QPSK20M_Ch26590 | Body | Bottom | 0.82 | 97 | -8.6 | 0.64 | 183.3 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 25_QPSK20M_Ch26590 | Body | Bottom | 0.82 | 97 | -8.6 | 0.64 | 190.7 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| No.56 | LTE 26_QPSK15M_Ch26765 | Body | Bottom | 0.58 | 106 | -67.5 | -0.68 | 191.6 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 26_QPSK15M_Ch26765 | Body | Bottom | 0.58 | 106 | -67.5 | -0.68 | 220.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| No.57 | LTE 30_QPSK10M_Ch27710 | Body | Bottom | 0.89 | 106 | -69 | -0.23 | 191.8 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 30_QPSK10M_Ch27710 | Body | Bottom | 0.89 | 106 | -69 | -0.23 | 220.9 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.59 | LTE 41_QPSK20M_Ch41490 | Body | Bottom | 0.76 | 101.5 | -67.5 | -0.16 | 187.1 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 41_QPSK20M_Ch41490 | Body | Bottom | 0.76 | 101.5 | -67.5 | -0.16 | 216.3 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| No.61 | LTE 66_QPSK20M_Ch132572 | Body | Bottom | 0.88 | 104.5 | -65.9 | -0.37 | 189.9 | 0.01 |
| | WLAN2.4G_802.11b_Ant0 | | | 0.48 | -83.6 | -40 | 0.36 | | |
| | LTE 66_QPSK20M_Ch132572 | Body | Bottom | 0.88 | 104.5 | -65.9 | -0.37 | 218.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |
| | WLAN2.4G_802.11b_Ant0 | Body | Bottom | 0.48 | -83.6 | -40 | 0.36 | 76.2 | 0.01 |
| | WLAN2.4G_802.11b_Ant1 | | | 0.54 | -88.4 | 36 | -0.39 | | |

SAR Test Report



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|----------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.62 | WCDMA II_RMC12.2K_Ch9538 | Body | Bottom | 0.76 | 103.2 | -6.2 | -0.79 | 190.9 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | WCDMA II_RMC12.2K_Ch9538 | Body | Bottom | 0.76 | 103.2 | -6.2 | -0.79 | 192.7 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.63 | WCDMA IV_RMC12.2K_Ch1513 | Body | Bottom | 0.55 | 103.2 | -65.9 | -0.79 | 190.6 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | WCDMA IV_RMC12.2K_Ch1513 | Body | Bottom | 0.55 | 103.2 | -65.9 | -0.79 | 211.8 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|-------------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.64 | WCDMA V_RMC12.2K_Ch4182 | Body | Bottom | 0.59 | 98.5 | -67.4 | -0.28 | 186.2 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | WCDMA V_RMC12.2K_Ch4182 | Body | Bottom | 0.59 | 98.5 | -67.4 | -0.28 | 208.2 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.65 | LTE 5_QPSK10M_Ch20600 | Body | Bottom | 0.7 | 103.6 | -66 | -0.29 | 191.0 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 5_QPSK10M_Ch20600 | Body | Bottom | 0.7 | 103.6 | -66 | -0.29 | 212.2 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.66 | LTE 7_QPSK20M_Ch20850 | Body | Bottom | 0.96 | 106.5 | -65.5 | -0.34 | 193.8 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 7_QPSK20M_Ch20850 | Body | Bottom | 0.96 | 106.5 | -65.5 | -0.34 | 214.5 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.67 | LTE 12_QPSK10M_Ch23060 | Body | Bottom | 0.6 | 100.1 | -65.9 | -0.25 | 187.6 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 12_QPSK10M_Ch23060 | Body | Bottom | 0.6 | 100.1 | -65.9 | -0.25 | 209.0 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |



SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|----------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.68 | LTE 13_QPSK10M_Ch23230 | Body | Bottom | 0.51 | 102.9 | -64.6 | -0.37 | 190.1 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 13_QPSK10M_Ch23230 | Body | Bottom | 0.51 | 102.9 | -64.6 | -0.37 | 210.9 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.69 | LTE 14_QPSK10M_Ch23330 | Body | Bottom | 0.51 | 106 | -64.5 | -0.32 | 193.2 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 14_QPSK10M_Ch23330 | Body | Bottom | 0.51 | 106 | -64.5 | -0.32 | 213.7 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.70 | LTE 17_QPSK10M_Ch23790 | Body | Bottom | 0.79 | 100.1 | -65.9 | -0.26 | 187.6 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 17_QPSK10M_Ch23790 | Body | Bottom | 0.79 | 100.1 | -65.9 | -0.26 | 209.0 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.71 | LTE 25_QPSK20M_Ch26590 | Body | Bottom | 0.82 | 97 | -8.6 | 0.64 | 184.4 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 25_QPSK20M_Ch26590 | Body | Bottom | 0.82 | 97 | -8.6 | 0.64 | 187.1 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |

SAR Test Report

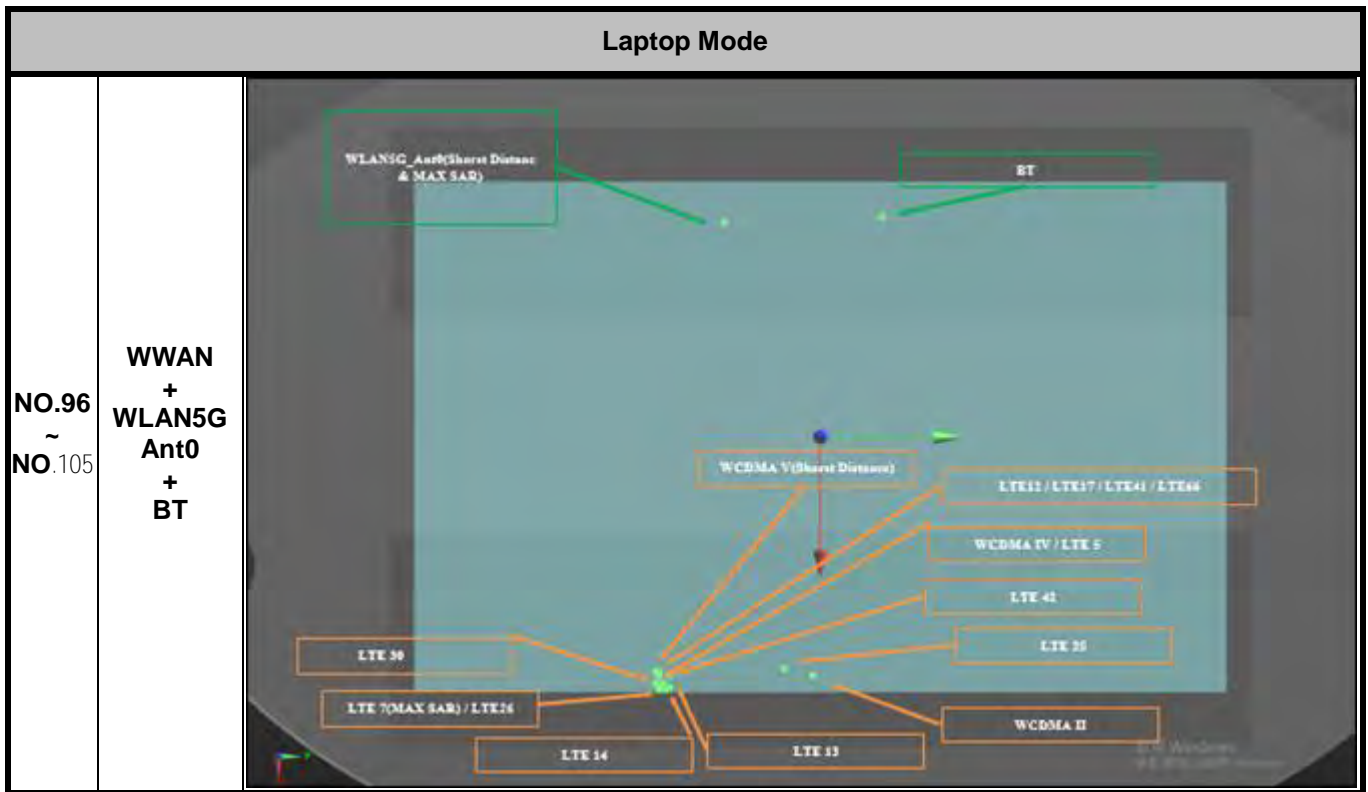
| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|----------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.72 | LTE 26_QPSK15M_Ch26765 | Body | Bottom | 0.58 | 106 | -67.5 | -0.68 | 193.7 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 26_QPSK15M_Ch26765 | Body | Bottom | 0.58 | 106 | -67.5 | -0.68 | 215.0 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.73 | LTE 30_QPSK10M_Ch27710 | Body | Bottom | 0.89 | 106 | -69 | -0.23 | 193.9 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 30_QPSK10M_Ch27710 | Body | Bottom | 0.89 | 106 | -69 | -0.23 | 215.6 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| No.75 | LTE 41_QPSK20M_Ch41490 | Body | Bottom | 0.76 | 101.5 | -67.5 | -0.16 | 189.2 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 41_QPSK20M_Ch41490 | Body | Bottom | 0.76 | 101.5 | -67.5 | -0.16 | 211.0 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |



SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|----------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.77 | LTE 66_QPSK20M_Ch132572 | Body | Bottom | 0.88 | 104.5 | -65.9 | -0.37 | 191.9 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 66_QPSK20M_Ch132572 | Body | Bottom | 0.88 | 104.5 | -65.9 | -0.37 | 212.9 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 65.2 | 0.03 |
| | WLAN5.3G_802.11ac VHT80_Ant1(BT) | | | 0.88 | -86.4 | 28.4 | -0.33 | | |

SAR Test Report



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.96 | WCDMA II_RMC12.2K_Ch9538 | Body | Bottom | 0.76 | 103.2 | -6.2 | -0.79 | 190.9 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | WCDMA II_RMC12.2K_Ch9538 | Body | Bottom | 0.76 | 103.2 | -6.2 | -0.79 | 196.2 | 0.00 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 72.9 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| No.97 | LTE 5_QPSK10M_Ch20600 | Body | Bottom | 0.7 | 103.6 | -66 | -0.29 | 191.0 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 5_QPSK10M_Ch20600 | Body | Bottom | 0.7 | 103.6 | -66 | -0.29 | 217.4 | 0.00 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 72.9 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |

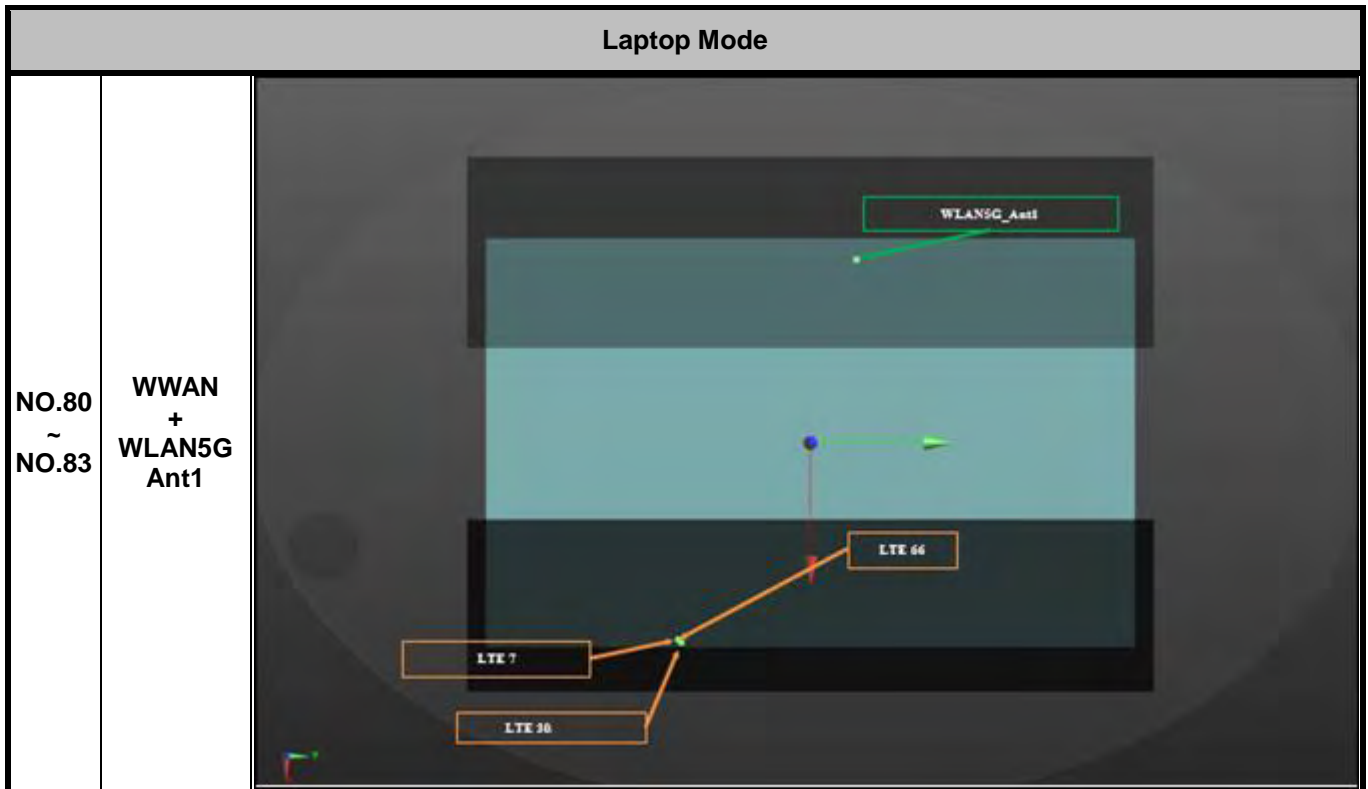


SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.98 | LTE 7_QPSK20M_Ch20850 | Body | Bottom | 0.96 | 106.5 | -65.5 | -0.34 | 193.8 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 7_QPSK20M_Ch20850 | Body | Bottom | 0.96 | 106.5 | -65.5 | -0.34 | 219.7 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 72.9 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| No.99 | LTE 17_QPSK10M_Ch23790 | Body | Bottom | 0.79 | 100.1 | -65.9 | -0.26 | 187.6 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 17_QPSK10M_Ch23790 | Body | Bottom | 0.79 | 100.1 | -65.9 | -0.26 | 214.3 | 0.00 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 72.9 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| No.100 | LTE 25_QPSK20M_Ch26590 | Body | Bottom | 0.82 | 97 | -8.6 | 0.64 | 184.4 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 25_QPSK20M_Ch26590 | Body | Bottom | 0.82 | 97 | -8.6 | 0.64 | 190.7 | 0.00 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 72.9 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| No.101 | LTE 30_QPSK10M_Ch27710 | Body | Bottom | 0.89 | 106 | -69 | -0.23 | 193.9 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 30_QPSK10M_Ch27710 | Body | Bottom | 0.89 | 106 | -69 | -0.23 | 220.9 | 0.00 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 72.9 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |

SAR Test Report

| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.103 | LTE 41_QPSK20M_Ch41490 | Body | Bottom | 0.76 | 101.5 | -67.5 | -0.16 | 189.2 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 41_QPSK20M_Ch41490 | Body | Bottom | 0.76 | 101.5 | -67.5 | -0.16 | 216.3 | 0.00 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 72.9 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| No.105 | LTE 66_QPSK20M_Ch132572 | Body | Bottom | 0.88 | 104.5 | -65.9 | -0.37 | 191.9 | 0.01 |
| | WLAN5.3G_802.11ac VHT80_Ant0 | | | 0.79 | -85.2 | -36.8 | 0.28 | | |
| | LTE 66_QPSK20M_Ch132572 | Body | Bottom | 0.88 | 104.5 | -65.9 | -0.37 | 218.2 | 0.00 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |
| | WLAN5.3G_802.11ac VHT80_Ant0 | Body | Bottom | 0.79 | -85.2 | -36.8 | 0.28 | 72.9 | 0.01 |
| | BT_BDR_Ant1 | | | 0.12 | -88.4 | 36 | -0.41 | | |



| Plot No. | Conditions | Exposure Condition | Test Position | SAR Value (W/kg) | Coordinates | | | Peak Location Separation Distance (Ri, mm) | SPLSR |
|----------|------------------------------|--------------------|---------------|------------------|-------------|-------|-------|--|-------|
| | | | | | x | y | z | | |
| No.80 | LTE 7_QPSK20M_Ch20850 | Body | Bottom | 0.96 | 106.5 | -65.5 | -0.34 | 216.6 | 0.01 |
| | WLAN5.8G_802.11ac VHT80_Ant1 | | | 0.76 | -92.8 | 19.2 | -4.4 | | |
| No.81 | LTE 30_QPSK10M_Ch27710 | Body | Bottom | 0.89 | 106 | -69 | -0.23 | 217.5 | 0.01 |
| | WLAN5.8G_802.11ac VHT80_Ant1 | | | 0.76 | -92.8 | 19.2 | -4.4 | | |
| No.83 | LTE 66_QPSK20M_Ch132572 | Body | Bottom | 0.88 | 104.5 | -65.9 | -0.37 | 214.9 | 0.01 |
| | WLAN5.8G_802.11ac VHT80_Ant1 | | | 0.76 | -92.8 | 19.2 | -4.4 | | |

