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FCC SAR Test Report

Report No. : W7L-231218W001SA03

Applicant : Juniper Systems, Inc.

Address : 1132 W 1700 N Logan, UT 84321 USA

Manufacturer : Juniper Systems, Inc.

Address : 1132 W 1700 N Logan, UT 84321 USA

Product : Archer4

FCC ID : VSFAR4

Brand : Juniper Systems

Model No. : AR4

Standards : FCC 47 CFR Part 2 (2.1093) / IEEE C95.1:1992 / IEEE 1528:2013
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Issued By : Huarui 7layers High Technology (Suzhou) Co., Ltd.

Address : Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City,
Anhui Province China

CERTIFICATION: The above equipment has been tested by Huarui 7layers High Technology (Suzhou) Co., Ltd., 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 A2LA or any government agencies.

Prepared By :

Chang Gao

Chang Gao / Engineer

Approved By :

Sam Fei Bo

Peibo Sun/ Manager

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Release Control Record

Report No.	Reason for Change	Date Issued
W7L-231218W001SA03	Initial release	May. 24, 2024



1. Summary of Maximum SAR Value

Equipment Class	Mode	Highest Reported Head SAR _{1g} (W/kg)	Highest Reported Body-worn SAR _{1g} (1.0 cm Gap) (W/kg)	Highest Reported Hotspot SAR _{1g} (1.0 cm Gap) (W/kg)	Highest Reported Extremity SAR _{10g} (0 cm Gap) (W/kg)
PCE	LTE Band 2	1.00	0.63	0.63	N/A
	LTE Band 5	0.29	0.56	0.56	N/A
	LTE Band 7	0.99	0.63	0.63	N/A
	LTE Band 12	0.18	0.26	0.26	N/A
	LTE Band 13	0.23	0.43	0.43	N/A
	LTE Band 14	0.23	0.43	0.43	N/A
	LTE Band 25	0.49	0.51	0.51	N/A
	LTE Band 26	0.29	0.54	0.54	N/A
	LTE Band 30	1.03	0.68	0.68	N/A
	LTE Band 41 / 38	0.32	0.54	0.54	N/A
	LTE Band 66 / 4	0.82	0.55	0.55	N/A
	LTE Band 71	0.19	0.22	0.22	N/A
	NR Band n2	0.93	0.74	0.74	N/A
	NR Band n5	0.18	0.38	0.38	N/A
	NR Band n25	0.34	0.70	0.70	N/A
	NR Band n41	1.12	0.53	0.53	N/A
	NR Band n66	0.85	0.66	0.66	N/A
	NR Band n71	0.14	0.23	0.23	N/A
	NR Band n77 / n78	0.95	0.64	0.67	N/A
DTS	2.4G WLAN	0.34	0.08	0.08	N/A
NII	5G WLAN	0.37	0.35	N/A	0.60
DSS	Bluetooth	0.02	0.05	0.05	N/A
DXX	NFC	N/A	N/A	N/A	N/A

Highest Simultaneous Transmission SAR _{1g}	PCE (W/kg)	DTS (W/kg)	NII (W/kg)	DSS (W/kg)
	1.50	1.49	1.50	1.41

Note:

- The SAR limit (Head & Body: SAR_{1g} 1.6 W/kg, 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.

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2. Description of Equipment Under Test

EUT Type	Archer4
FCC ID	VSFAR4
Brand Name	Juniper Systems
Model Name	AR4
IMEI Code	Sample 1: 354346330018176 / 354346330018170 Sample 2: 354346330018143 / 354346330018147
HW Version	DVT2
SW Version	JH_U_000.00.040.00_USERDEBUG_PCAT
Tx Frequency Bands (Unit: MHz)	LTE Band 2 : 1850 ~ 1910 LTE Band 4 : 1710 ~ 1755 LTE Band 5 : 824 ~ 849 LTE Band 7 : 2500 ~ 2570 LTE Band 12 : 699 ~ 716 LTE Band 13 : 777 ~ 787 LTE Band 14 : 788 ~ 798 LTE Band 25 : 1850 ~ 1915 LTE Band 26 : 814 ~ 849 LTE Band 30 : 2305 ~ 2315 LTE Band 38 : 2570 ~ 2620 LTE Band 41 : 2496 ~ 2690 LTE Band 66 : 1710 ~ 1780 LTE Band 71 : 663 ~ 698 NR Band n2 : 1850 ~ 1910 NR Band n5 : 824 ~ 849 NR Band n25 : 1850 ~ 1915 NR Band n41 : 2496 ~ 2690 NR Band n66 : 1710 ~ 1780 NR Band n71 : 663 ~ 698 NR Band n77 : 3450 ~ 3550, 3700 ~ 3980 NR Band n78 : 3450 ~ 3550 WLAN : 2412 ~ 2462, 5180 ~ 5240, 5260 ~ 5320, 5500 ~ 5700, 5745 ~ 5825, 5925 ~ 7125 Bluetooth : 2402 ~ 2480 NFC : 13.56
Uplink Modulations	LTE : QPSK, 16QAM, 64QAM, 256QAM NR : Pi/2 BPSK (DFT-s-OFDM), QPSK (DFT-s-OFDM, CP-OFDM), 16QAM (DFT-s-OFDM, CP-OFDM), 64QAM (DFT-s-OFDM, CP-OFDM), 256QAM DFT-s-OFDM, CP-OFDM) 802.11b : DSSS 802.11a/g/n/ac : OFDM 802.11ax : OFDMA Bluetooth : GFSK, $\pi/4$ -DQPSK, 8-DPSK NFC : ASK
Subcarrier Spacing	15 kHz (FDD) / 30 kHz (TDD)
Uplink Transmission Duty Cycle	For 5G NR TDD bands test, using FTM (Factory Test Mode) with default 50% duty cycle transmission to perform evaluation.
Support UL MIMO Band	SA mode: NR n41/77/78
LTE Anchor Band for NR Band n2	LTE Band 5/12/13/14/30/66/71
LTE Anchor Band for NR Band n5	LTE Band 2/30/66
LTE Anchor Band for NR Band n41	LTE Band 66
LTE Anchor Band for NR Band n66	LTE Band 2/5/12/13/14/30/71
LTE Anchor Band for NR Band n71	LTE Band 2/66
LTE Anchor Band for NR Band n77	LTE Band 2/5/13/14/66
Maximum Tune-up Conducted Power (Unit: dBm)	Please refer to section 4.5.1 of this report.
Antenna Type	WLAN / BT: PIFA Antenna WWAN: Fixed Internal Antenna NFC : Loop Antenna
EUT Stage	Production Unit

Note:



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1. 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.
2. The antenna 0 of this device supports both LTE Band 2/4/38 and LTE Band 25/66/41. Since the supported frequency span for LTE Band 2/4/38 falls completely within the LTE Band 25/66/41, they have the same target power, and share the same transmission path, therefore SAR was only assessed for LTE Band 25/66/41.
3. The antenna 0 of this device supports both NR Band n2 and NR Band n25. Since the supported frequency span for NR Band n2 falls completely within the NR Band n25, they have the same target power, and share the same transmission path, therefore SAR was only assessed for NR Band n25.
4. The antenna 1/7 of this device supports both NR Band n78 and NR Band n77. Since the supported frequency span for NR Band n78 falls completely within the NR Band n77, they have the same target power, and share the same transmission path, therefore SAR was only assessed for NR Band n77.
5. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
6. For WWAN Antenna, when the audio is actively routed through the earpiece receiver on head exposure condition, the proximity sensor detects near the ear, and the LCD display is off, power reduction will be implemented immediately. Proximity sensor triggering distances please refer to section 4.1 of this report.
7. For WWAN Antenna, when the receiver is off and the usage scenario under body exposure conditions, power reduction will be implemented immediately.
8. There are two Samples, the difference between them is the battery and camera, the others are the same. According to the differences, Sample 1 was chosen to perform full testing and Sample 2 verified the worst case of Sample 1.



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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:

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

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

SAR measurement can be related to the electrical field in the tissue by

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

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 DASY System

DASY 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 DASY5 software defined. The DASY 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.

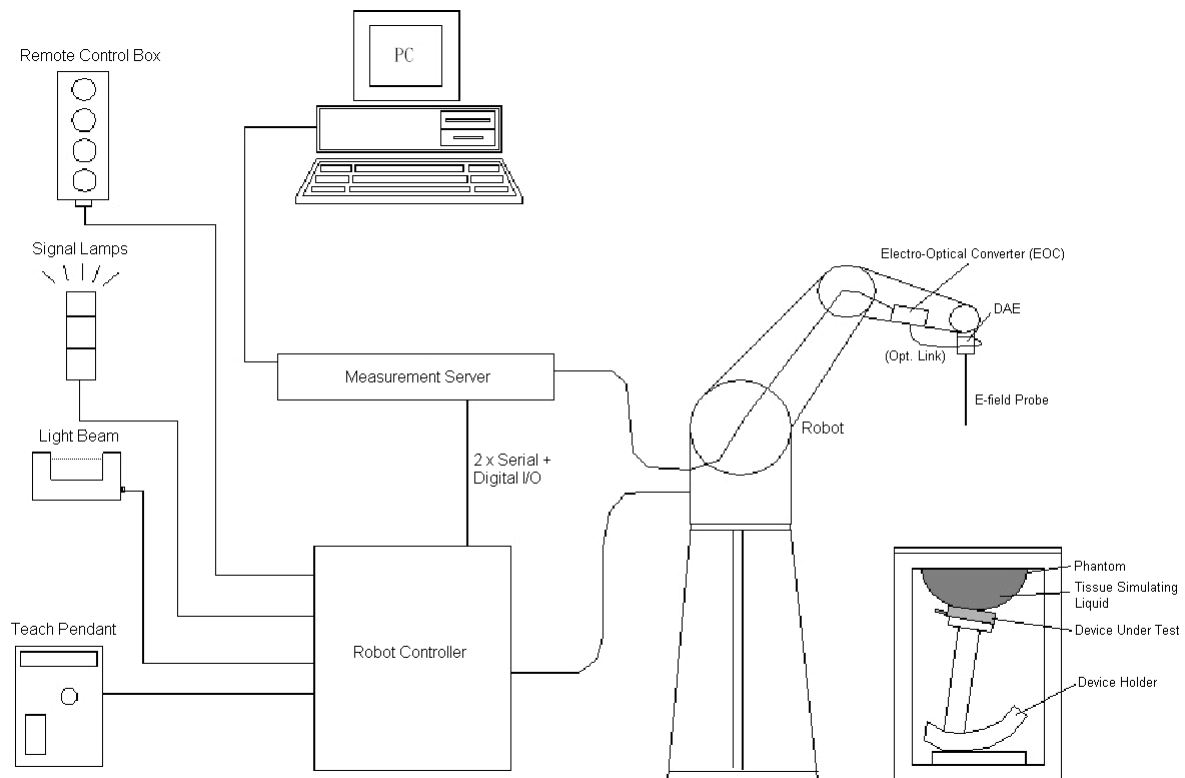


Fig-3.1 DASY System Setup

3.2.1 Robot

The DASY system uses the high precision robots from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: 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 DASY6

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	10 MHz to 6 GHz Linearity: ± 0.2 dB	
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (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	

Model	ES3DV3	
Construction	Symmetrical design with triangular core. Interleaved sensors. Built-in shielding against static charges. PEEK enclosure material (resistant to organic solvents, e.g., DGBE).	
Frequency	10 MHz to 4 GHz Linearity: ± 0.2 dB	
Directivity	± 0.2 dB in HSL (rotation around probe axis) ± 0.3 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	5 μ W/g to 100 mW/g Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 3.9 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.0 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	Twin SAM	
Construction	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 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, glass fiber 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	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. 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, glass fiber 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	Mounting Device	
Construction	In combination with the Twin SAM Phantom or ELI4, the Mounting Device enables the rotation of the mounted transmitter device in spherical coordinates. Rotation point is the ear opening point. Transmitter devices can be easily and accurately positioned according to IEC, IEEE, FCC or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).	
Material	POM	

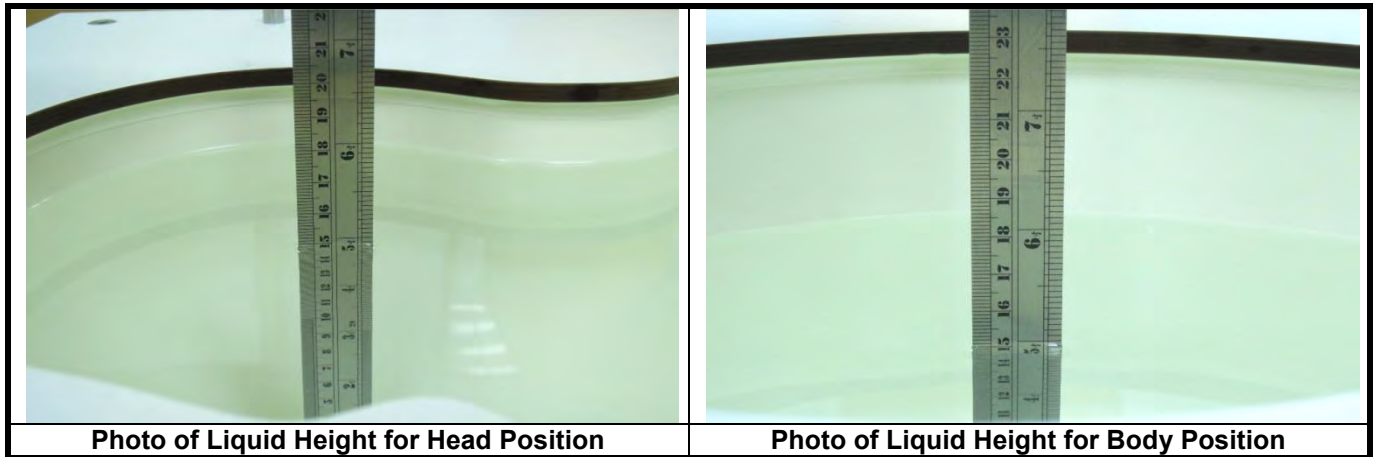
Model	Laptop Extensions Kit	
Construction	Simple but effective and easy-to-use extension for Mounting Device that facilitates the testing of larger devices according to IEC 62209-2 (e.g., laptops, cameras, etc.). It is lightweight and fits easily on the upper part of the Mounting Device in place of the phone positioner.	
Material	POM, Acrylic glass, 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 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 5% are listed in Table-3.1.



The dielectric properties of the head tissue simulating liquids are defined in IEEE 1528, and KDB 865664 D01 Appendix A. For the body tissue simulating liquids, the dielectric properties are defined in KDB 865664 D01 Appendix A. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using a dielectric assessment kit and a network analyzer.

Table-3.1 Targets of Tissue Simulating Liquid

Frequency (MHz)	Target Permittivity	Range of $\pm 5\%$	Target Conductivity	Range of $\pm 5\%$
For Head				
750	41.9	39.8 ~ 44.0	0.89	0.85 ~ 0.93
835	41.5	39.4 ~ 43.6	0.90	0.86 ~ 0.95
900	41.5	39.4 ~ 43.6	0.97	0.92 ~ 1.02
1450	40.5	38.5 ~ 42.5	1.20	1.14 ~ 1.26
1640	40.3	38.3 ~ 42.3	1.29	1.23 ~ 1.35
1750	40.1	38.1 ~ 42.1	1.37	1.30 ~ 1.44
1800	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
1900	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2000	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47
2300	39.5	37.5 ~ 41.5	1.67	1.59 ~ 1.75
2450	39.2	37.2 ~ 41.2	1.80	1.71 ~ 1.89
2600	39.0	37.1 ~ 41.0	1.96	1.86 ~ 2.06
3500	37.9	36.0 ~ 39.8	2.91	2.76 ~ 3.06
5200	36.0	34.2 ~ 37.8	4.66	4.43 ~ 4.89
5300	35.9	34.1 ~ 37.7	4.76	4.52 ~ 5.00
5500	35.6	33.8 ~ 37.4	4.96	4.71 ~ 5.21
5600	35.5	33.7 ~ 37.3	5.07	4.82 ~ 5.32
5800	35.3	33.5 ~ 37.1	5.27	5.01 ~ 5.53

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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	-	28.0	-	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.