Test Engineer : Mars Chang, and Hance Chang

5. Calibration of Test Equipment

| Equipment | Manufacturer | Model | SN | Cal. Date | Cal. Interval |
|------------------------------|--------------|------------------|------------|---------------|---------------|
| System Validation Dipole | SPEAG | D750V3 | 1013 | Aug. 23, 2019 | 1 Year |
| System Validation Dipole | SPEAG | D835V2 | 4d121 | Aug. 23, 2019 | 1 Year |
| System Validation Dipole | SPEAG | D1750V2 | 1055 | Aug. 23, 2019 | 1 Year |
| System Validation Dipole | SPEAG | D1900V2 | 5d018 | Jun. 27, 2019 | 1 Year |
| System Validation Dipole | SPEAG | D2300V2 | 1092 | Dec. 13, 2019 | 1 Year |
| System Validation Dipole | SPEAG | D2600V2 | 1020 | Aug. 26, 2019 | 1 Year |
| Dosimetric E-Field Probe | SPEAG | EX3DV4 | 7537 | Jun. 18, 2019 | 1 Year |
| Data Acquisition Electronics | SPEAG | DAE4 | 1585 | Jun. 07, 2019 | 1 Year |
| Spectrum Analyzer | R&S | FSL6 | 102006 | Mar. 26, 2019 | 1 Year |
| Radio Communication Analyzer | Anritsu | MT8821C | 6201381727 | Jun. 14, 2019 | 1 Year |
| Thermometer | YFE | YF-160A | 130504591 | Mar. 22, 2019 | 1 Year |
| Dielectric Assessment Kit | SPEAG | DAKS-3.5 | 1092 | May. 07, 2019 | 1 Year |
| Dielectric Assessment Kit | SPEAG | DAKS_VNA R140 | 0010917 | May. 08, 2019 | 1 Year |
| Powersource1 | SPEAG | SE_UMS_160 BA | 4010 | Aug. 21, 2019 | 1 Year |

6. Measurement Uncertainty

According to KDB 865664 D01, SAR measurement uncertainty analysis is required in SAR reports only when the highest measured SAR in a frequency band is ≥ 1.5 W/kg for 1-g SAR, and ≥ 3.75 W/kg for 10-g SAR. The procedures described in IEEE Std 1528-2013 should be applied. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. When the highest measured SAR within a frequency band is < 1.5 W/kg for 1-g and < 3.75 W/kg for 10-g, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. Hence, the measurement uncertainty analysis is not required in this SAR report because the test result met the condition.

7. Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Web Site: <https://ee.bureauveritas.com.tw/BVInternet/Default>

The road map of all our labs can be found in our web site also.

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Appendix A. SAR Plots of System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

System Check_H750_200215

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T10N1_0215 Medium parameters used: $f = 750$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 43.438$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.485 W/kg

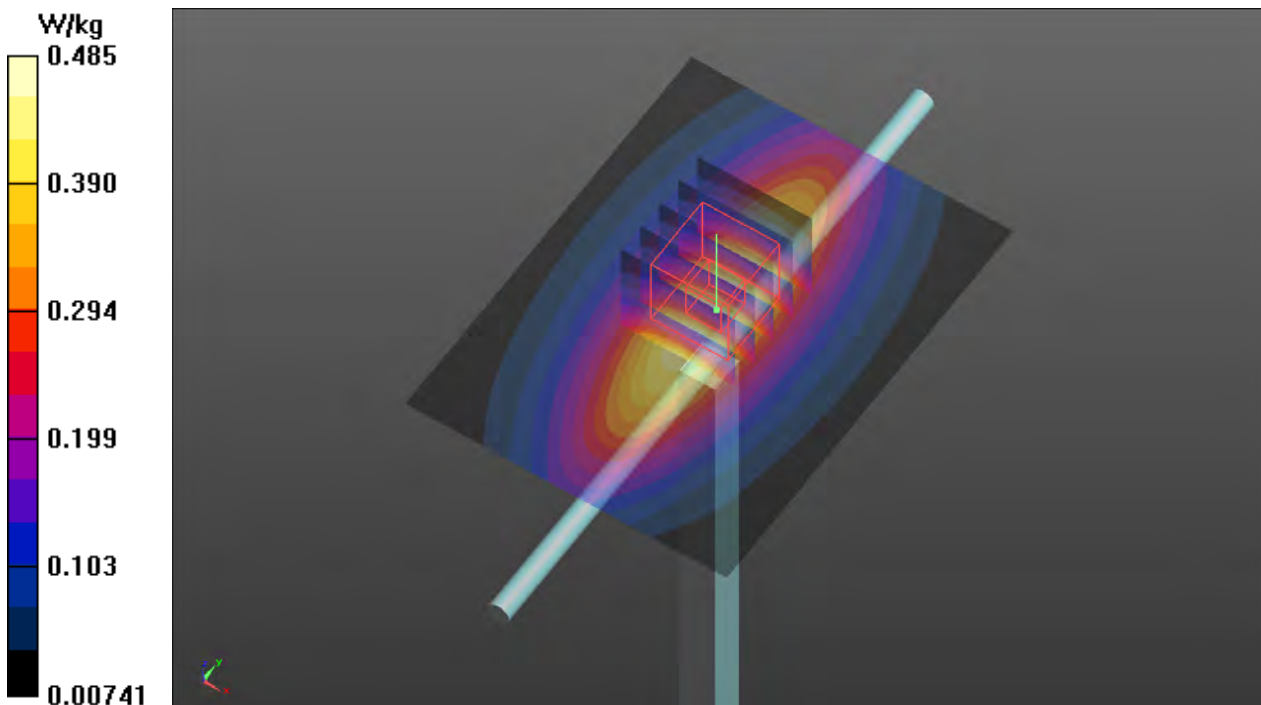
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.86 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.245 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.488 W/kg



System Check_H835_200217

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1_0217 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 42.636$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.8 \text{ }^\circ\text{C}$; Liquid Temperature : $23.2 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.48, 10.48, 10.48); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.552 W/kg

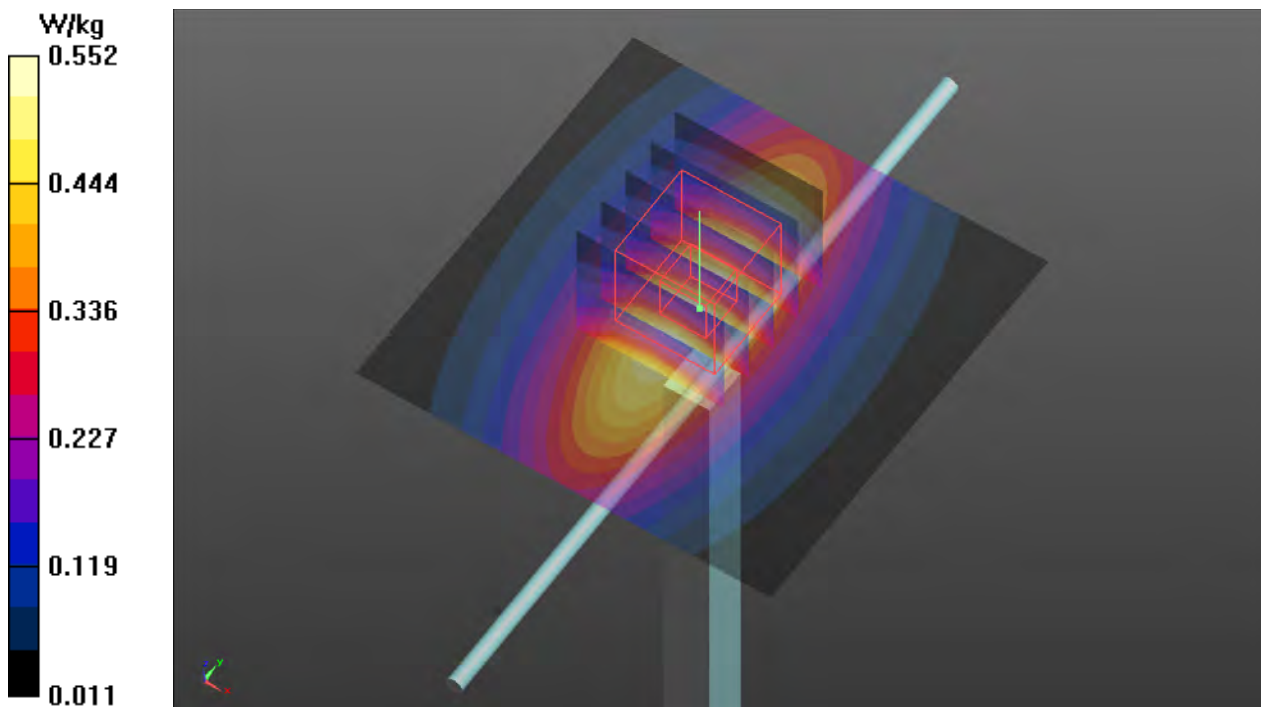
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.91 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.630 W/kg

SAR(1 g) = 0.433 W/kg ; SAR(10 g) = 0.275 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.557 W/kg



System Check_H1750_200221

DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0221 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.328$ S/m; $\epsilon_r = 41.494$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.96 W/kg

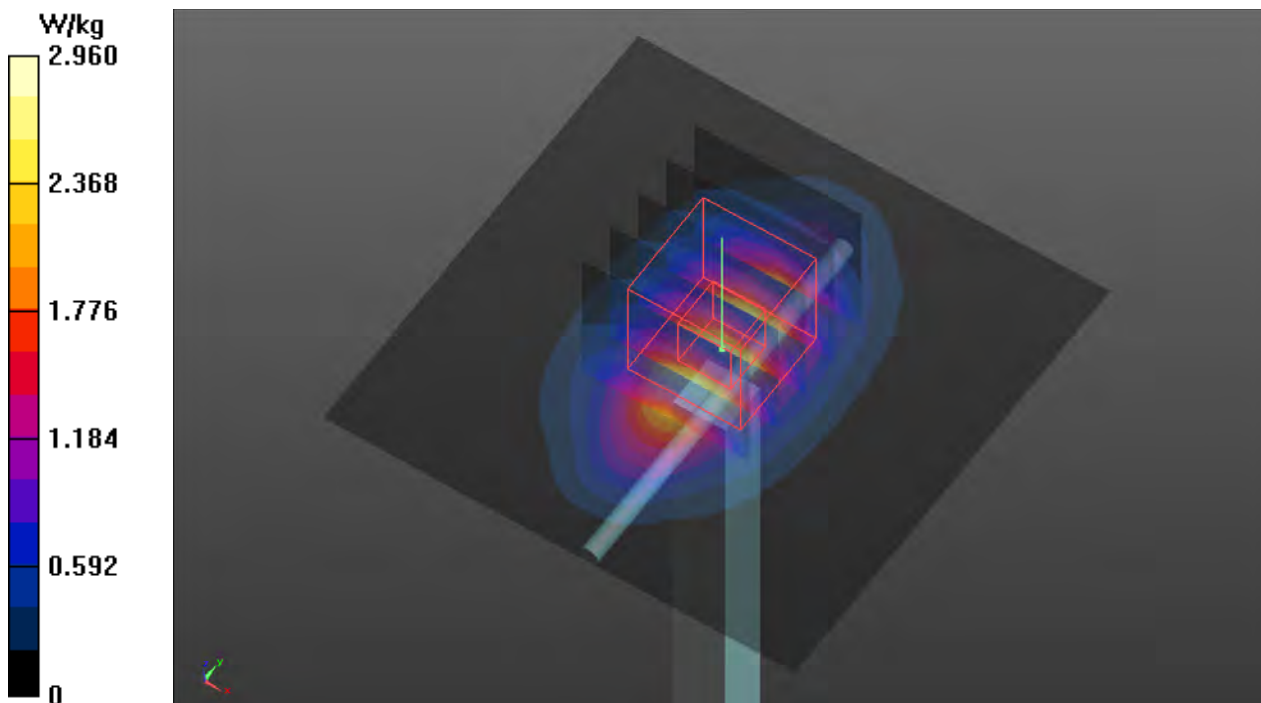
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.05 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.45 W/kg

SAR(1 g) = 2 W/kg; SAR(10 g) = 1.07 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.95 W/kg



System Check_H1900_200217

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d018

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0217 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.459$ S/m; $\epsilon_r = 38.812$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.13, 8.13, 8.13); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.17 W/kg

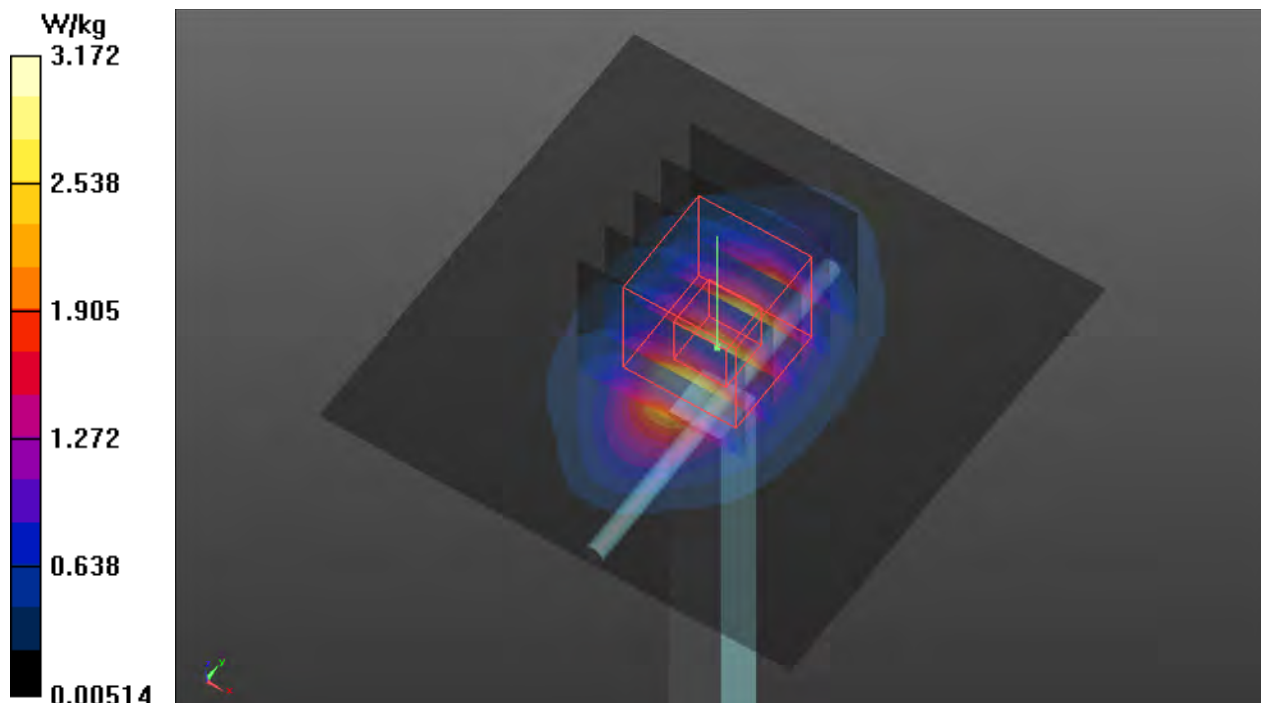
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.07 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.80 W/kg

SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.02 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.16 W/kg