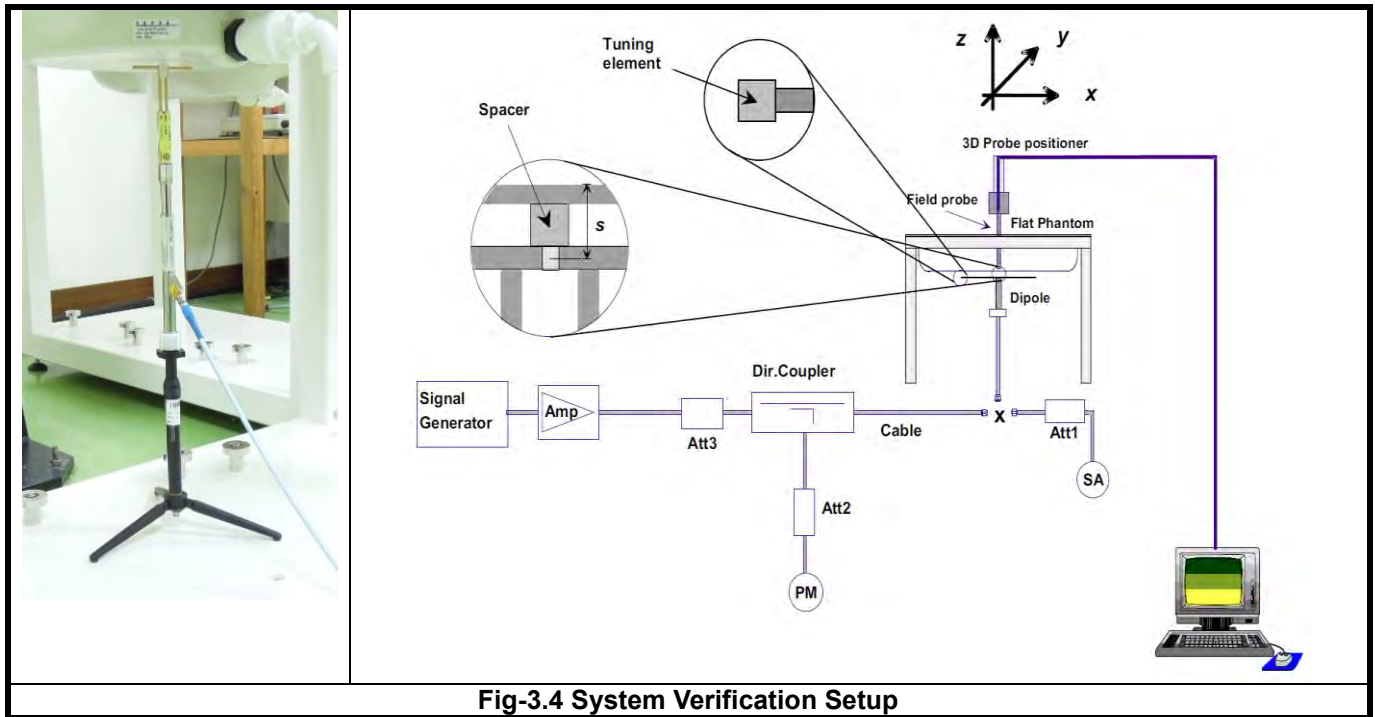


Fig-3.4 System Verification Setup

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 spectrum analyzer measures the forward power at the location of the system check dipole connector. The signal generator is adjusted for the desired forward power (250 mW is used for 700 MHz to 3 GHz, 100 mW is used for 3.5 GHz to 6 GHz) at the dipole connector and the power meter is read at that level. After connecting the cable to the dipole, the signal generator is readjusted for the same reading at power meter.

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 & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. According to KDB 865664 D01, the resolution for Area and Zoom scan is specified in the table below.

Items	<= 2 GHz	2-3 GHz	3-4 GHz	4-5 GHz	5-6 GHz
Area Scan ($\Delta x, \Delta y$)	<= 15 mm	<= 12 mm	<= 12 mm	<= 10 mm	<= 10 mm
Zoom Scan ($\Delta x, \Delta y$)	<= 8 mm	<= 5 mm	<= 5 mm	<= 4 mm	<= 4 mm
Zoom Scan (Δz)	<= 5 mm	<= 5 mm	<= 4 mm	<= 3 mm	<= 2 mm
Zoom Scan Volume	>= 30 mm	>= 30 mm	>= 28 mm	>= 25 mm	>= 22 mm

Note:

When zoom scan is required and report SAR is <= 1.4 W/kg, the zoom scan resolution of $\Delta x / \Delta y$ (2-3GHz: <= 8 mm, 3-4GHz: <= 7 mm, 4-6GHz: <= 5 mm) may be applied.

3.4.2 Volume Scan Procedure

The volume scan is used for 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.



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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

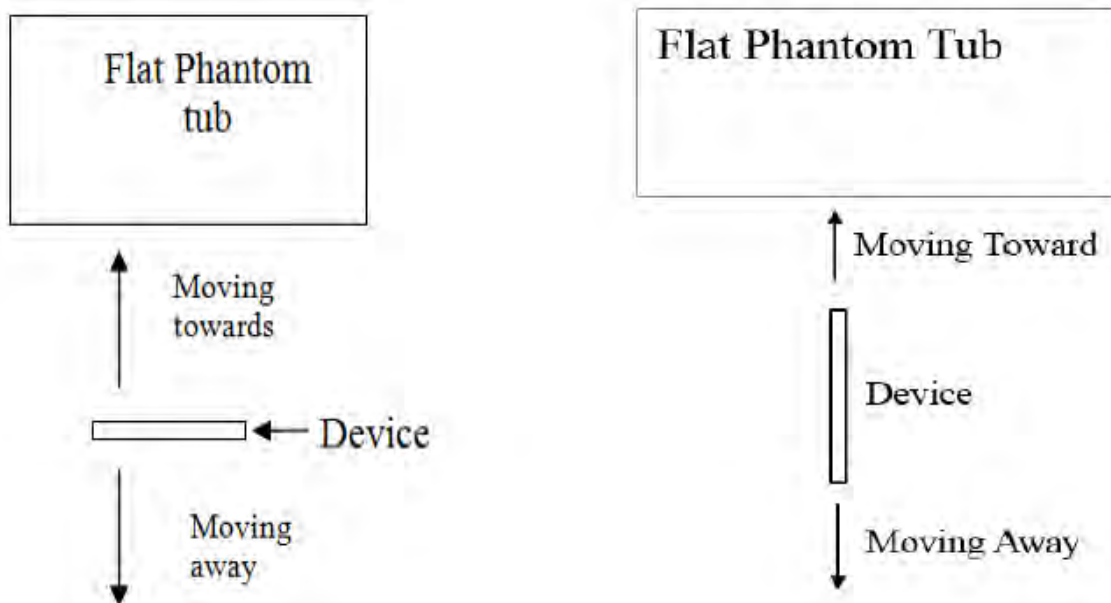
<Connections between EUT and System Simulator>

For WWAN SAR testing, the EUT was linked and controlled by base station emulator (Anritsu MT8821C is used for LTE). 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.

< Proximity Sensor Triggering Distances >

The proximity sensor triggering distance was determined per KDB 616217 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed.

In the preliminary triggering distance testing, the tissue-equivalent medium for different frequency bands were used for verification; no other frequency bands tissue-equivalent medium was found to result in shortest triggering than that for 5700MHz, and the tissue-equivalent medium for 5700MHz was used for formal proximity sensor triggering testing.