System Check_H2300_200221

DUT: Dipole 2300 MHz; Type: D2300V2; SN:1092

Communication System: CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: H19T27N3_0221 Medium parameters used: $f = 2300$ MHz; $\sigma = 1.743$ S/m; $\epsilon_r = 38.882$; $\rho = 1000$ kg/m³

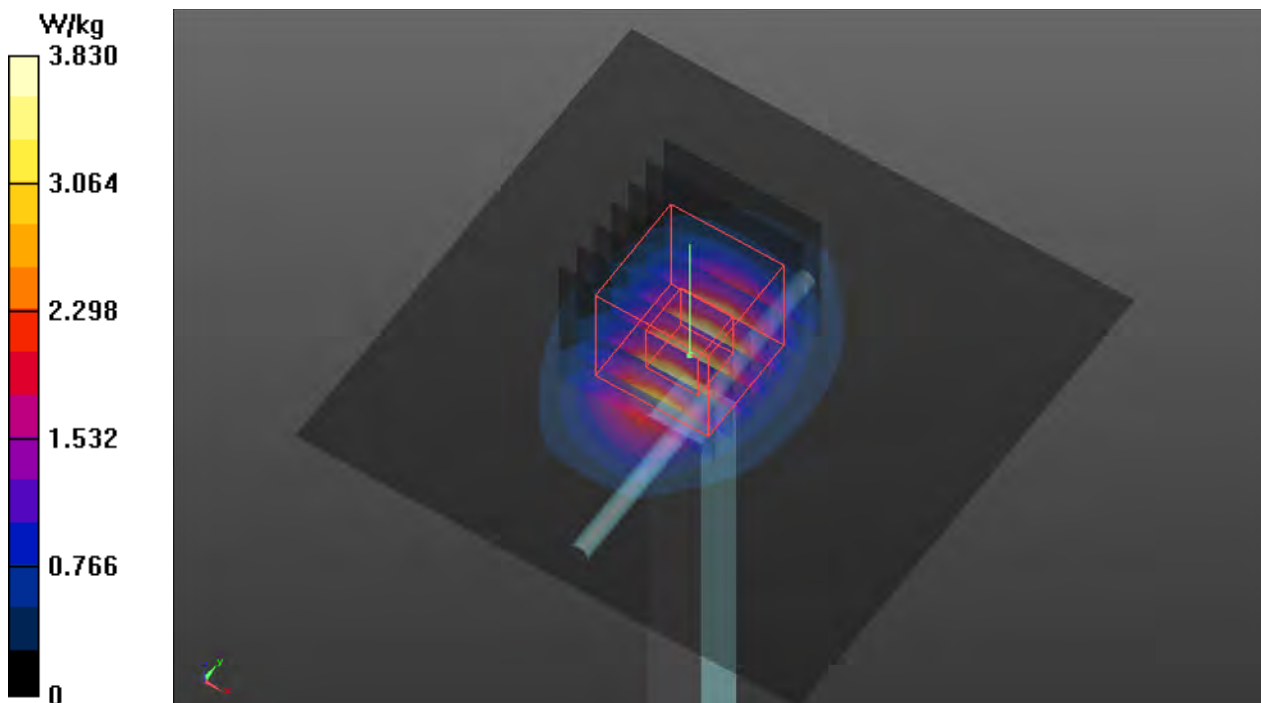
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.75, 7.75, 7.75); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 3.83 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 44.52 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 4.81 W/kg
SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.94 W/kg



System Check_H2600_200220

DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0220 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.049$ S/m; $\epsilon_r = 38.481$; $\rho = 1000$ kg/m³

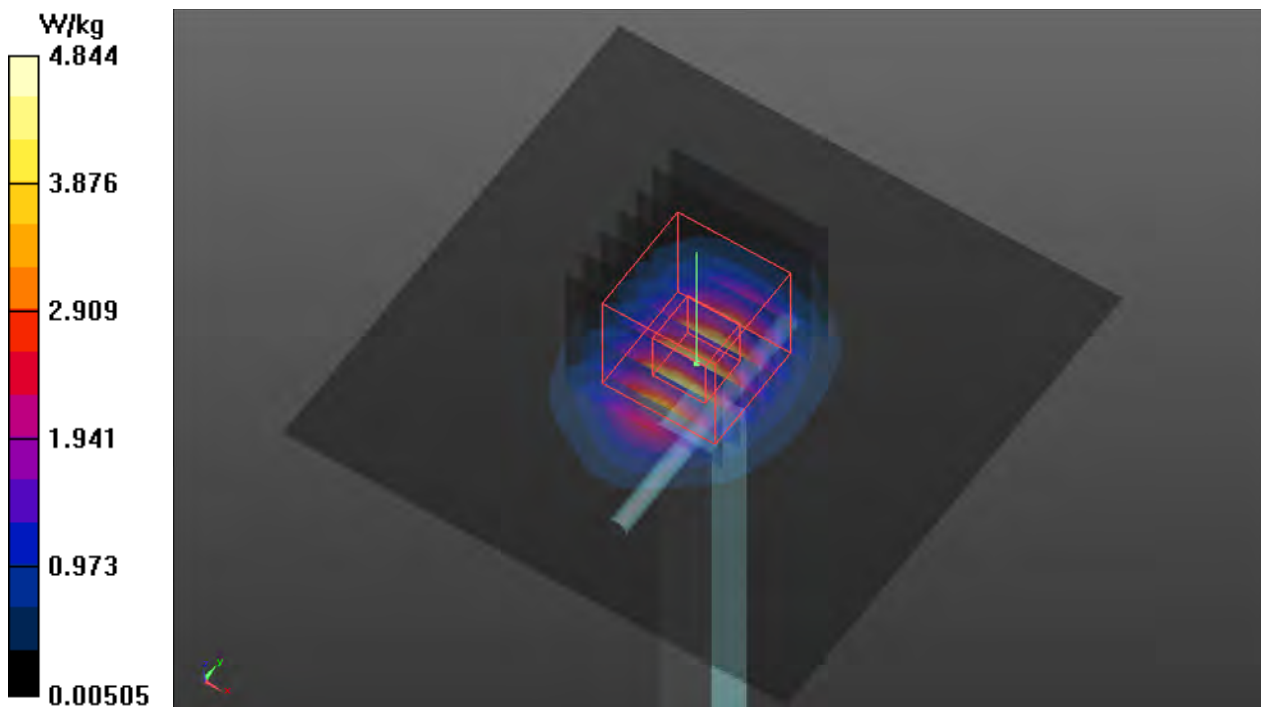
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.84 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.47 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 6.21 W/kg
SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.25 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.94 W/kg



Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

P01 WCDMA II_RMC12.2K_Rear Face_0mm_Ch9538_Sample1_Battery 4 cell_Reduction Power_w

DUT: 191206C11

Communication System: UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1.95
Medium: H16T20N1_0214 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.465$ S/m; $\epsilon_r = 39.841$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

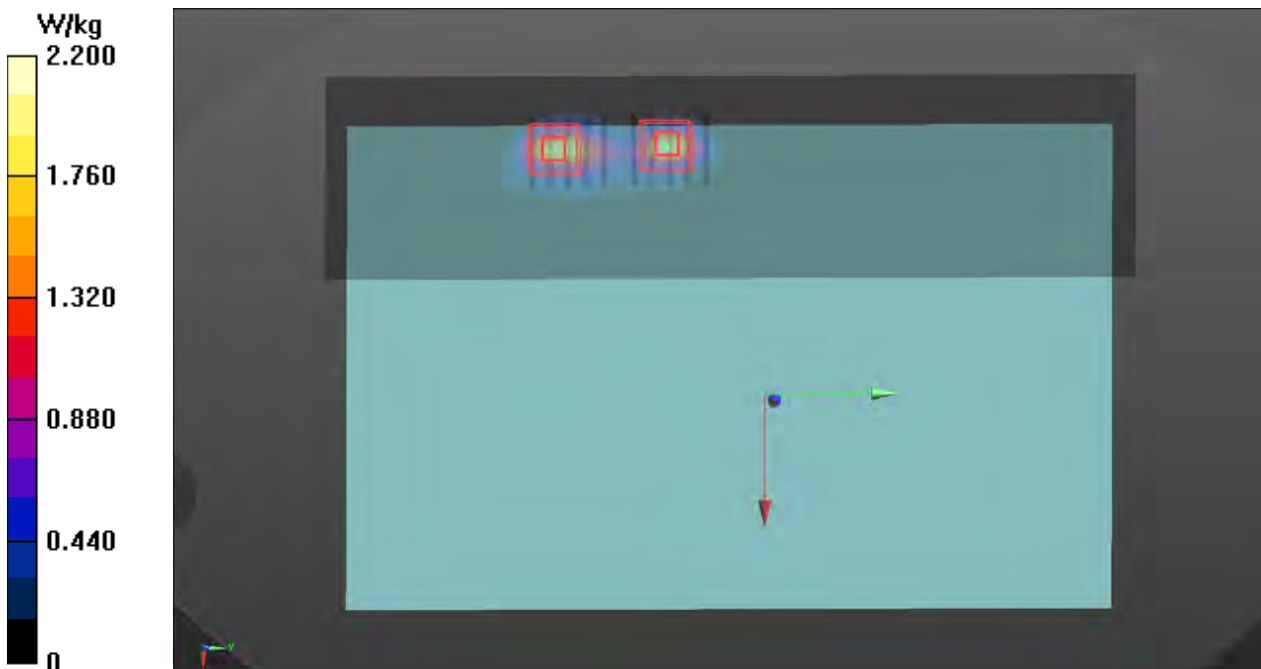
DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.13, 8.13, 8.13); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.20 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 38.76 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.420 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 40.9%
Maximum value of SAR (measured) = 1.89 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 38.76 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.40 W/kg
SAR(1 g) = 0.908 W/kg; SAR(10 g) = 0.373 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 37.3%
Maximum value of SAR (measured) = 1.77 W/kg



P02 WCDMA IV_RMC12.2K_Rear Face_0mm_Ch1513_Sample1_Battery 4 cell_Reduction Power_w

DUT: 191206C11

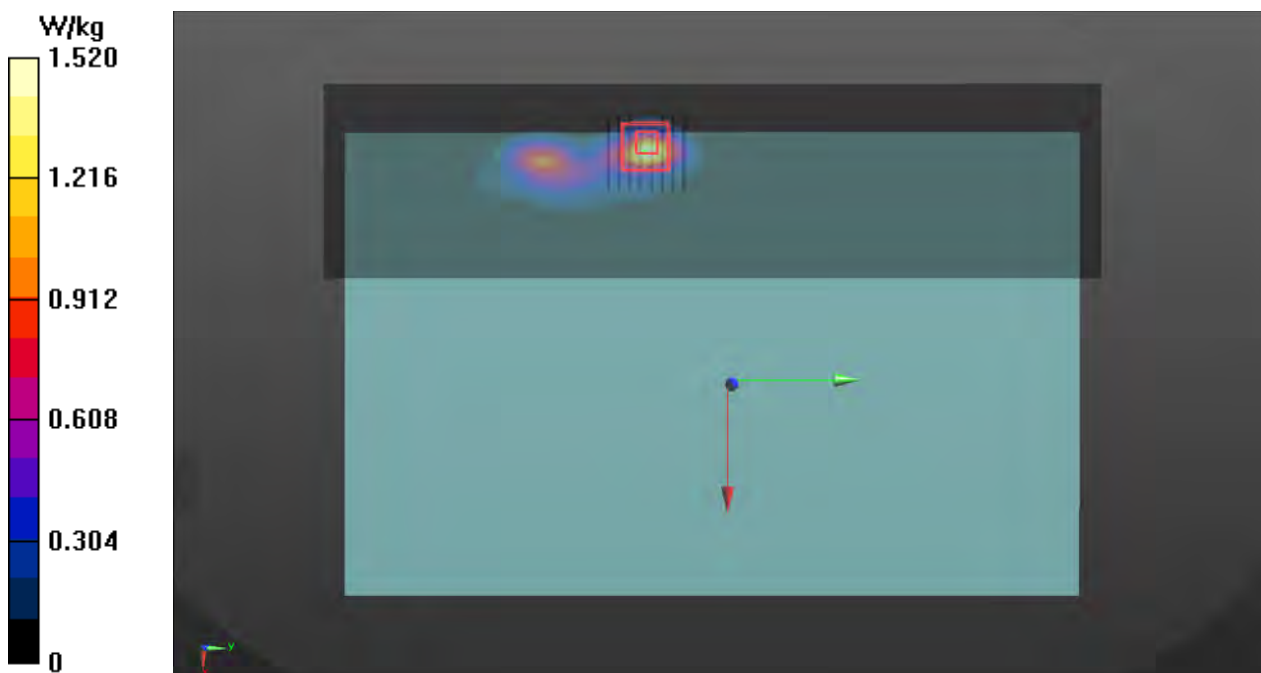
Communication System: UMTS-FDD (WCDMA); Frequency: 1752.6 MHz; Duty Cycle: 1:1.95
Medium: H16T20N1_0214 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.324$ S/m; $\epsilon_r = 40.42$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

- **Zoom Scan 2 (8x8x8)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 34.25 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.287 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 73%
Maximum value of SAR (measured) = 1.53 W/kg



P03 WCDMA V_RMC12.2K_Rear Face_0mm_Ch4132_Sample1_Battery 4 cell_Reduction Power_w

DUT: 191206C11

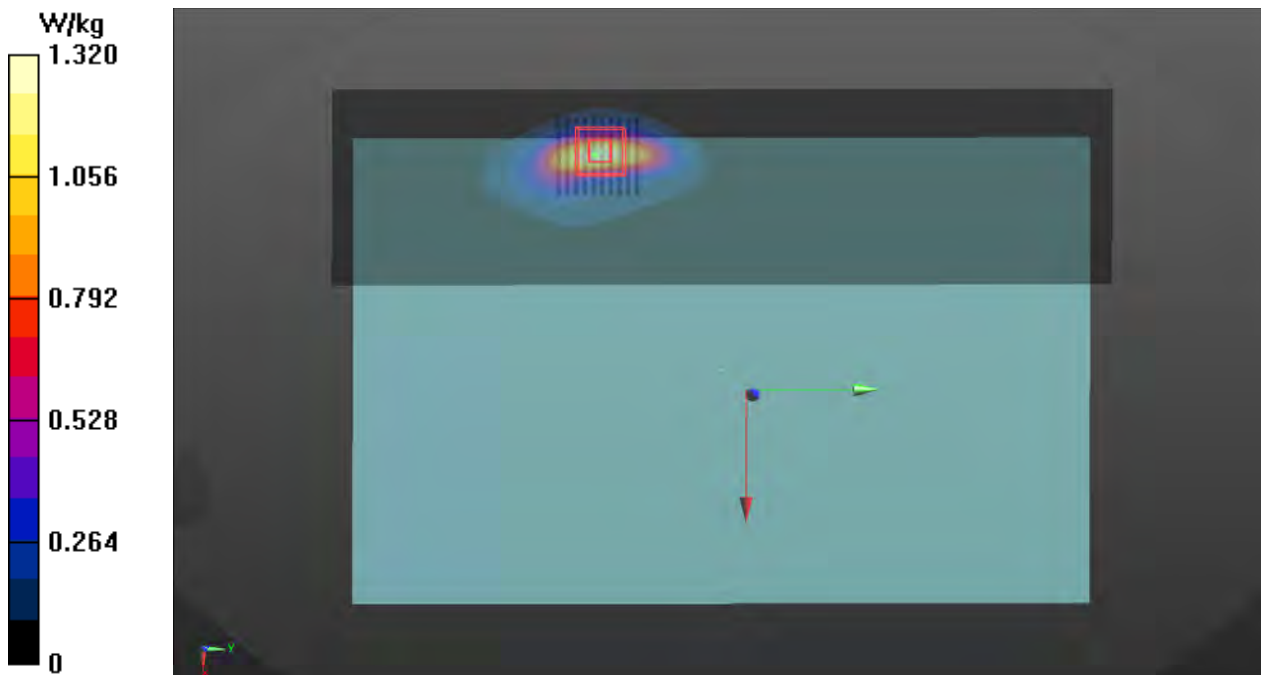
Communication System: UMTS-FDD (WCDMA); Frequency: 826.4 MHz; Duty Cycle: 1:1.95
Medium: H07T10N1_0214 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 42.52$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.48, 10.48, 10.48); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

- **Zoom Scan 2 (10x10x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 40.38 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.03 W/kg
SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.326 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 72.7%
Maximum value of SAR (measured) = 1.30 W/kg



P04 LTE 5_QPSK10M_Rear Face_0mm_Ch20450_1RB_OS0_Sample1_Battery 4 cell_Reduction Power_w

DUT: 191206C11

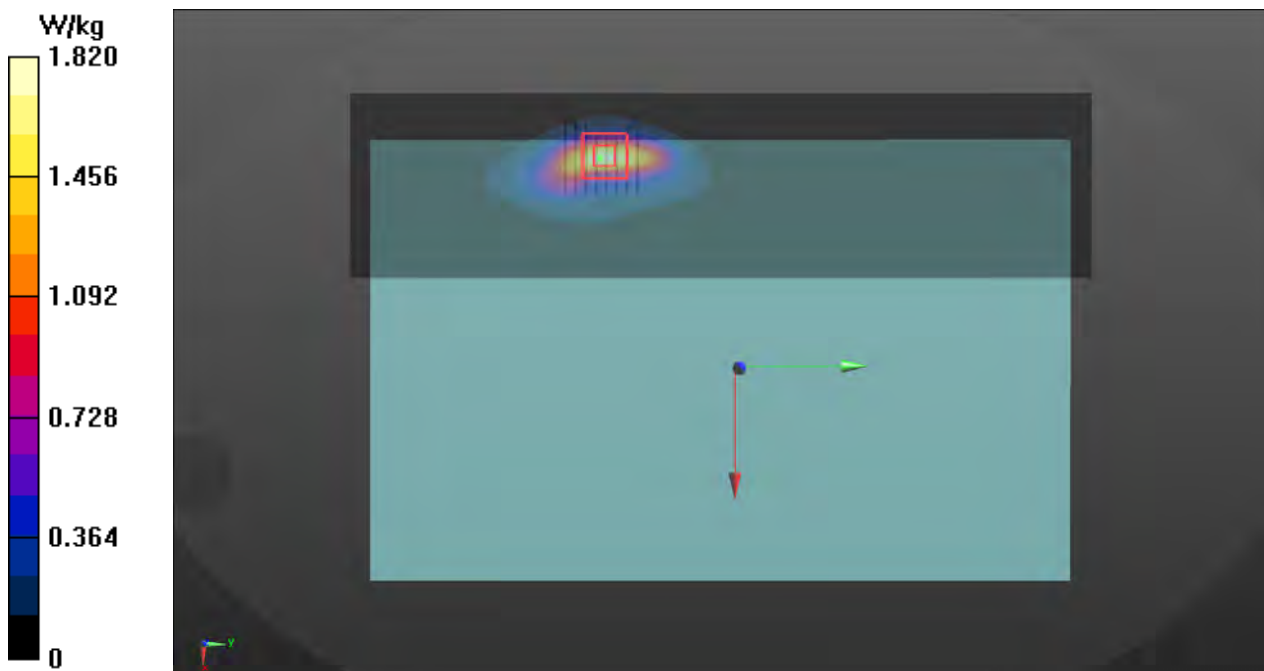
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 829 MHz; Duty Cycle: 1:3.74
Medium: H07T10N1_0214 Medium parameters used: $f = 829$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 42.49$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.48, 10.48, 10.48); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.82 W/kg

- **Zoom Scan 2 (8x8x8)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 46.29 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.91 W/kg
SAR(1 g) = 0.989 W/kg; SAR(10 g) = 0.456 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 73.6%
Maximum value of SAR (measured) = 1.73 W/kg



P05 LTE 7_QPSK20M_Rear Face_0mm_Ch20850_1RB_OS0_Sample2_Battery 4 cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2510 MHz; Duty Cycle: 1:3.74

Medium: H19T27N1_0215 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.917$ S/m; $\epsilon_r = 38.593$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x301x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.59 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.25 V/m; Power Drift = 0.15 dB

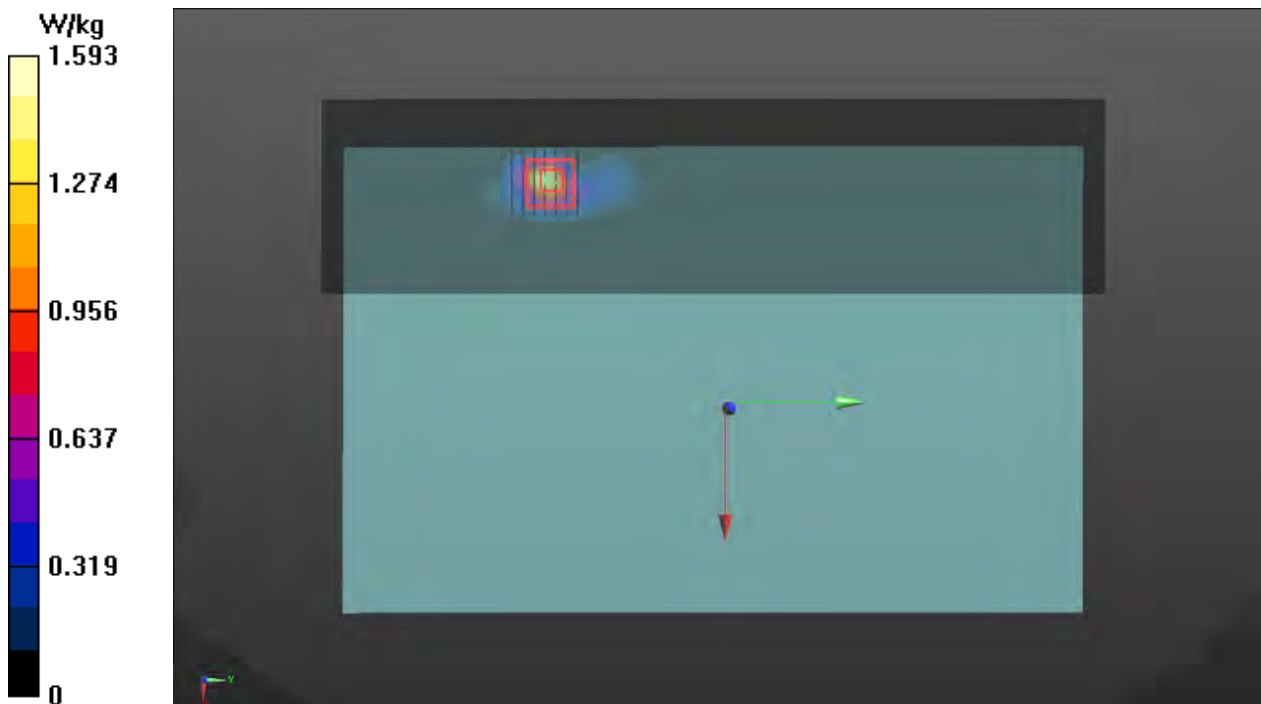
Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.341 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 38.3%

Maximum value of SAR (measured) = 1.86 W/kg



P06 LTE 12_QPSK10M_Rear Face_0mm_Ch23130_1RB_OS0_Sample2_Battery 4 cell_Reduction Power_w

DUT: 191206C11

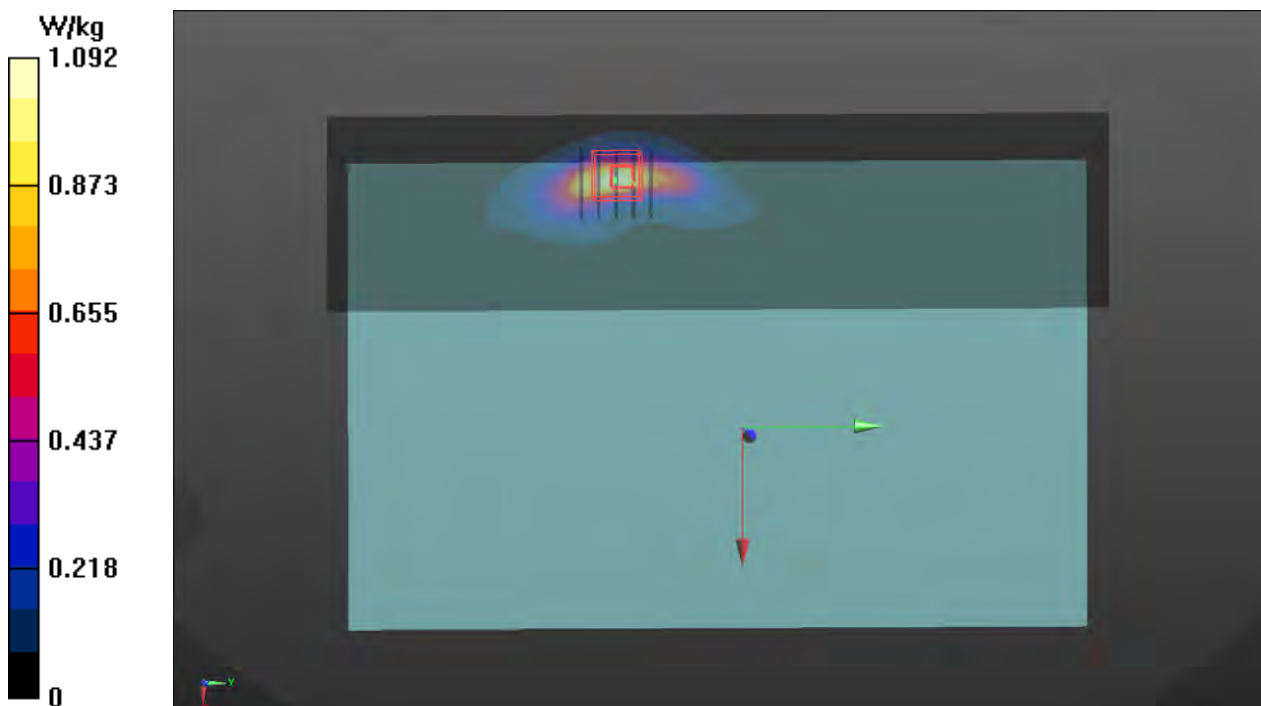
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 711 MHz; Duty Cycle: 1:3.74
Medium: H06T10N1_0215 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ S/m; $\epsilon_r = 43.94$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 37.92 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.287 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 40.6%
Maximum value of SAR (measured) = 1.08 W/kg



P07 LTE 13_QPSK10M_Rear Face_0mm_Ch23230_1RB_OS0_Sample2_Battery 4 cell_Reduction Power_w

DUT: 191206C11

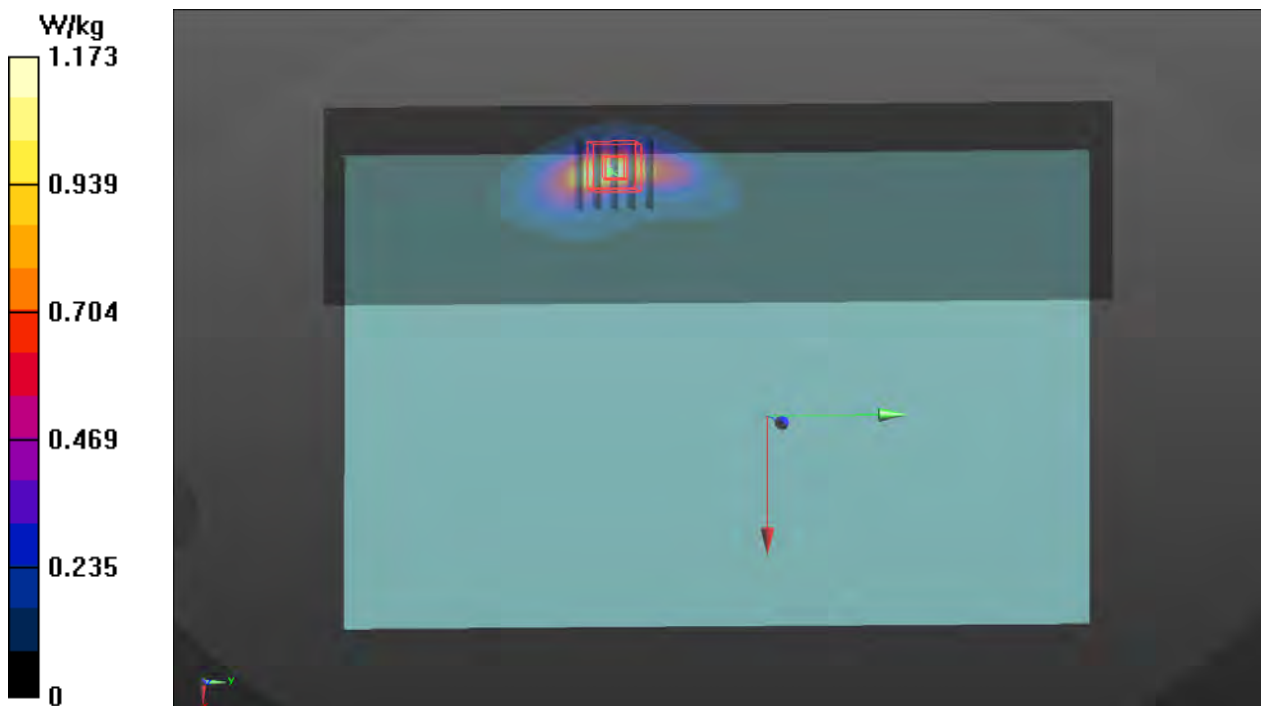
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz; Duty Cycle: 1:3.74
Medium: H07T10N1_0215 Medium parameters used: $f = 782$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 43.055$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 38.14 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.303 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 42.6%
Maximum value of SAR (measured) = 1.16 W/kg



P08 LTE 14_QPSK10M_Rear Face_0mm_Ch23330_1RB_OS0_Sample4_Battery 4 cell_Reduction Power_w

DUT: 191206C11

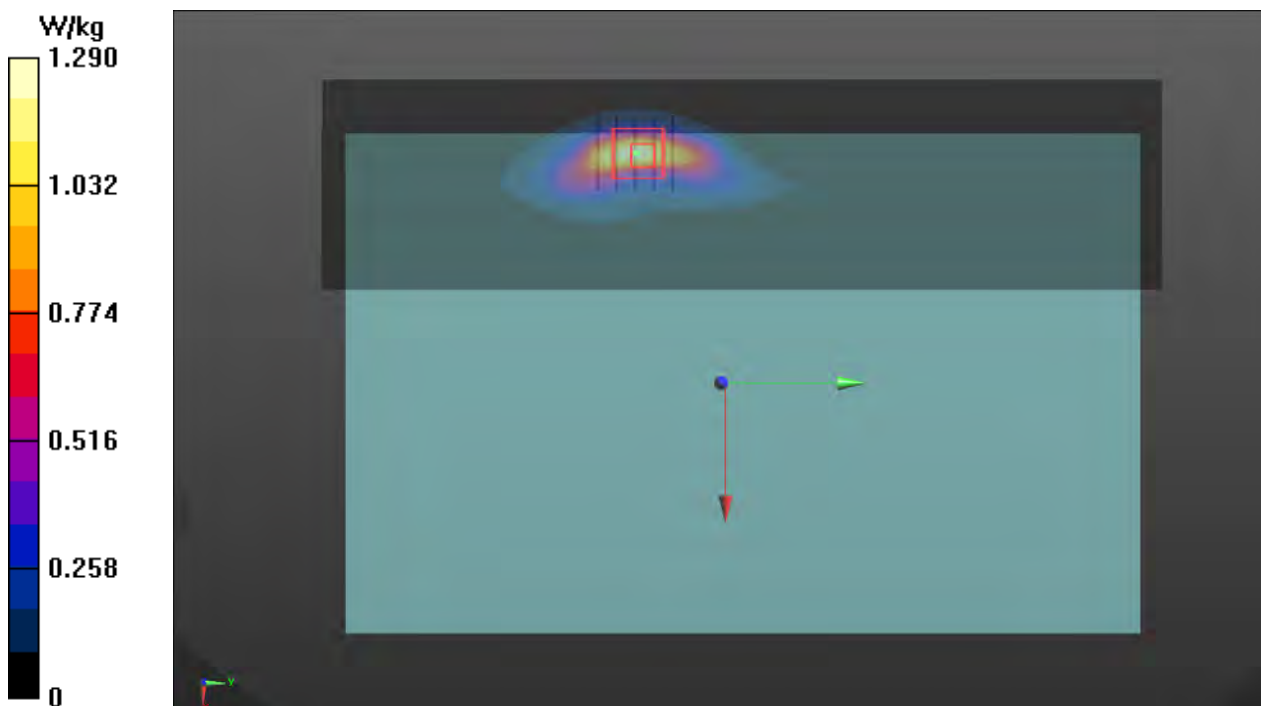
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 793 MHz; Duty Cycle: 1:3.74
Medium: H07T10N1_0215 Medium parameters used: $f = 793$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 42.912$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.29 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 39.57 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.371 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 44.2%
Maximum value of SAR (measured) = 1.44 W/kg