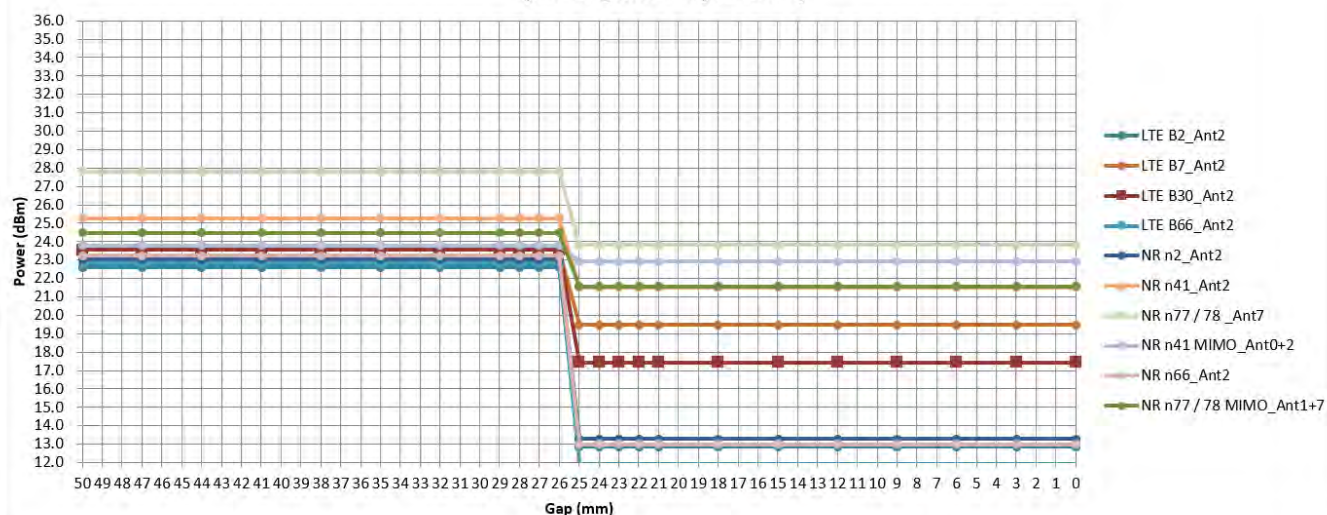
Summary for power verification per distance was tabulated in the below table.



Output Power Verification in dBm for EUT Front Face
(moving toward phantom)

Distance (mm)	50~30	29	28	27	26	25	24	23	22	21	20~0
LTE B2_Ant2	22.60	22.60	22.60	22.60	22.60	12.86	12.86	12.86	12.86	12.86	12.86
LTE B7_Ant2	23.56	23.56	23.56	23.56	23.56	19.48	19.48	19.48	19.48	19.48	19.48
LTE B30_Ant2	22.28	22.28	22.28	22.28	22.28	17.45	17.45	17.45	17.45	17.45	17.45
LTE B66_Ant2	22.81	22.81	22.81	22.81	22.81	11.94	11.94	11.94	11.94	11.94	11.94
NR n2_Ant2	23.03	23.03	23.03	23.03	23.03	13.29	13.29	13.29	13.29	13.29	13.29
NR n41_Ant2	25.28	25.28	25.28	25.28	25.28	21.52	21.52	21.52	21.52	21.52	21.52
NR n41 MIMO_Ant0+2	23.79	23.79	23.79	23.79	23.79	22.93	22.93	22.93	22.93	22.93	22.93
NR n66_Ant2	23.25	23.25	23.25	23.25	23.25	12.99	12.99	12.99	12.99	12.99	12.99
NR n77 / 78_Ant7	27.82	27.82	27.82	27.82	27.82	23.83	23.83	23.83	23.83	23.83	23.83
NR n77 / 78 MIMO_Ant1+7	24.48	24.48	24.48	24.48	24.48	21.57	21.57	21.57	21.57	21.57	21.57

Front Face
(moving toward phantom)

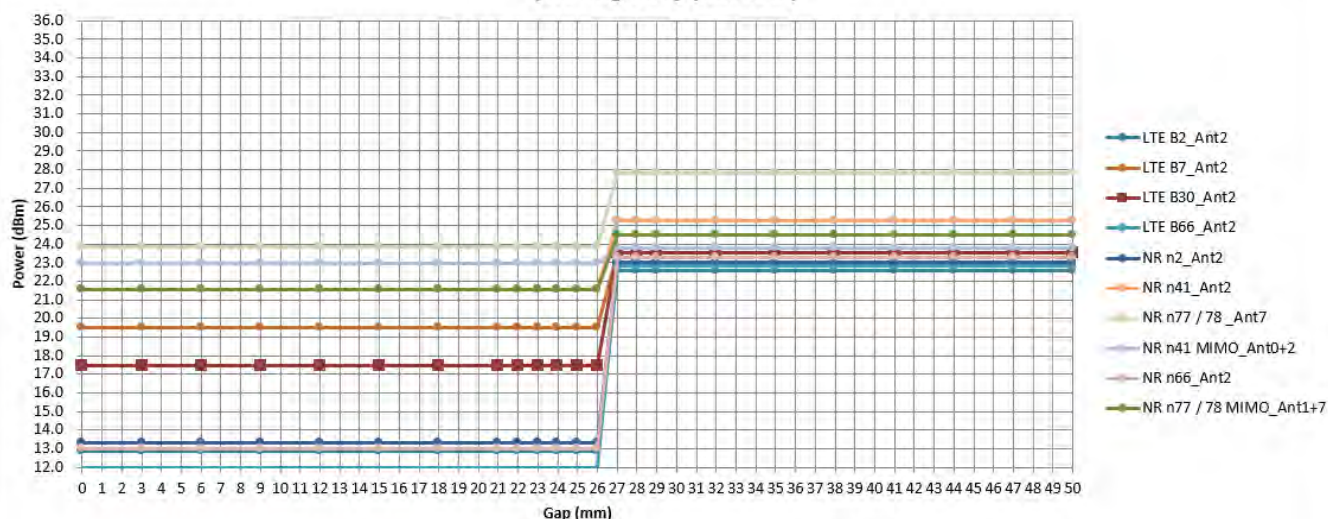




Output Power Verification in dBm for EUT Front Face
(moving away phantom)

Distance (mm)	0~20	21	22	23	24	25	26	27	28	29	30~50
LTE B2_Ant2	12.86	12.86	12.86	12.86	12.86	12.86	22.60	22.60	22.60	22.60	22.60
LTE B7_Ant2	19.48	19.48	19.48	19.48	19.48	19.48	23.56	23.56	23.56	23.56	23.56
LTE B30_Ant2	17.45	17.45	17.45	17.45	17.45	17.45	22.28	22.28	22.28	22.28	22.28
LTE B66_Ant2	11.94	11.94	11.94	11.94	11.94	11.94	22.81	22.81	22.81	22.81	22.81
NR n2_Ant2	13.29	13.29	13.29	13.29	13.29	13.29	23.03	23.03	23.03	23.03	23.03
NR n41_Ant2	21.52	21.52	21.52	21.52	21.52	21.52	25.28	25.28	25.28	25.28	25.28
NR n41 MIMO_Ant0+2	22.93	22.93	22.93	22.93	22.93	22.93	23.79	23.79	23.79	23.79	23.79
NR n66_Ant2	12.99	12.99	12.99	12.99	12.99	12.99	23.25	23.25	23.25	23.25	23.25
NR n77 / 78_Ant7	23.83	23.83	23.83	23.83	23.83	23.83	27.82	27.82	27.82	27.82	27.82
NR n77 / 78 MIMO_Ant1+7	21.57	21.57	21.57	21.57	21.57	21.57	24.48	24.48	24.48	24.48	24.48

Front Face
(moving away phantom)



<Summary for Proximity Sensor Triggering Test>

WWAN Proximity Sensor Trigger Distance (mm)	
Position	Front Face
Minimum	25

**<Considerations Related to LTE for Setup and Testing>**

This device contains LTE transmitter which follows 3GPP standards, supports QPSK 16QAM 64QAM and 256QAM 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 QPSK 16QAM 64QAM and 256QAM modulation. The results please refer to section 4.5 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		
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
71			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.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

Modulation	Channel bandwidth / Transmission bandwidth (N_{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3
256 QAM	≥ 1						≤ 5