P09 LTE 17_QPSK10M_Rear Face_0mm_Ch23790_1RB_OS0_Sample1_Battery 4 cell_Reduction Power_w

DUT: 191206C11

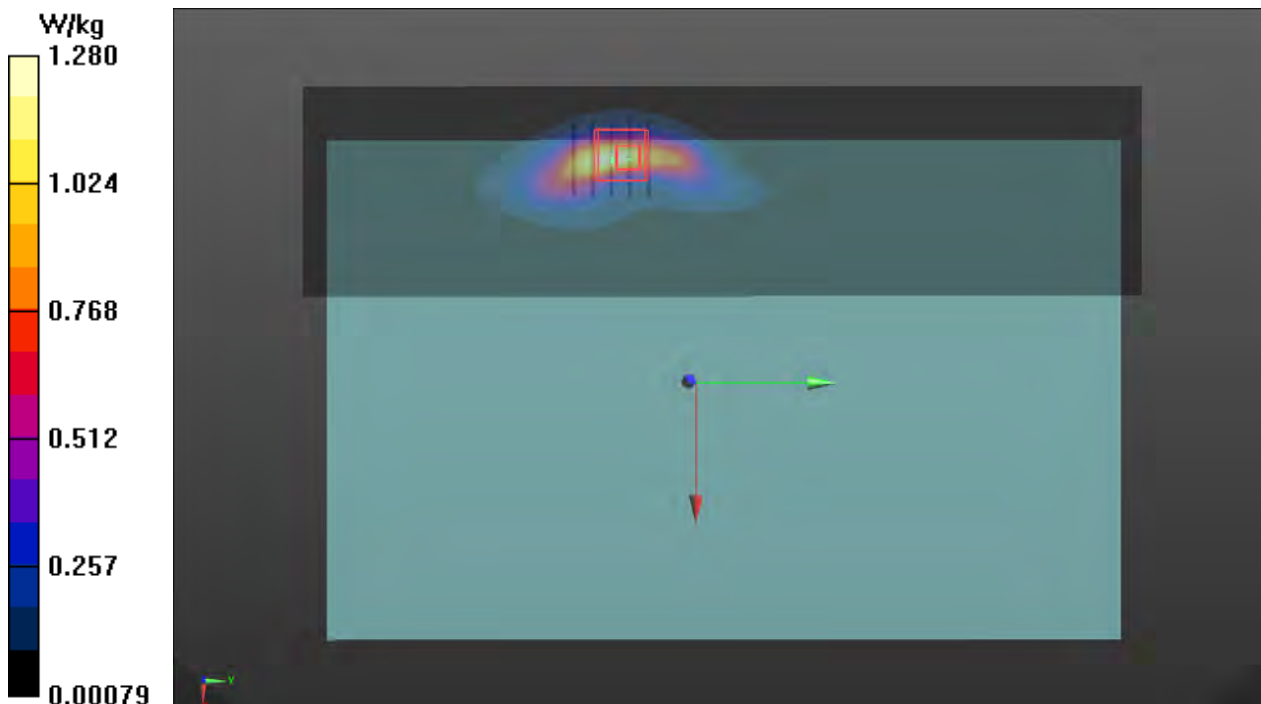
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 710 MHz; Duty Cycle: 1:3.74
Medium: H06T09N1_0215 Medium parameters used: $f = 710$ MHz; $\sigma = 0.85$ S/m; $\epsilon_r = 43.953$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 40.80 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.327 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 42%
Maximum value of SAR (measured) = 1.33 W/kg



P10 LTE 25_QPSK20M_Rear Face_0mm_Ch26590_1RB_OS0_Sample4_Battery 4 cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1905 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0217 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.463$ S/m; $\epsilon_r = 38.793$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

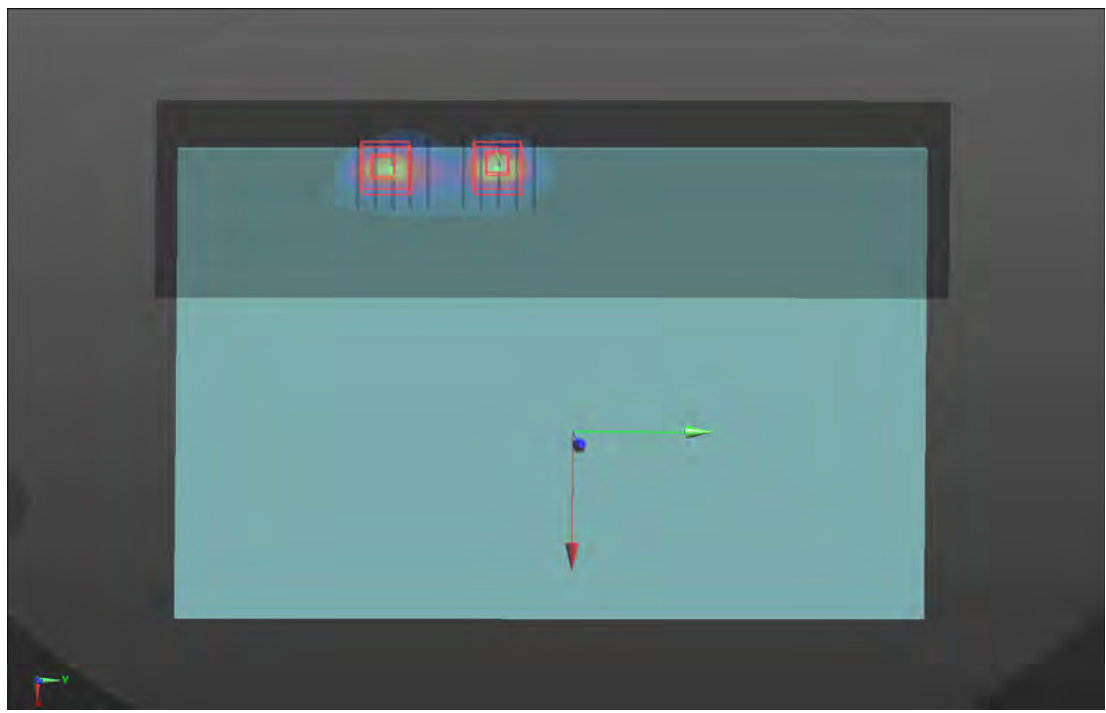
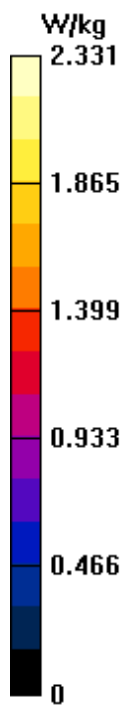
DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.13, 8.13, 8.13); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.33 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 39.24 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.60 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.457 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 49.6%
Maximum value of SAR (measured) = 1.65 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 39.24 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.430 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 39.1%
Maximum value of SAR (measured) = 1.80 W/kg



P11 LTE 26_QPSK15M_Rear Face_0mm_Ch26865_1RB_OS0_Sample4_Battery 4 cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK); Frequency: 831.5 MHz; Duty Cycle: 1:3.74

Medium: H07T10N1_0217 Medium parameters used: $f = 831.5$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 42.68$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.48, 10.48, 10.48); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.28 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 38.64 V/m; Power Drift = 0.12 dB

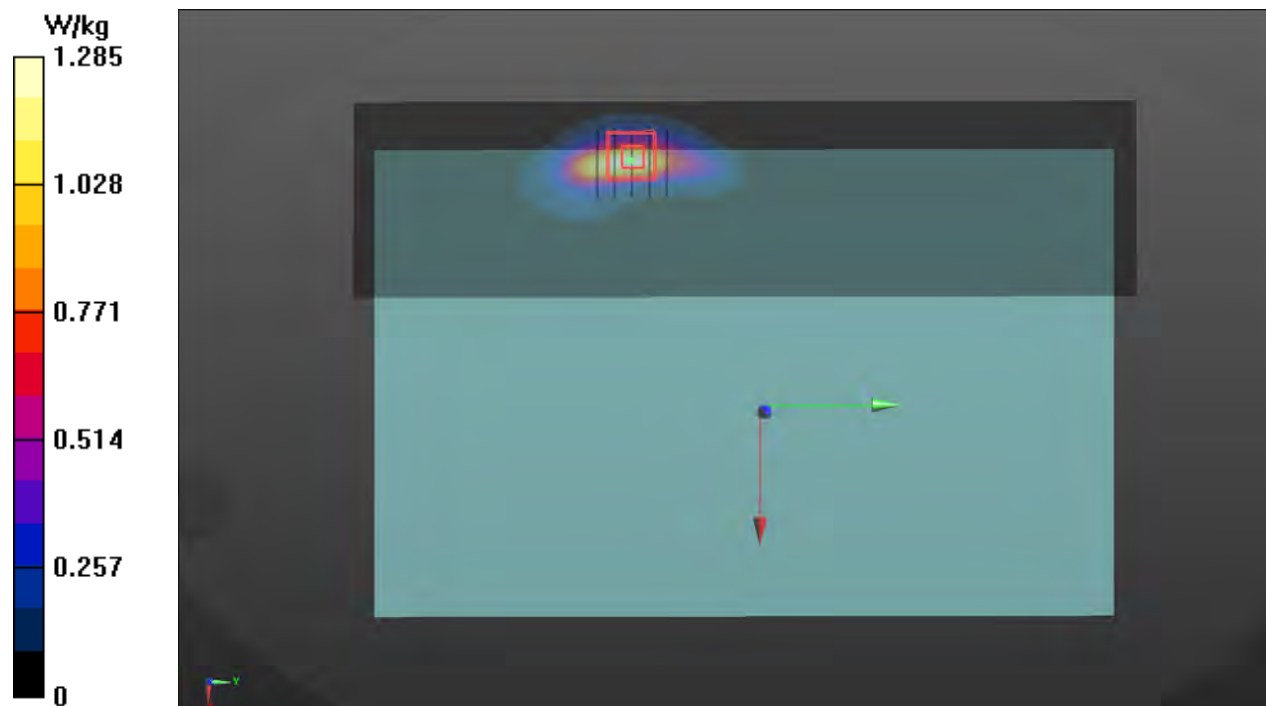
Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.764 W/kg; SAR(10 g) = 0.351 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.4 mm

Ratio of SAR at M2 to SAR at M1 = 41.2%

Maximum value of SAR (measured) = 1.44 W/kg



P12 LTE 30_QPSK10M_Rear Face_0mm_Ch27710_1RB_OS0_Sample2_Battery 4 cell_Reduction Power_w

DUT: 191206C11

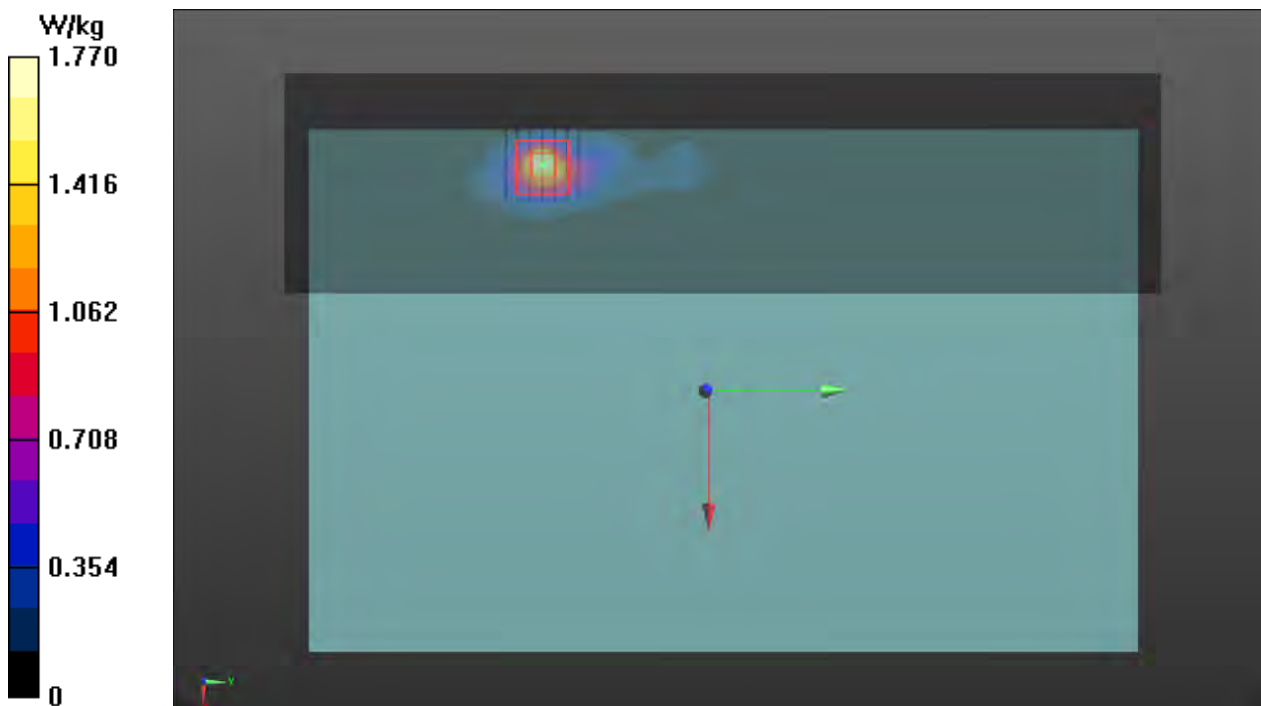
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 2310 MHz; Duty Cycle: 1:3.74
Medium: H19T27N1_0216 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.728$ S/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.75, 7.75, 7.75); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x301x1)**: Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.77 W/kg

- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.05 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.76 W/kg
SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.415 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 38.5%
Maximum value of SAR (measured) = 2.05 W/kg



P14 LTE 41_QPSK20M_Rear Face_0mm_Ch40185_1RB_OS0_Sample2_Battery 4 cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.34

Medium: H19T27N1_0215 Medium parameters used: $f = 2550$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 38.44$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x301x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.49 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.16 V/m; Power Drift = -0.19 dB

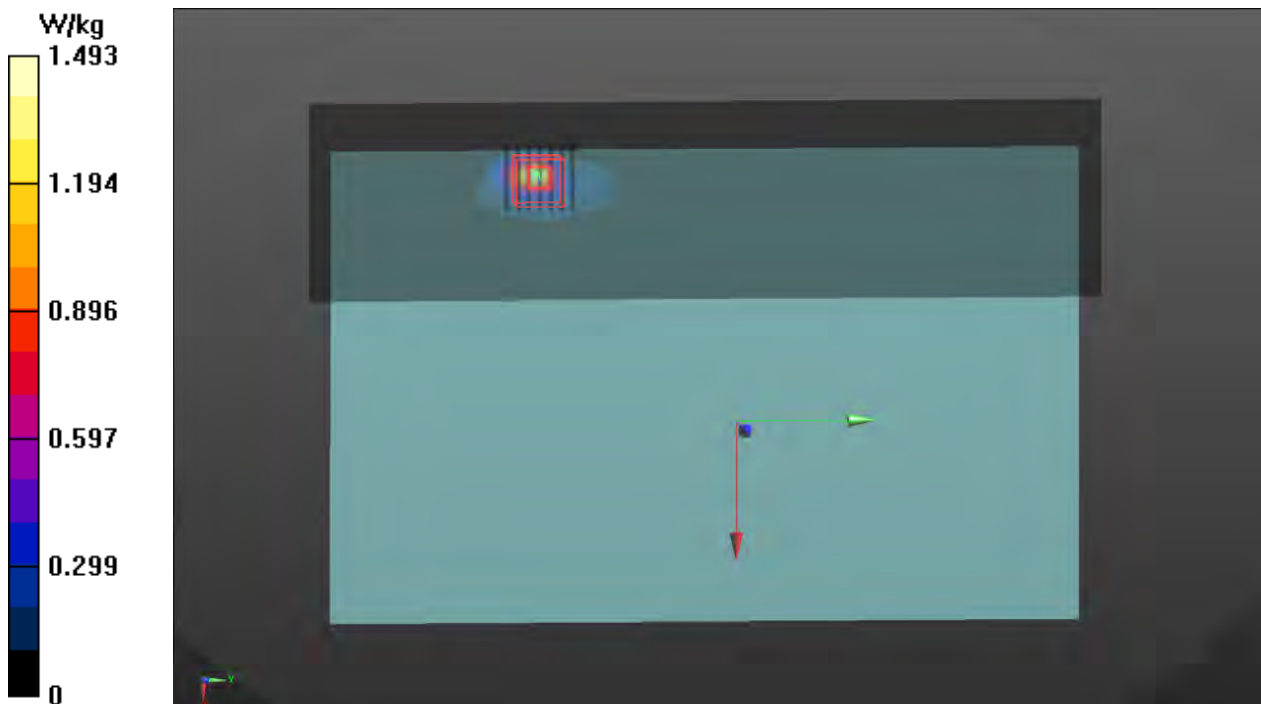
Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.807 W/kg; SAR(10 g) = 0.293 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 37.6%