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

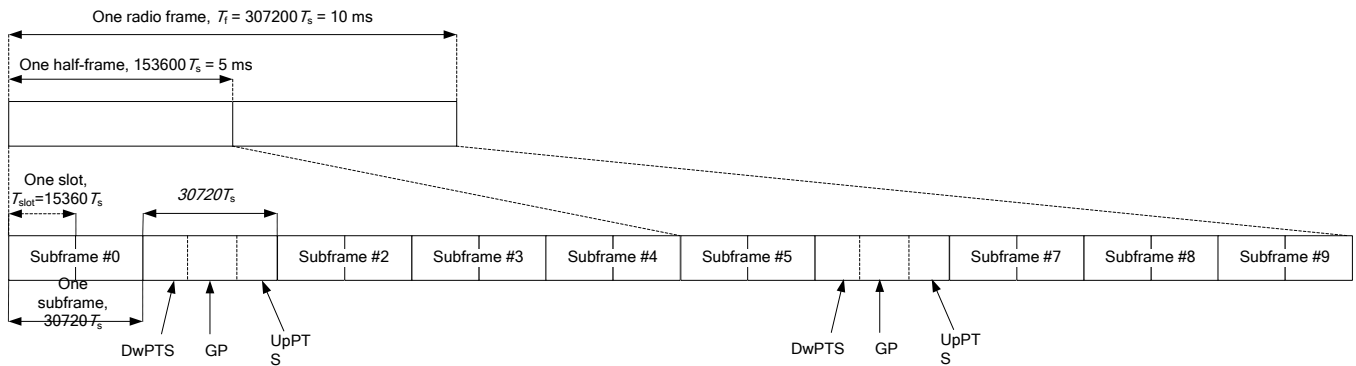
In addition, the device is compliant with additional maximum power reduction (A-MPR) requirements defined in 3GPP TS 36.101 section 6.2.4 that was disabled for all FCC compliance testing.

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

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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	4384 • Ts	5120 • Ts	7680 • Ts	4384 • Ts	5120 • Ts
5	6592 • Ts			20480 • 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%

Considering the highest transmission duty cycle, TDD-LTE was tested using Uplink-Downlink Configuration 0 with 6 uplink subframe and 2 special subframe. The special subframe was set to special subframe configuration 7 using extended cyclic prefix uplink. Therefore, SAR testing for TDD-LTE was performed at the maximum output power with highest transmission duty cycle of 63.33%.

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LTE Uplink Carrier Aggregation (Intra-Band) Setup Configurations

EUT Supported Combinations of Uplink Carrier Aggregation
Intra-Band 2CC Uplink CA Operating Bands
CA_2C, CA_5B, CA_7C, CA_12B, CA_41C, CA_66B, CA_66C

Note:

- UL CA shall be tested based on the worst-case SAR configuration determined from non-CA SAR testing result. The channel BW, channel number, RB allocation, etc. would be selected to allow contiguous CA of PCC and SCC. Uplink output power for UL CA is the total power measured across the PCC and SCC.
- The UL CA mode power measurements represent the total power across both carriers. Measurements were made for all supported PCC bandwidths using the channel/RB combination resulting in the highest standalone output power at the least MPR (0 dB). SCC were set to use configurations similar to the PCC to establish conservative or worst-case equivalent SAR test conditions (highest maximum output power with MPR of 0 dB and RB allocation setting).
- PCC RB allocation setting for UL CA has been adjusted based on the worst-case power.
- According to November 2017 TCB workshop, Uplink CA SAR Test Guidance as follows:
 - When the maximum output power for UL CA is $\leq$ standalone LTE mode (without CA)
 - PCC is configured according to the highest standalone SAR configuration tested
 - SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC
 - When the Reported SAR for UL CA configuration, described above, is $> 1.2\text{W/kg}$, UL CA is also required for all required test channels(PCC based)
 - UL CA SAR is also required for standalone SAR configurations $> 1.2\text{W/kg}$ when they are scaled to the UL CA power level
- PCC RB allocation setting for UL CA has been adjusted based on the worst-case power, for detailed UL CA output power measurement results, please refer to Appendix D.

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LTE Uplink Carrier Aggregation (Inter-Band) Setup Configurations

LTE Uplink CA	2CC Uplink Carrier Aggregation	
Inter Band	Tx Antenna	
	PCC	SCC
CA_2A-5A	Ant 2	Ant 0
CA_2A-7A	Ant 0	Ant 2
CA_2A-12A	Ant 2	Ant 0
CA_2A-13A	Ant 2	Ant 0
CA_2A-14A	Ant 2	Ant 0
CA_2A-30A	Ant 0	Ant 2
CA_2A-66A	Ant 0	Ant 2
CA_2A-66A	Ant 2	Ant 0
CA_2A-71A	Ant 2	Ant 0
CA_5A-7A	Ant 0	Ant 2
CA_5A-30A	Ant 0	Ant 2
CA_5A-66A	Ant 0	Ant 2
CA_7A-12A	Ant 2	Ant 0
CA_7A-66A	Ant 0	Ant 2
CA_7A-66A	Ant 2	Ant 0
CA_12A-30A	Ant 0	Ant 2
CA_12A-66A	Ant 0	Ant 2
CA_13A-66A	Ant 0	Ant 2
CA_14A-30A	Ant 0	Ant 2
CA_14A-66A	Ant 0	Ant 2
CA_30A-66A	Ant 0	Ant 2
CA_30A-66A	Ant 2	Ant 0
CA_66A-71A	Ant 2	Ant 0

Note:

1. The power of a single carrier in inter-band CA will not be higher than in non-CA mode, therefore, Inter-band CA Simultaneous SAR analysis is performed using standalone SAR summed together and they are more conservatively for inter-band CA.

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<Considerations Related to 5G NR for Setup and Testing>

1. The 5G NR supports both SA and NSA modes. The details are as follows

Mode	Band	Duplex	SCS(KHz)	BW(M)
SA	5G NR n2	FDD	15	5, 10, 15, 20
	5G NR n5	FDD	15	5, 10, 15, 20
	5G NR n25	FDD	15	5, 10, 15, 20
	5G NR n41	TDD	30	20, 30, 40, 50, 60, 70, 80, 90, 100
	5G NR n66	FDD	15	5, 10, 15, 20, 30
	5G NR n71	FDD	15	5, 10, 15, 20
	5G NR n77	TDD	30	20, 30, 40, 60, 80, 100
	5G NR n78	TDD	30	20, 30, 40, 50, 60, 70, 80, 90, 100
NSA	5G NR n2	FDD	15	5, 10, 15, 20
	5G NR n5	FDD	15	5, 10, 15, 20
	5G NR n41	TDD	30	20, 30, 40, 50, 60, 70, 80, 90, 100
	5G NR n66	FDD	15	5, 10, 15, 20, 30
	5G NR n71	FDD	15	5, 10, 15, 20
	5G NR n77	TDD	30	20, 30, 40, 60, 80, 100

2. For 5G NR test procedure was following step similar FCC KDB 941225 D05:

- (1) For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not ½ dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is ≤ 1.45 W/kg, CP-OFDM testing is not required.
- (2) For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.
- (3) SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offset at the upper edge, middle and lower edge of each required test channel.
- (4) 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
- (5) 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% RB and 1RB allocations and the highest reported SAR for 1RB 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.
- (6) Pi/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, Pi/2 BPSK/16QAM/64QAM/256QAM SAR testing are not required.



- (7) Smaller bandwidth output power for each RB allocation configuration for this device will not. ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.

Table 6.2.2.3-1: Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
		$\leq 0.5^2$		0 ²
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM		≤ 2.5	
CP-OFDM	256 QAM		≤ 4.5	
	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM		≤ 3.5	
	256 QAM		≤ 6.5	
NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability <i>powerBoosting-pi2BPSK</i> and if the IE <i>powerBoostPi2BPSK</i> is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 26dBm.				
NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 and if the IE <i>powerBoostPi2BPSK</i> is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.				

- NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level. So, SA SAR can represent NSA mode SAR.
- 5G NR NSA mode, the power level is the same as 5G NR SA mode, so 5G NR NSA mode and SA mode power table only show one time.
- Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection.
- 5GNR n77/n78/n41 HUPE with higher power, 5G NR n77/n78/n41 HUPE SAR can represent power class 3 level SAR.