Maximum value of SAR (measured) = 1.62 W/kg



P16 LTE 66_QPSK20M_Rear Face_0mm_Ch132572_1RB_OS0_Sample1_Battery 4 cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1770 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0216 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.342$ S/m; $\epsilon_r = 38.871$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.23 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.48 V/m; Power Drift = -0.07 dB

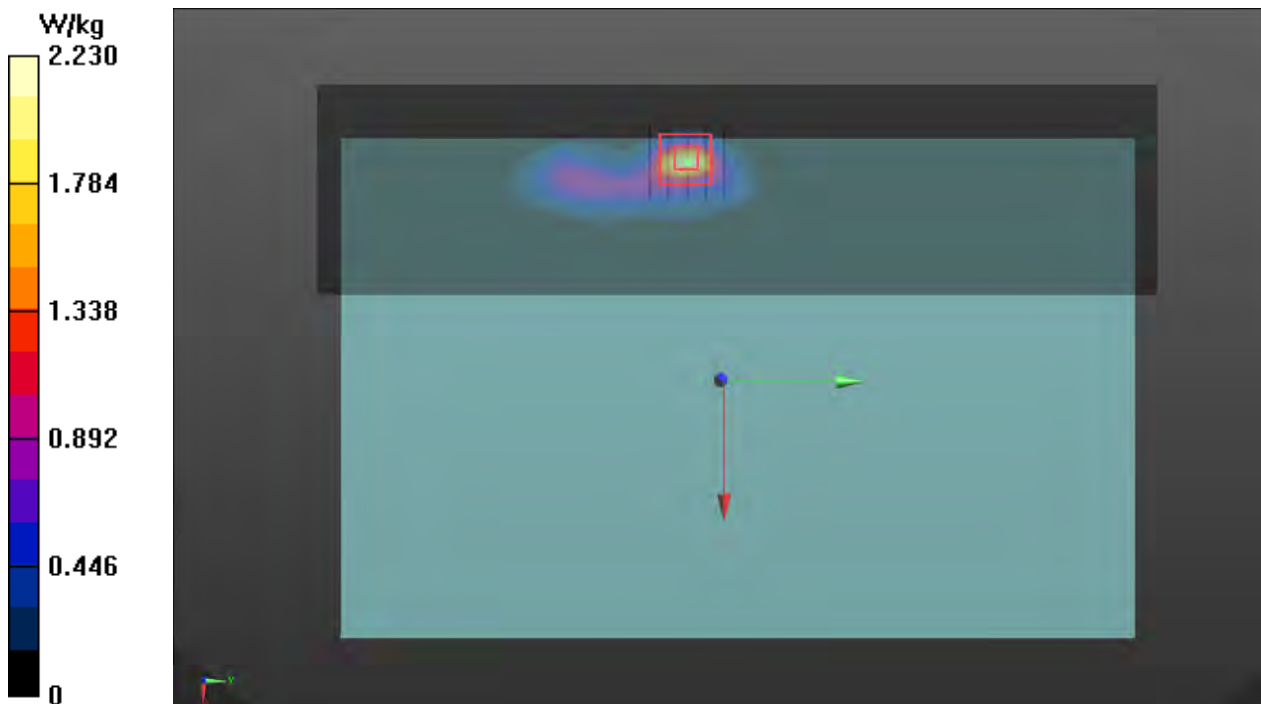
Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.473 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 41.1%

Maximum value of SAR (measured) = 2.50 W/kg



P17 WCDMA II_RMC12.2K_Bottom_0mm_Ch9538_Sample4_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1.95
Medium: H16T20N1_0217 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.466$ S/m; $\epsilon_r = 38.785$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.13, 8.13, 8.13); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.30 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.19 V/m; Power Drift = -0.03 dB

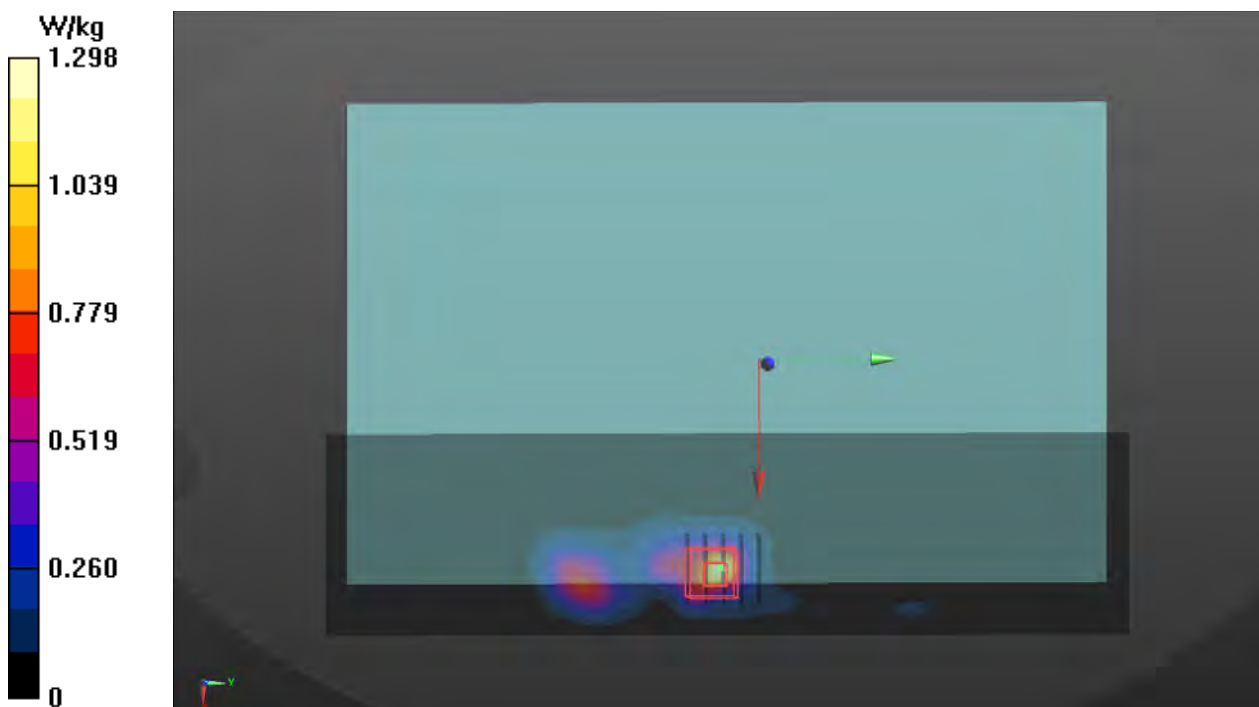
Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.356 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 44.7%

Maximum value of SAR (measured) = 1.33 W/kg



P18 WCDMA IV_RMC12.2K_Bottom_0mm_Ch1513_Sample1_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: UMTS-FDD (WCDMA); Frequency: 1752.6 MHz; Duty Cycle: 1:1.95
Medium: H16T20N1_0217 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 39.366$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.747 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.84 V/m; Power Drift = -0.02 dB

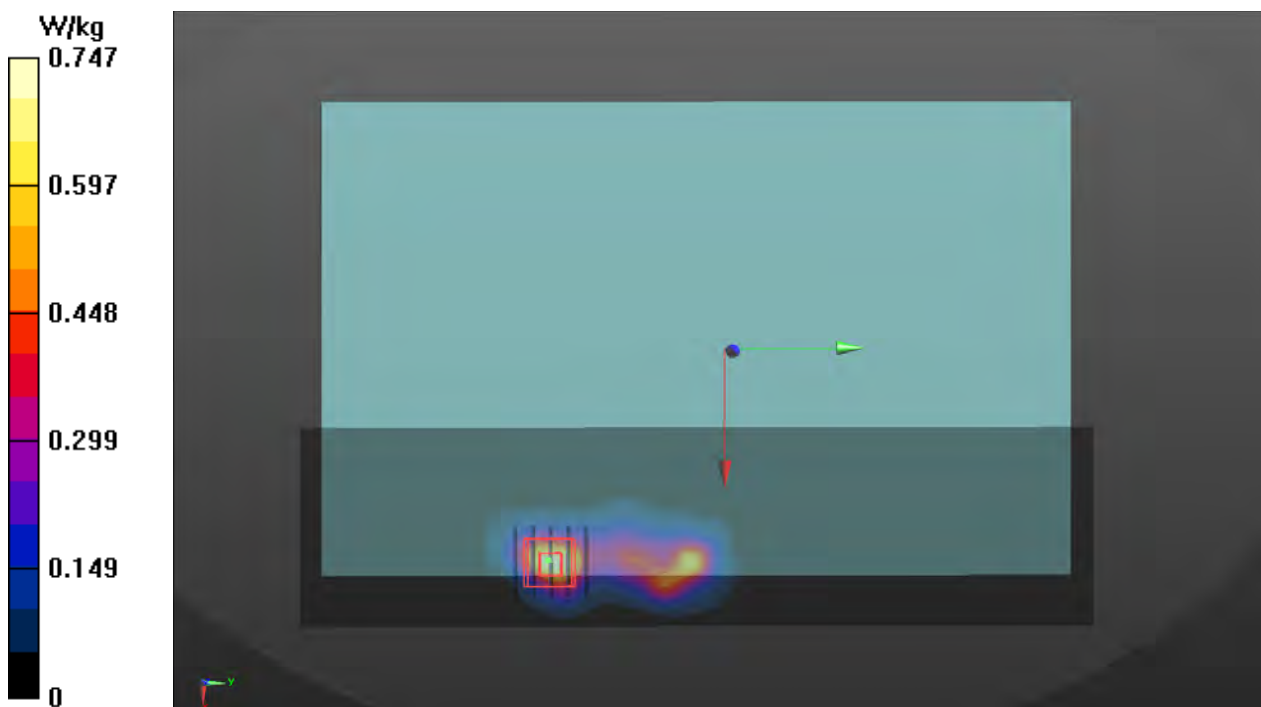
Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.235 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 46.1%

Maximum value of SAR (measured) = 0.831 W/kg



P19 WCDMA V_RMC12.2K_Bottom_0mm_Ch4182_Sample2_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: UMTS-FDD (WCDMA); Frequency: 836.4 MHz; Duty Cycle: 1:1.95
Medium: H07T10N1_0217 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 42.619$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.48, 10.48, 10.48); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.811 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.80 V/m; Power Drift = -0.01 dB

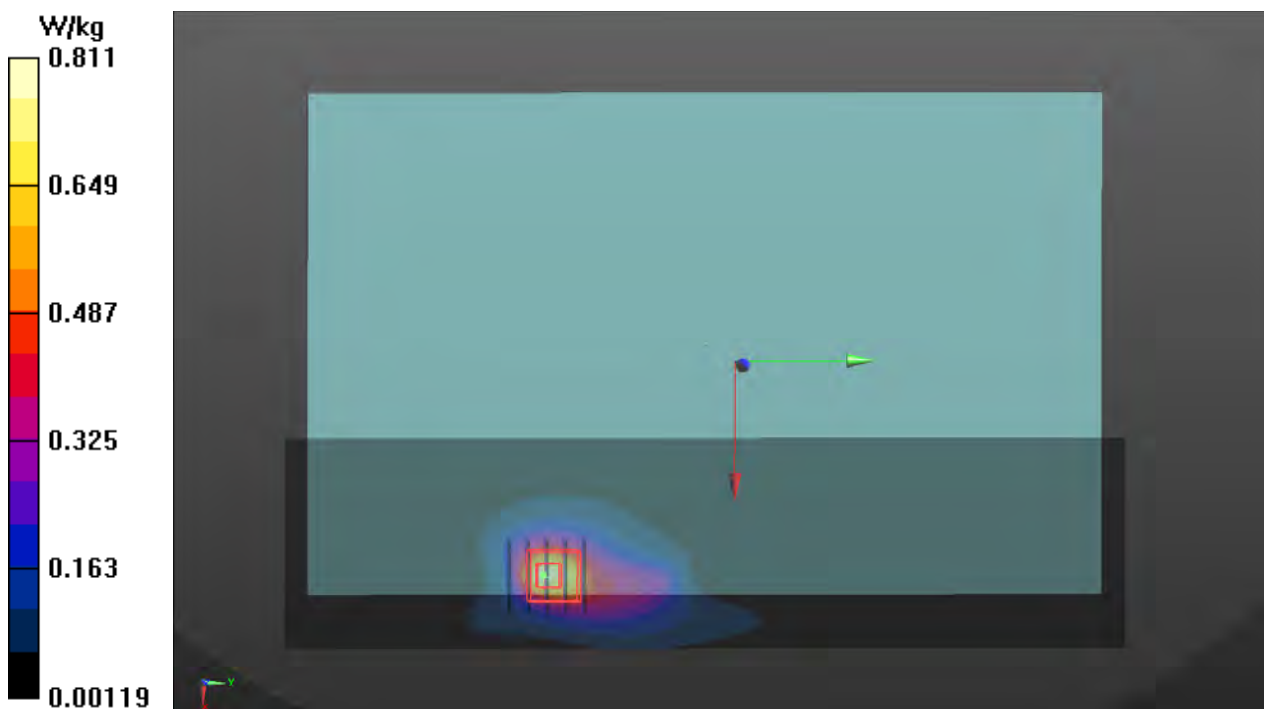
Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.298 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 50.7%

Maximum value of SAR (measured) = 0.910 W/kg



P20 LTE 5_QPSK10M_Bottom_0mm_Ch20600_1RB_OS0_Sample2_Battery 4cell_Reduction Power_w

DUT: 191206C11

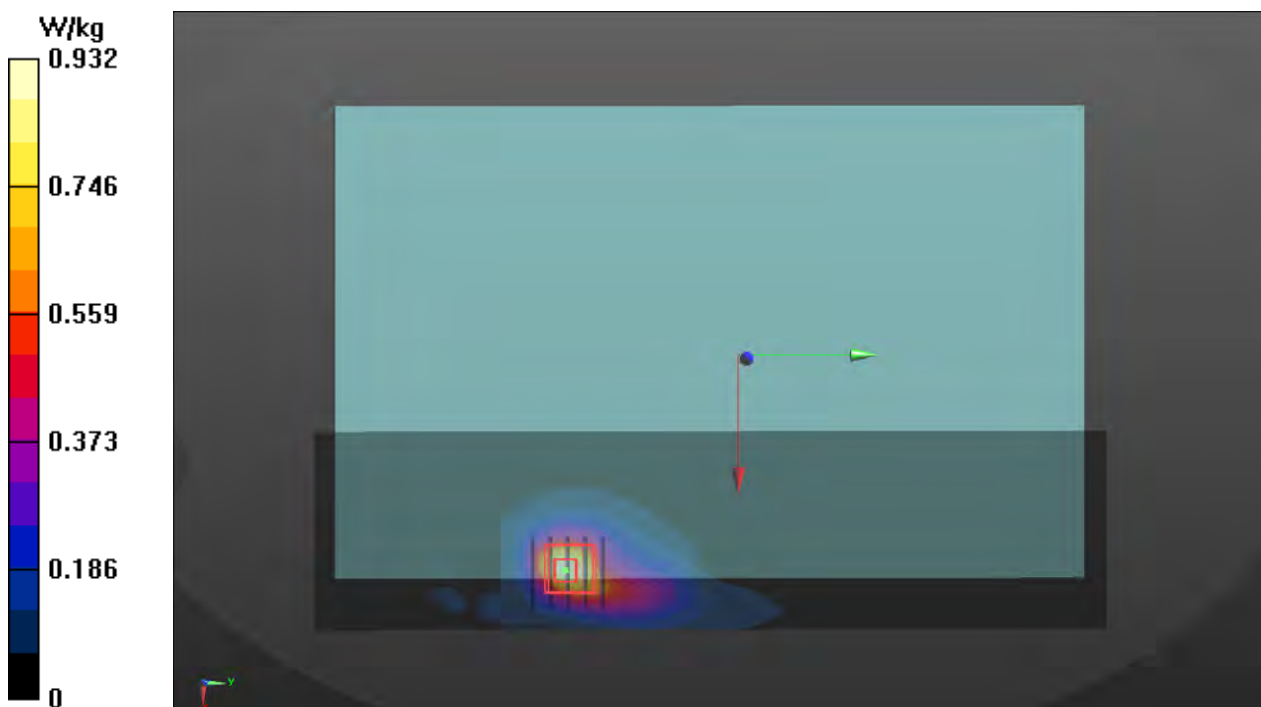
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 844 MHz; Duty Cycle: 1:3.74
Medium: H07T10N1_0220 Medium parameters used: $f = 844$ MHz; $\sigma = 0.909$ S/m; $\epsilon_r = 42.523$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.48, 10.48, 10.48); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.932 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.02 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.346 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 1.06 W/kg