ENDC Combination	Antenna TX	
	LTE TX	NR TX
DC_2A_n5A	Ant 2	Ant 0
DC_2A_n66A	Ant 2	Ant 0
DC_2A_n71A	Ant 2	Ant 0
DC_2A_n77A	Ant 2	Ant 7
DC_5A_n2A	Ant 0	Ant 2
DC_5A_n66A	Ant 0	Ant 2
DC_5A_n77A	Ant 0	Ant 7
DC_12A_n2A	Ant 0	Ant 2
DC_12A_n66A	Ant 0	Ant 2
DC_13A_n2A	Ant 0	Ant 2
DC_13A_n66A	Ant 0	Ant 2
DC_13A_n77A	Ant 0	Ant 7

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ENDC Combination	Antenna TX	
	LTE TX	NR TX
DC_14A_n2A	Ant 0	Ant 2
DC_14A_n66A	Ant 0	Ant 2
DC_14A_n77A	Ant 0	Ant 7
DC_30A_n2A	Ant 0	Ant 2
DC_30A_n5A	Ant 2	Ant 0
DC_30A_n66A	Ant 0	Ant 2
DC_30A_n66A	Ant 2	Ant 0
DC_66A_n2A	Ant 0	Ant 2
DC_66A_n2A	Ant 2	Ant 0
DC_66A_n5A	Ant 2	Ant 0
DC_66A_n41A	Ant 0	Ant 2
DC_66A_n71A	Ant 2	Ant 0
DC_66A_n77A	Ant 0	Ant 7

Note: For ENDC Simultaneous SAR analysis is performed using standalone SAR summed together and they are more conservatively for ENDC.



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<Considerations Related to WLAN for Setup and Testing>

In general, various vendor specific external test software and chipset based internal test modes are typically used for SAR measurement. These chipset based test mode utilities are generally hardware and manufacturer dependent, and often include substantial flexibility to reconfigure or reprogram a device. A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement. The test frequencies established using test mode must correspond to the actual channel frequencies. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. In addition, a periodic transmission duty factor is required for current generation SAR systems to measure SAR correctly. The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

According to KDB 248227 D01, this device has installed WLAN engineering testing software which can provide continuous transmitting RF signal. During WLAN SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

Initial Test Configuration

An initial test configuration is determined for OFDM transmission modes in 2.4 GHz and 5 GHz bands according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.

Subsequent Test Configuration

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. When the highest reported SAR for the initial test configuration according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

SAR Test Configuration and Channel Selection

When multiple channel bandwidth configurations in a frequency band have the same specified maximum output power, the initial test configuration is using largest channel bandwidth, lowest order modulation, lowest data rate, and lowest order 802.11 mode (i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n). After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following.

1) The channel closest to mid-band frequency is selected for SAR measurement.

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2) For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

Test Reduction for U-NII-1 (5.2 GHz) and U-NII-2A (5.3 GHz) Bands

For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following.

1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition).

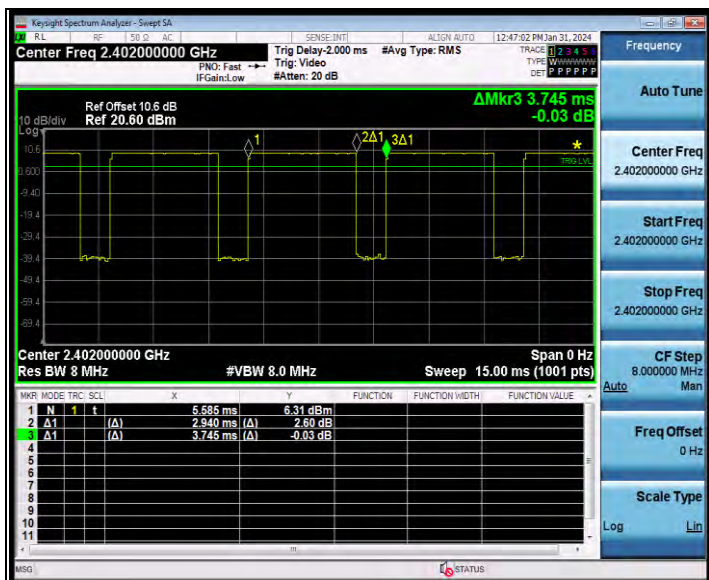
2) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration.

<Considerations Related to Bluetooth for Setup and Testing>

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

<BT Duty Cycle of Test Signal>

BT_GFSK: Duty cycle = $2.940 / 3.745 = 0.7850$



4.2 EUT Testing Position

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

4.2.1 Head Exposure Conditions

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

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

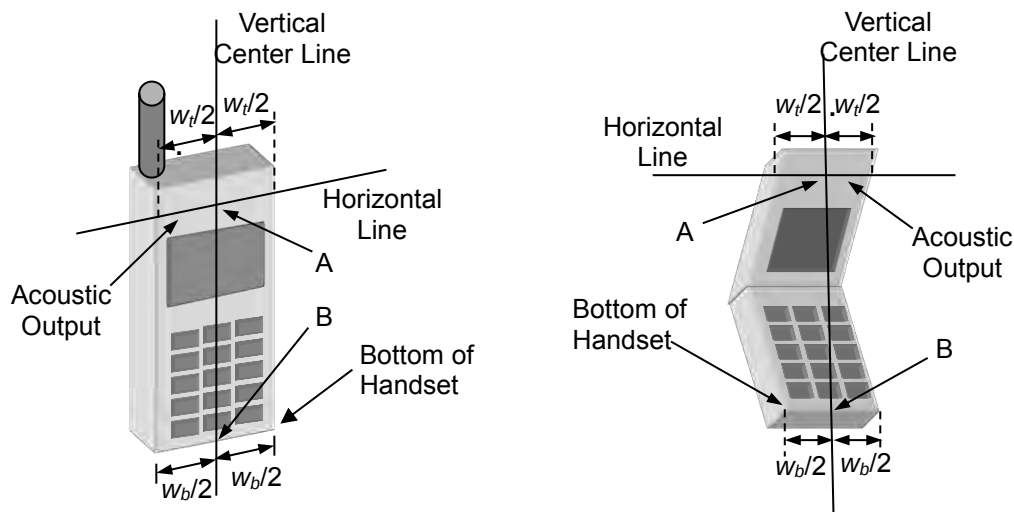


Fig-4.1 Illustration for Handset Vertical and Horizontal Reference Lines

2. Cheek Position

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

with the ear is lost (see Fig-4.2).

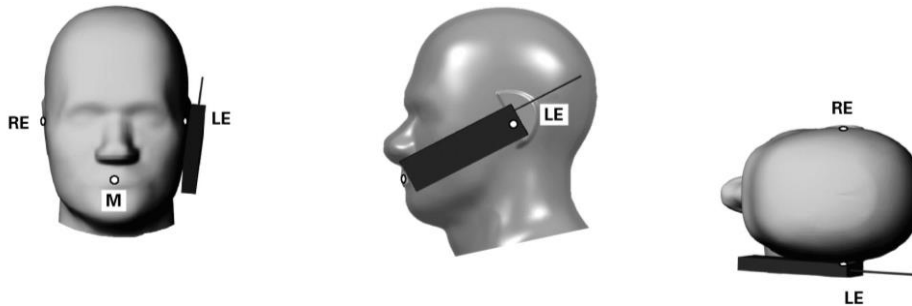


Fig-4.2 Illustration for Cheek Position

3. Tilted Position

- To position the device in the “cheek” position described above.
- While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost (see Fig-4.3).

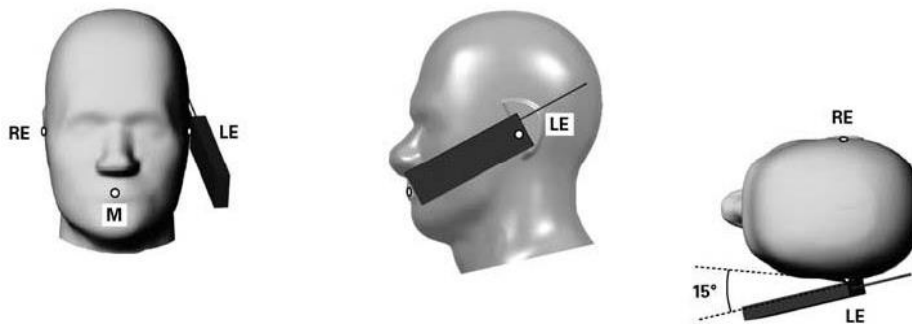


Fig-4.3 Illustration for Tilted Position

4.2.2 Body-worn Accessory Exposure Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 D01 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

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

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required.

A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance $\leq 5 \text{ mm}$ to support compliance.

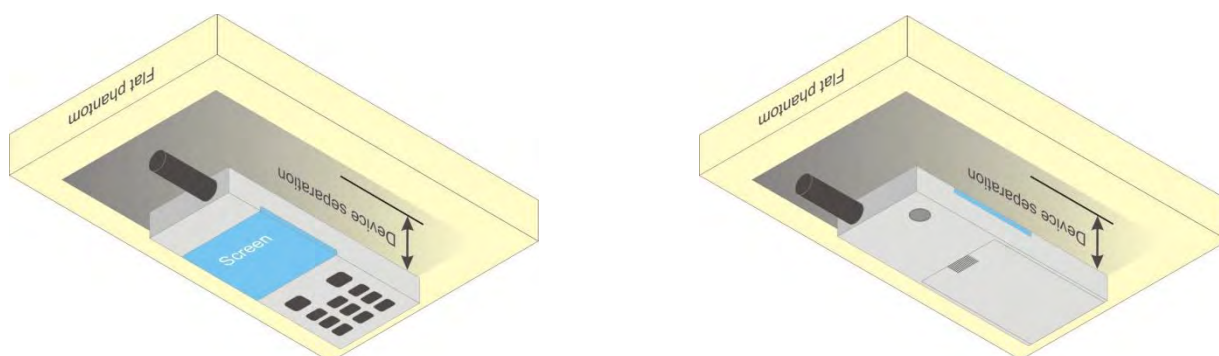
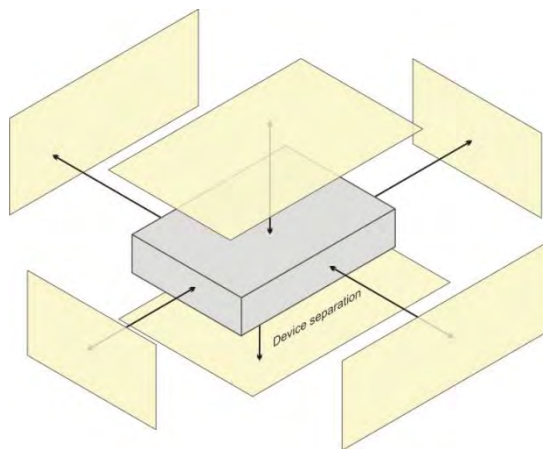


Fig-4.4 Illustration for Body Worn Position

4.2.3 Hotspot Mode Exposure Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225 D06. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



Based on the antenna location shown on appendix E of this report, the SAR testing required for hotspot mode is listed as below.

Antenna	Front Face	Rear Face	Left Side	Right Side	Top Side	Bottom Side
WWAN Ant 0	V	V	V	V		V
WWAN Ant 1	V	V	V			V
WWAN Ant 2	V	V	V		V	
WLAN/BT Ant 6	V	V		V	V	
WWAN Ant 7	V	V		V		
WLAN Ant 8	V	V	V			

4.2.4 Extremity Exposure Conditions

For smart phones with a display diagonal dimension > 15 cm or an overall diagonal dimension > 16 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance.

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g SAR > 1.2 W/kg. The normal tablet procedures in KDB 616217 are required when the over diagonal dimension of the device is > 20 cm. Hotspot mode SAR is not required when normal tablet procedures are applied. Extremity 10-g SAR is also not required for the front (top) surface of large form factor full size tablets. The more conservative tablet SAR results can be used to support the 10-g extremity SAR for phablet mode.
3. The simultaneous transmission operating configurations applicable to voice and data transmissions for both phone and mini-tablet modes must be taken into consideration separately for 1-g and 10-g SAR to determine the simultaneous transmission SAR test exclusion and measurement requirements for the relevant wireless modes and exposure conditions.

4.2.5 SAR Test Exclusion Evaluations

For NFC:

1. Maximum output power = 2000 mW
2. Duty Cycle = 99%
3. Length of each event = 1 second
4. Events per observation period = 2 times
5. Observation period = 360 seconds

Based on the above data, calculated the time-averaged power: $(2000 \times 0.99 \times 1 \times 2) / 360 = 11$ mW.

According to KDB 447498 D01, the SAR test exclusion condition is based on source-based time-averaged maximum conducted output power, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The SAR exclusion threshold is determined by the following.

Mode	Max. Tune-up Power (mW)	Ant. to Surface (mm)	Exemption limit (mW)	Require SAR Testing?
NFC (13.56MHz)	11	5	442	No



4.3 Tissue Verification

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

Test Date	Tissue Type	Frequency (MHz)	Liquid Temp. (°C)	Measured Conductivity (σ)	Measured Permittivity (ϵ_r)	Target Conductivity (σ)	Target Permittivity (ϵ_r)	Conductivity Deviation (%)	Permittivity Deviation (%)
Mar. 24, 2024	Head	750	22.4	0.911	42.844	0.89	41.90	2.36	2.25
Mar. 25, 2024	Head	750	22.5	0.907	43.426	0.89	41.90	1.91	3.64
Mar. 26, 2024	Head	750	22.6	0.913	42.789	0.89	41.90	2.58	2.12
May. 05, 2024	Head	835	22.4	0.906	43.460	0.90	41.50	0.67	4.72
May. 14, 2024	Head	835	22.7	0.926	42.035	0.90	41.50	2.89	1.29
May. 15, 2024	Head	1750	22.2	1.415	39.833	1.37	40.10	3.28	-0.67
May. 16, 2024	Head	1750	22.3	1.437	40.115	1.37	40.10	4.89	0.04
May. 17, 2024	Head	1900	22.3	1.443	39.585	1.40	40.00	3.07	-1.04
May. 18, 2024	Head	1900	22.5	1.425	39.554	1.40	40.00	1.79	-1.11
May. 19, 2024	Head	2300	22.4	1.729	39.819	1.67	39.50	3.53	0.81
Mar. 25, 2024	Head	2450	22.5	1.780	39.606	1.80	39.20	-1.11	1.04
Apr. 21, 2024	Head	2450	22.3	1.875	39.563	1.80	39.20	4.17	0.93
May. 02, 2024	Head	2600	22.6	2.006	39.321	1.96	39.00	2.35	0.82
May. 03, 2024	Head	2600	22.7	1.922	39.023	1.96	39.00	-1.94	0.06
May. 04, 2024	Head	2600	22.4	2.037	37.628	1.96	39.00	3.93	-3.52
May. 05, 2024	Head	2600	22.4	2.005	39.319	1.96	39.00	2.30	0.82
May. 11, 2024	Head	3500	22.1	2.821	39.687	2.91	37.90	-3.06	4.72
May. 12, 2024	Head	3700	22.3	3.090	39.366	3.21	39.07	-3.82	0.76
May. 13, 2024	Head	3900	22.2	3.213	39.070	3.12	37.70	2.98	3.63
Apr. 22, 2024	Head	5250	22.4	4.630	36.196	4.76	35.90	-2.73	0.82
Apr. 23, 2024	Head	5250	22.6	4.564	36.353	4.76	35.90	-4.12	1.26
Apr. 25, 2024	Head	5600	22.2	4.910	34.587	5.07	35.50	-3.16	-2.57
Apr. 26, 2024	Head	5600	22.3	5.016	35.686	5.07	35.50	-1.07	0.52
Apr. 28, 2024	Head	5750	22.3	5.094	34.213	5.27	35.30	-3.34	-3.08
Apr. 29, 2024	Head	5750	22.4	5.256	36.344	5.27	35.30	-0.27	2.96

Note:

The dielectric properties of the tissue simulating liquid must be measured within 24 hours before the SAR testing and within $\pm 5\%$ of the target values. Liquid temperature during the SAR testing must be within $\pm 2^\circ\text{C}$.



4.4 System Verification

The measuring result for system verification is tabulated as below.