P21 LTE 7_QPSK20M_Bottom_0mm_Ch20850_1RB_OS0_Sample1_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2510 MHz; Duty Cycle: 1:3.74

Medium: H19T27N1_0220 Medium parameters used: $f = 2510$ MHz; $\sigma = 1.947$ S/m; $\epsilon_r = 38.777$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x301x1)**: Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.62 W/kg

- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.19 V/m; Power Drift = -0.04 dB

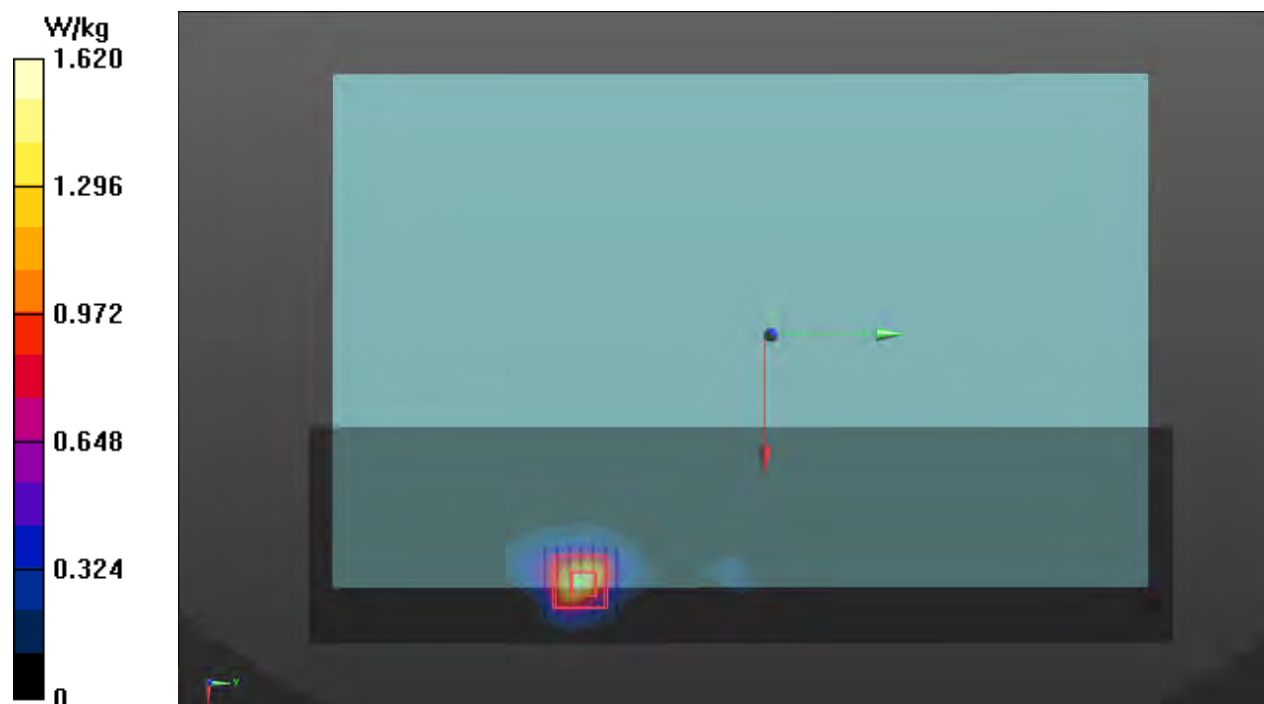
Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 0.950 W/kg; SAR(10 g) = 0.399 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 38.2%

Maximum value of SAR (measured) = 1.78 W/kg



P22 LTE 12_QPSK10M_Bottom_0mm_Ch23060_1RB_OS0_Sample4_Battery 4cell_Reduction Power_w

DUT: 191206C11

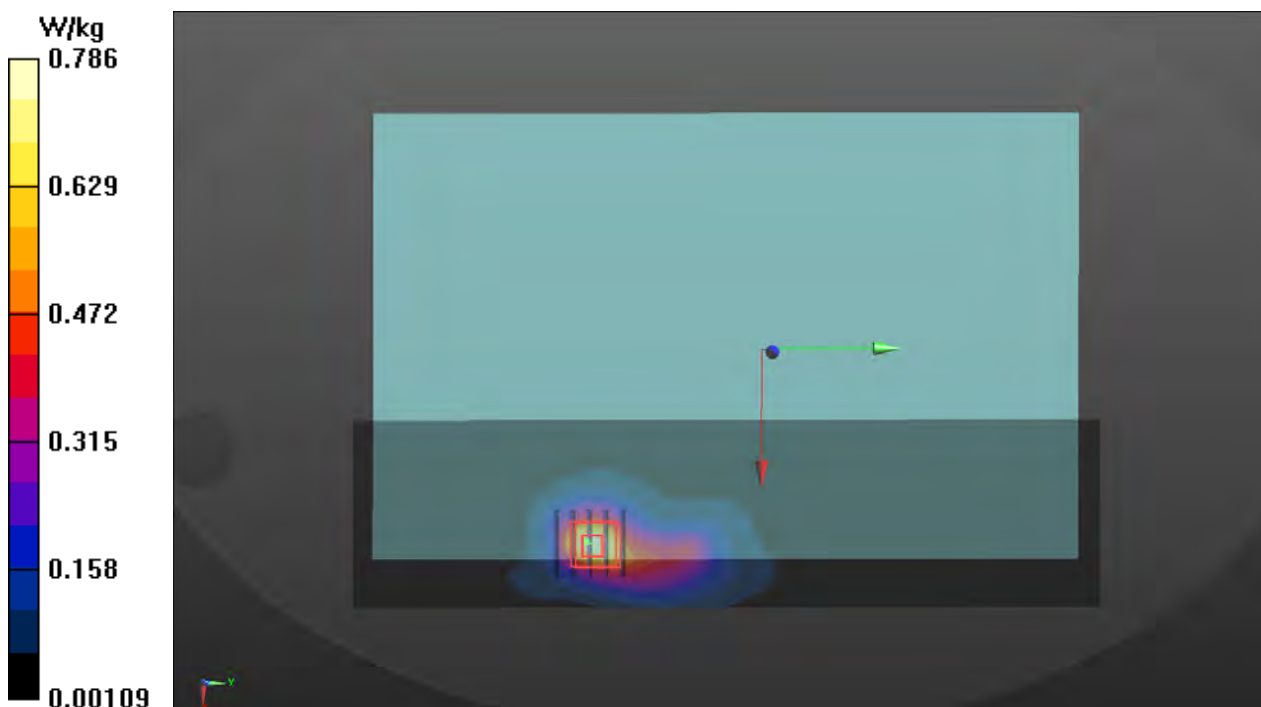
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 704 MHz; Duty Cycle: 1:3.74
Medium: H06T09N1_0221 Medium parameters used: $f = 704$ MHz; $\sigma = 0.855$ S/m; $\epsilon_r = 43.287$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.786 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.87 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.310 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 52.8%
Maximum value of SAR (measured) = 0.858 W/kg



P23 LTE 13_QPSK10M_Bottom_0mm_Ch23230_1RB_OS0_Sample2_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz; Duty Cycle: 1:3.74

Medium: H07T10N1_0220 Medium parameters used: $f = 782$ MHz; $\sigma = 0.851$ S/m; $\epsilon_r = 43.287$; $\rho = 1000$ kg/m³

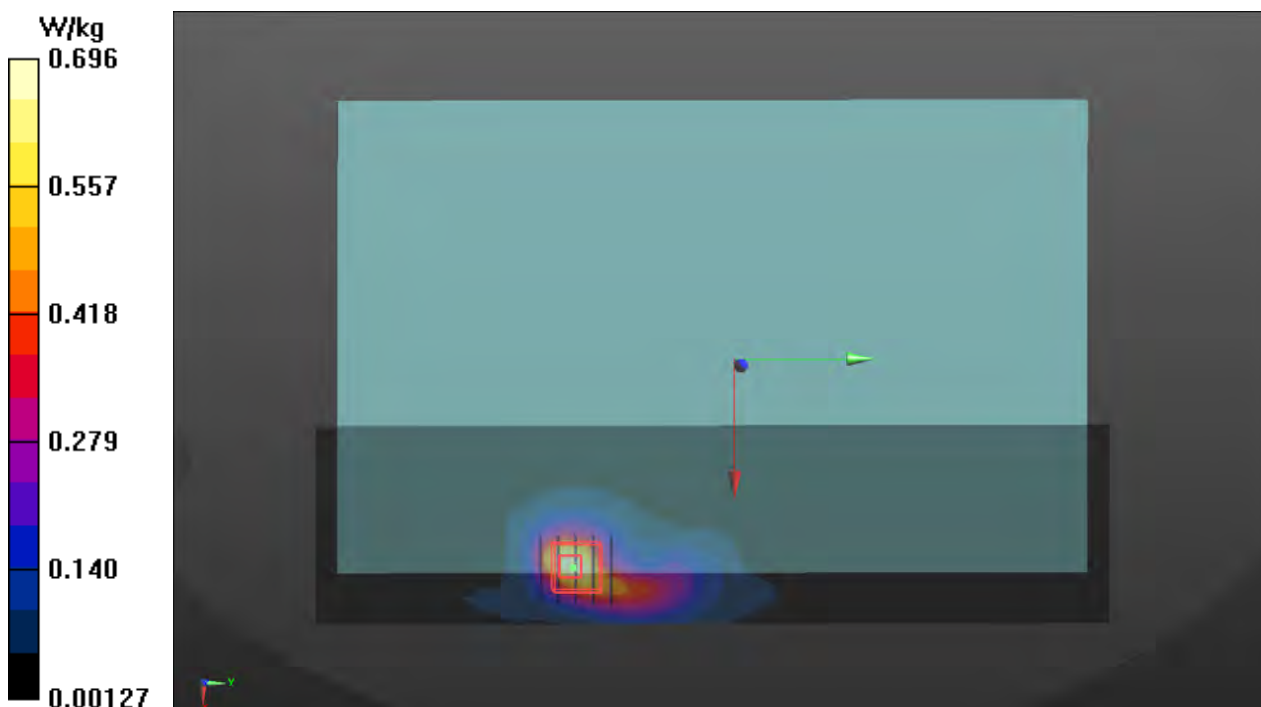
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.696 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.65 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.961 W/kg
SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.260 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.5 mm
Ratio of SAR at M2 to SAR at M1 = 51%
Maximum value of SAR (measured) = 0.775 W/kg



P24 LTE 14_QPSK10M_Bottom_0mm_Ch23330_1RB_OS0_Sample1_Battery 4cell_Reduction Power_w

DUT: 191206C11

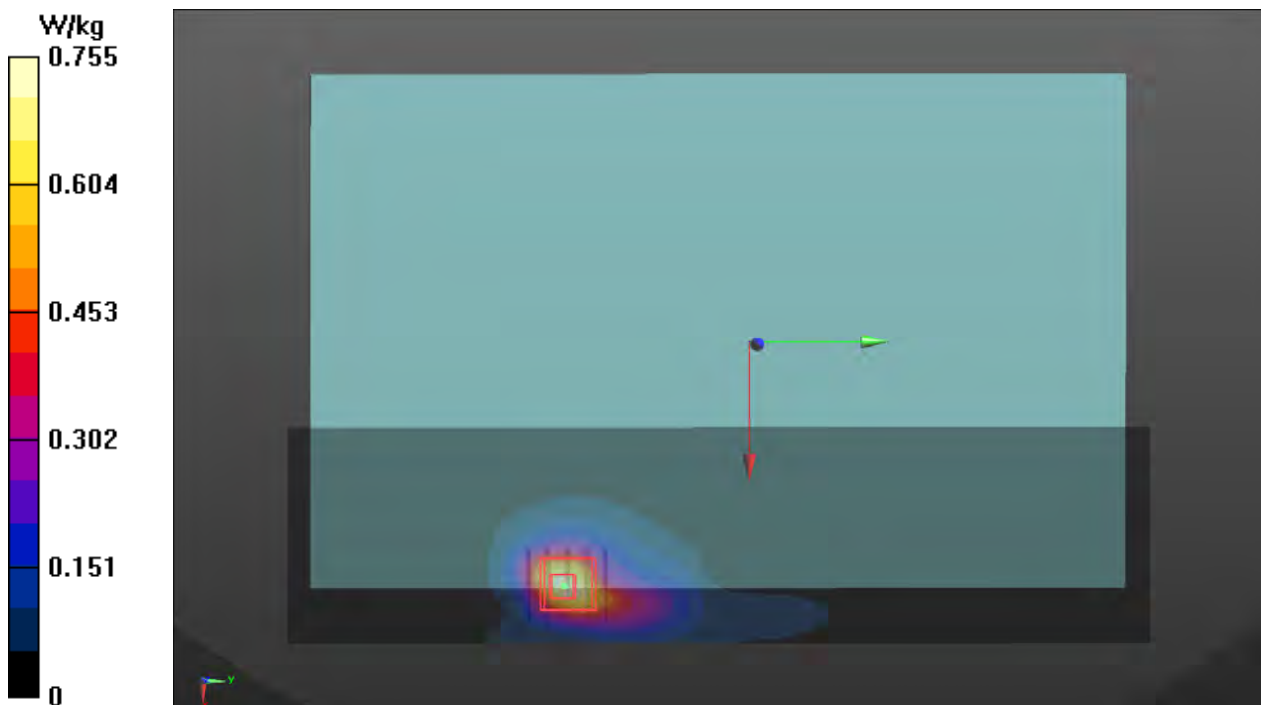
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 793 MHz; Duty Cycle: 1:3.74
Medium: H06T09N1_0220 Medium parameters used: $f = 793$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 42.916$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.755 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.40 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.266 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 51.8%
Maximum value of SAR (measured) = 0.821 W/kg



P25 LTE 17_QPSK10M_Bottom_0mm_Ch23790_1RB_OS0_Sample4_Battery 4cell_Reduction Power_w

DUT: 191206C11

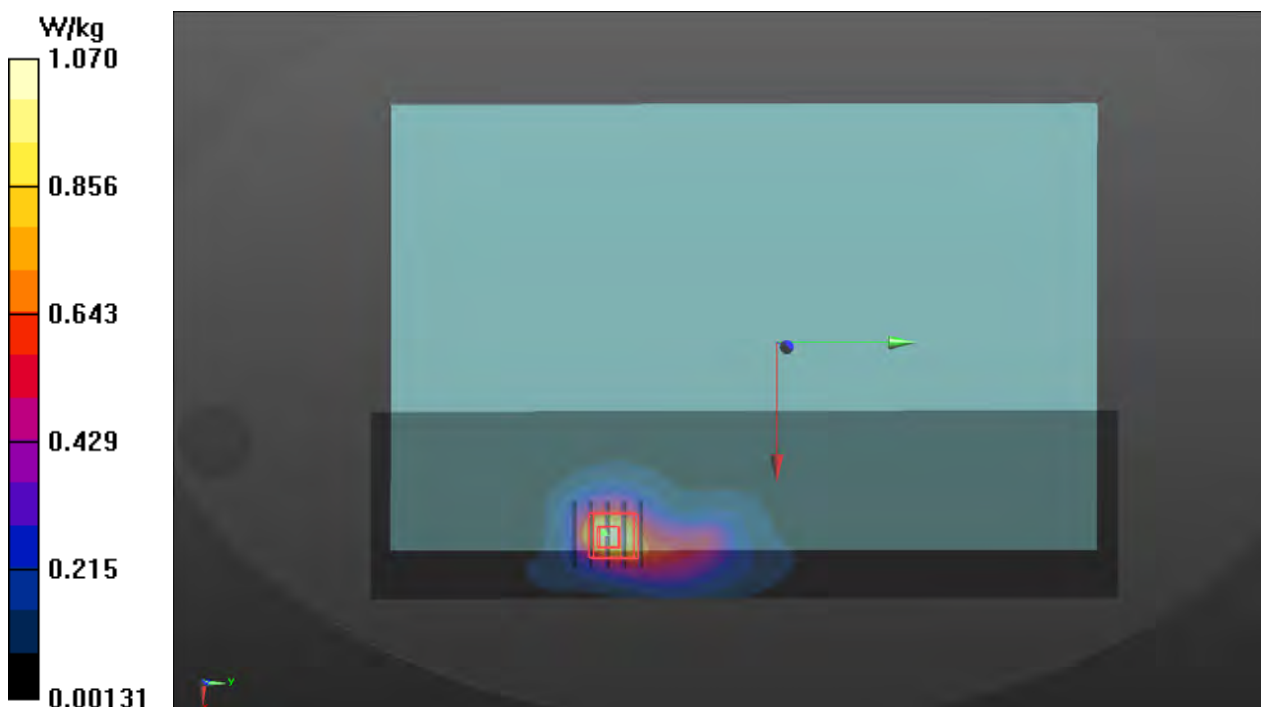
Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 710 MHz; Duty Cycle: 1:3.74
Medium: H06T09N1_0221 Medium parameters used: $f = 710$ MHz; $\sigma = 0.86$ S/m; $\epsilon_r = 43.221$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.77, 10.77, 10.77); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.07 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.49 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.414 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.3 mm
Ratio of SAR at M2 to SAR at M1 = 52.8%
Maximum value of SAR (measured) = 1.16 W/kg



P26 LTE 25_QPSK20M_Bottom_0mm_Ch26590_1RB_OS0_Sample4_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1905 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0221 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.464$ S/m; $\epsilon_r = 39.948$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.13, 8.13, 8.13); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.55 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.07 V/m; Power Drift = -0.03 dB

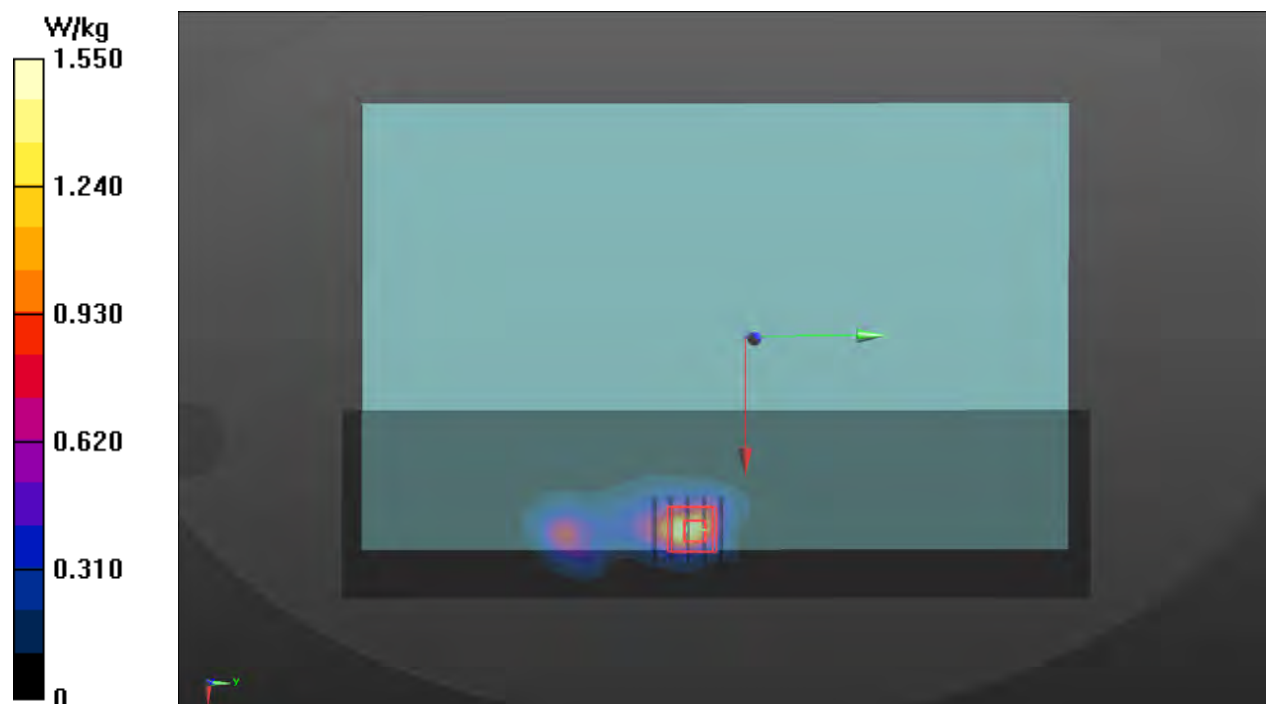
Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.390 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 44.8%

Maximum value of SAR (measured) = 1.47 W/kg



P27 LTE 26_QPSK15M_Bottom_0mm_Ch26765_1RB_OS0_Sample1_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK); Frequency: 821.5 MHz; Duty Cycle: 1:3.74

Medium: H07T10N1_0220 Medium parameters used: $f = 821.5$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 42.807$; $\rho = 1000$ kg/m³

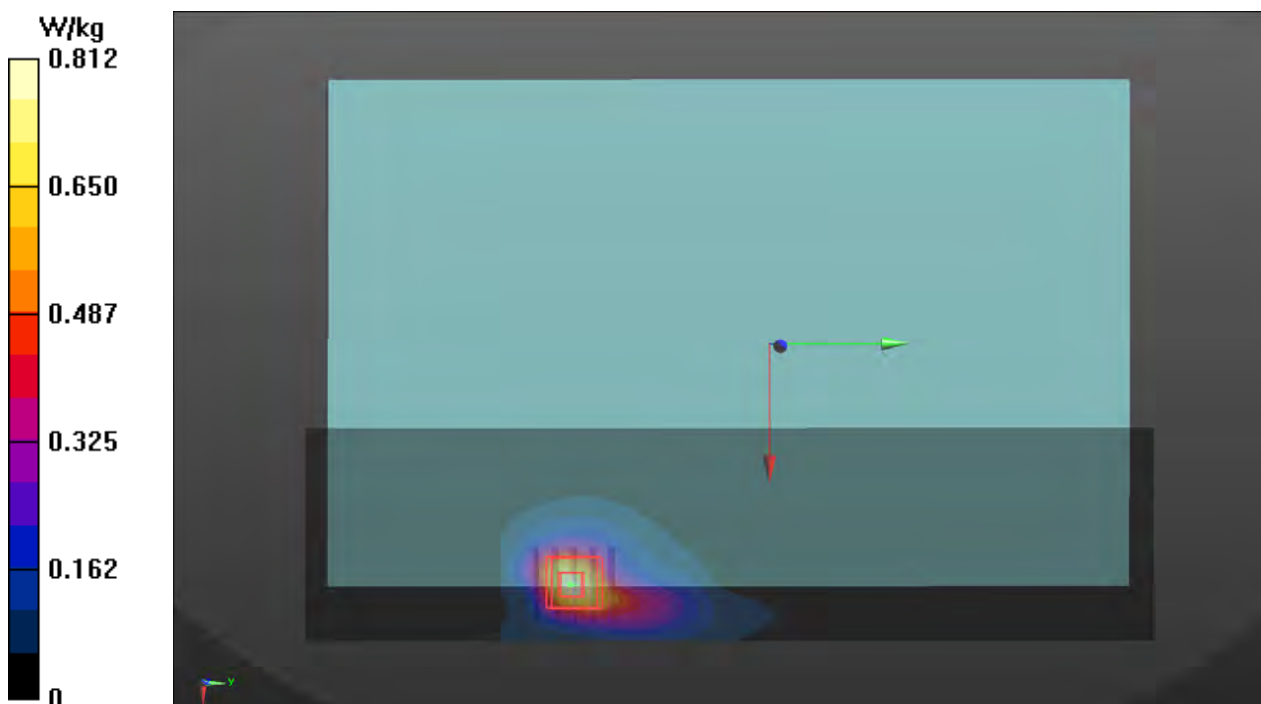
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(10.48, 10.48, 10.48); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.812 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.89 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.295 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 50.9%
Maximum value of SAR (measured) = 0.901 W/kg



P28 LTE 30_QPSK10M_Bottom_0mm_Ch27710_1RB_OS0_Sample1_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 2310 MHz; Duty Cycle: 1:3.74

Medium: H19T27N3_0221 Medium parameters used: $f = 2310$ MHz; $\sigma = 1.752$ S/m; $\epsilon_r = 38.845$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.75, 7.75, 7.75); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x301x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.33 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.88 V/m; Power Drift = -0.03 dB

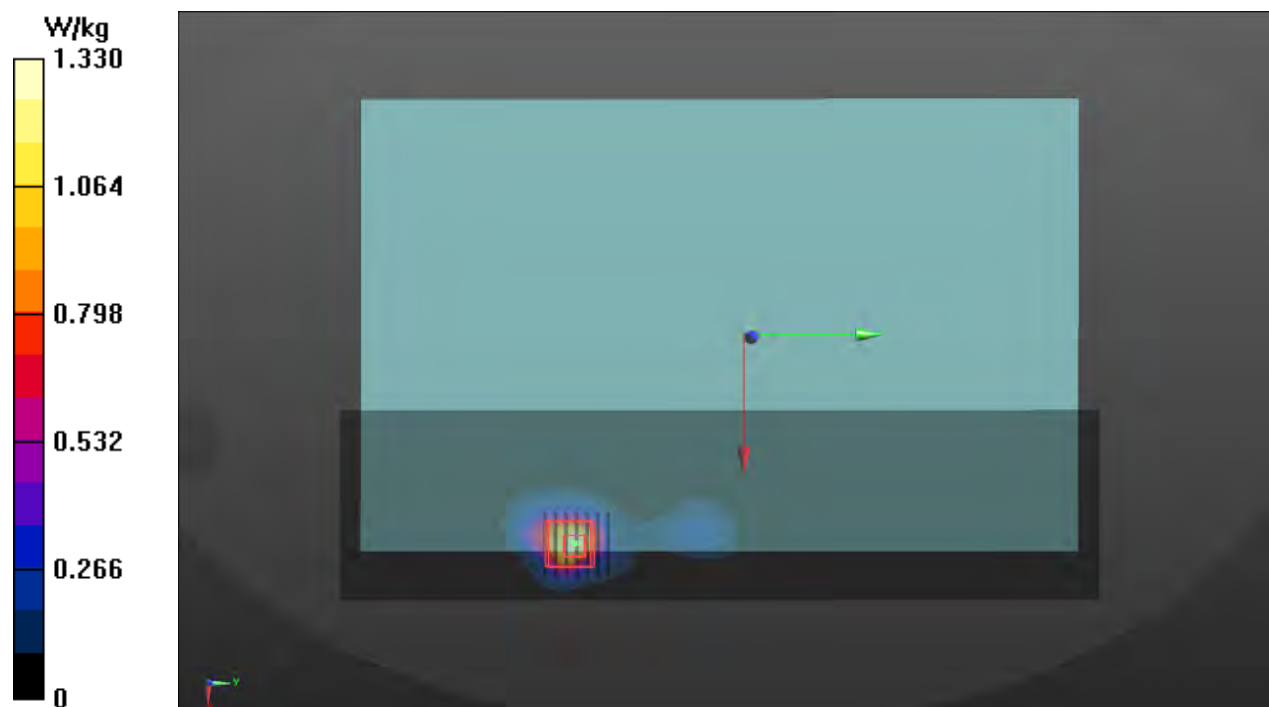
Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.392 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 39.3%

Maximum value of SAR (measured) = 1.67 W/kg



P30 LTE 41_QPSK20M_Bottom_0mm_Ch41490_1RB_OS0_Sample2_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz; Duty Cycle: 1:8.34

Medium: H19T27N1_0220 Medium parameters used: $f = 2680$ MHz; $\sigma = 2.093$ S/m; $\epsilon_r = 37.954$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(7.19, 7.19, 7.19); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x301x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.00 V/m; Power Drift = -0.10 dB

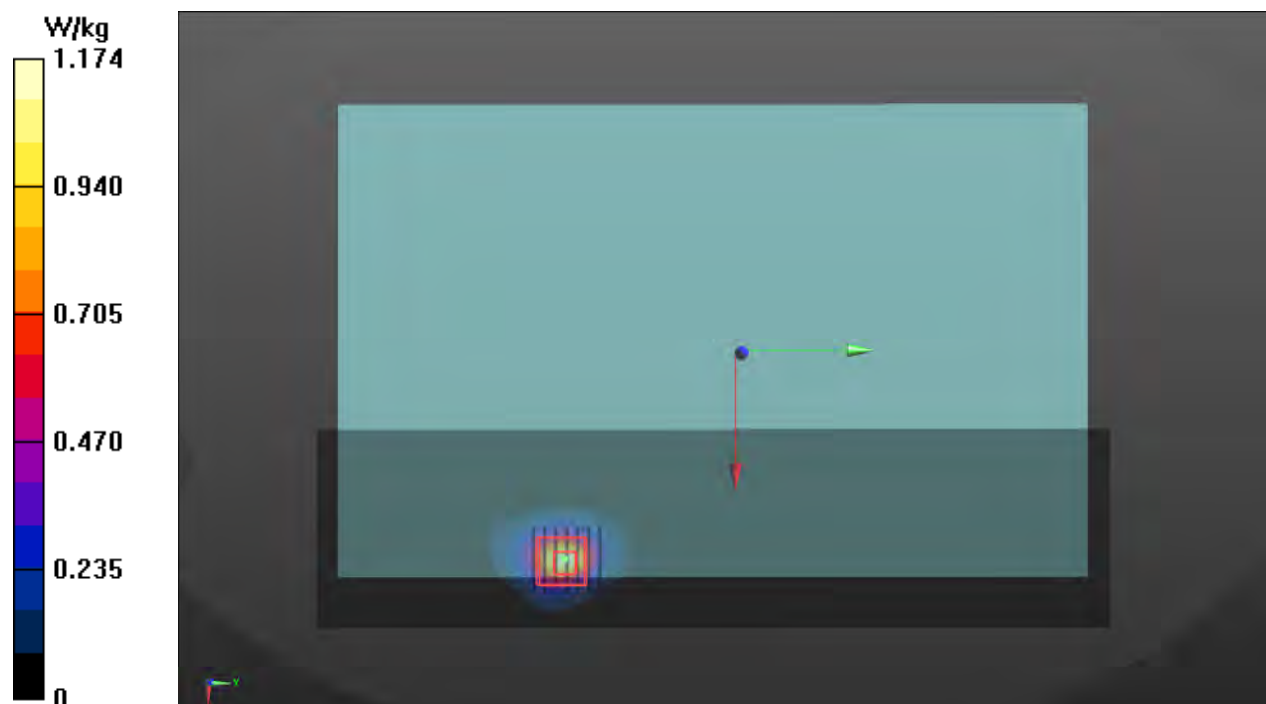
Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 0.764 W/kg; SAR(10 g) = 0.311 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 37.2%

Maximum value of SAR (measured) = 1.48 W/kg



P32 LTE 66_QPSK20M_Bottom_0mm_Ch132572_1RB_OS0_Sample1_Battery 4cell_Reduction Power_w

DUT: 191206C11

Communication System: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1770 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0220 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.339$ S/m; $\epsilon_r = 40.192$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7537; ConvF(8.44, 8.44, 8.44); Calibrated: 2019/06/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2019/06/07
- Phantom: ELI Phantom_1245; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x241x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.46 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.400 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9.7 mm
Ratio of SAR at M2 to SAR at M1 = 43%
Maximum value of SAR (measured) = 1.54 W/kg