Test Date	Mode	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
Mar. 24, 2024	Head	750	8.45	2.15	8.60	1.78	1200	3873	1389
Mar. 25, 2024	Head	750	8.45	2.14	8.56	1.30	1200	3873	1389
Mar. 26, 2024	Head	750	8.45	2.16	8.64	2.25	1200	3873	1389
May. 05, 2024	Head	835	9.60	2.48	9.92	3.33	4d265	3873	1389
May. 14, 2024	Head	835	9.60	2.41	9.64	0.42	4d265	3873	1389
May. 15, 2024	Head	1750	36.60	9.32	37.28	1.86	1176	3873	1389
May. 16, 2024	Head	1750	36.60	9.28	37.12	1.42	1176	3873	1389
May. 17, 2024	Head	1900	39.70	9.55	38.20	-3.78	5d159	3873	1389
May. 18, 2024	Head	1900	39.70	9.65	38.60	-2.77	5d159	3873	1389
May. 19, 2024	Head	2300	49.20	12.4	49.60	0.81	1110	3873	1389
Mar. 25, 2024	Head	2450	52.80	12.65	50.60	-4.17	1048	3873	1389
Apr. 21, 2024	Head	2450	52.80	13	52.00	-1.52	1048	3873	1389
May. 02, 2024	Head	2600	55.80	14.2	56.80	1.79	1110	3873	1389
May. 03, 2024	Head	2600	55.80	14.35	57.40	2.87	1110	3873	1389
May. 04, 2024	Head	2600	55.80	14.4	57.60	3.23	1110	3873	1389
May. 05, 2024	Head	2600	55.80	14.27	57.08	2.29	1110	3873	1389
May. 11, 2024	Head	3500	65.50	6.58	65.80	0.46	1111	3873	1389
May. 12, 2024	Head	3700	66.80	6.57	65.70	-1.65	1082	3873	1389
May. 13, 2024	Head	3900	67.90	6.67	66.70	-1.77	1055	3873	1389
Apr. 22, 2024	Head	5250	76.90	7.91	79.10	2.86	1315	3873	1389
Apr. 23, 2024	Head	5250	76.90	7.75	77.50	0.78	1315	3873	1389
Apr. 25, 2024	Head	5600	81.90	7.99	79.90	-2.44	1315	3873	1389
Apr. 26, 2024	Head	5600	81.90	8.11	81.10	-0.98	1315	3873	1389
Apr. 28, 2024	Head	5750	76.10	7.39	73.90	-2.89	1315	3873	1389
Apr. 29, 2024	Head	5750	76.10	7.55	75.50	-0.79	1315	3873	1389

Note:

Comparing to the reference SAR value provided by SPEAG, the validation data should be within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots can be referred to Appendix A of this report.



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4.5 Maximum Output Power

4.5.1 Maximum Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance please refer to Appendix D.

4.5.2 Measured Conducted Power Result

The measuring conducted average power (Unit: dBm) please refer to Appendix D.

4.6 SAR Testing Results

4.6.1 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

<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.

(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



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> 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.

<KDB 941225 D05, SAR Evaluation Considerations for 5G NR Devices>

- (1) For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 2/3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not 1/2 dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is ≤ 1.45 W/kg, CP-OFDM testing is not required.
- (2) For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class 2/3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not 1/2 dB higher than the same configuration in the largest supported bandwidth.
- (3) SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offset at the upper edge, middle and lower edge of each required test channel.
- (4) 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
- (5) 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% RB and 1RB allocations and the highest reported SAR for 1RB 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.
- (6) $\pi/2$ BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not 1/2 dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, $\pi/2$ BPSK/16QAM/64QAM/256QAM SAR testing are not required.
- (7) Smaller bandwidth output power for each RB allocation configuration for this device will not. 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device.



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<KDB 248227 D01, SAR Guidance for Wi-Fi Transmitters>

- (1) For handsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is ≤ 0.4 W/kg, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
- (2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is ≤ 0.8 W/kg, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is ≤ 1.2 W/kg.
- (3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.
- (4) For WLAN MIMO mode, the power-based standalone SAR test exclusion or the sum of SAR provision in KDB 447498 to determine simultaneous transmission SAR test exclusion should be applied. Otherwise, SAR for MIMO mode will be measured with all applicable antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

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4.6.2 SAR Results for Head Exposure Condition

Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 2	QPSK20M	Right Cheek	19100	1	2	Reduce	1	99	-	14.0	12.86	0.12	0.643	-	1.300	0.84
	LTE 2	QPSK20M	Right Tilted	19100	1	2	Reduce	1	99	-	14.0	12.86	-0.04	0.481	-	1.300	0.63
	LTE 2	QPSK20M	Left Cheek	19100	1	2	Reduce	1	99	-	14.0	12.86	-0.14	0.225	-	1.300	0.29
	LTE 2	QPSK20M	Left Tilted	19100	1	2	Reduce	1	99	-	14.0	12.86	-0.17	0.159	-	1.300	0.21
	LTE 2	QPSK20M	Right Cheek	19100	1	2	Reduce	50	50	-	13.0	11.99	0.16	0.682	-	1.262	0.86
	LTE 2	QPSK20M	Right Tilted	19100	1	2	Reduce	50	50	-	13.0	11.99	-0.03	0.497	-	1.262	0.63
	LTE 2	QPSK20M	Left Cheek	19100	1	2	Reduce	50	50	-	13.0	11.99	0.13	0.236	-	1.262	0.30
	LTE 2	QPSK20M	Left Tilted	19100	1	2	Reduce	50	50	-	13.0	11.99	0.14	0.167	-	1.262	0.21
P01	LTE 2	QPSK20M	Right Cheek	18700	1	2	Reduce	1	99	-	14.0	12.68	0.16	0.741	-	1.355	1.00
	LTE 2	QPSK20M	Right Cheek	18900	1	2	Reduce	1	99	-	14.0	12.74	-0.16	0.716	-	1.337	0.96
	LTE 2	QPSK20M	Right Cheek	18700	1	2	Reduce	50	50	-	13.0	11.57	0.08	0.712	-	1.390	0.99
	LTE 2	QPSK20M	Right Cheek	18900	1	2	Reduce	50	50	-	13.0	11.72	0.12	0.689	-	1.343	0.93
	LTE 2	QPSK20M	Right Cheek	19100	1	2	Reduce	100	0	-	13.0	11.80	-0.02	0.707	-	1.318	0.93
	LTE 2	QPSK20M	Right Cheek	18700	2	2	Reduce	1	99	-	14.0	12.68	-0.05	0.680	-	1.355	0.92
	LTE 2	QPSK20M	Right Cheek	19100	2	2	Reduce	1	99	-	14.0	12.86	-0.08	0.674	-	1.300	0.88
	LTE 2	QPSK20M	Right Cheek	18900	2	2	Reduce	1	99	-	14.0	12.74	-0.07	0.677	-	1.337	0.90
	LTE 5	QPSK10M	Right Cheek	20450	1	0	Full	1	0	-	24.0	22.63	-0.12	0.158	-	1.371	0.22
	LTE 5	QPSK10M	Right Tilted	20450	1	0	Full	1	0	-	24.0	22.63	0.11	0.123	-	1.371	0.17
	LTE 5	QPSK10M	Left Cheek	20450	1	0	Full	1	0	-	24.0	22.63	0.19	0.153	-	1.371	0.21
	LTE 5	QPSK10M	Left Tilted	20450	1	0	Full	1	0	-	24.0	22.63	0.03	0.122	-	1.371	0.17
	LTE 5	QPSK10M	Right Cheek	20450	1	0	Full	25	0	-	23.0	21.63	-0.08	0.149	-	1.371	0.20
	LTE 5	QPSK10M	Right Tilted	20450	1	0	Full	25	0	-	23.0	21.63	-0.08	0.094	-	1.371	0.13
	LTE 5	QPSK10M	Left Cheek	20450	1	0	Full	25	0	-	23.0	21.63	0.14	0.120	-	1.371	0.16
	LTE 5	QPSK10M	Left Tilted	20450	1	0	Full	25	0	-	23.0	21.63	0.05	0.092	-	1.371	0.13
	LTE 5	QPSK10M	Right Cheek	20525	1	0	Full	1	0	-	24.0	22.41	0.19	0.180	-	1.442	0.26
P02	LTE 5	QPSK10M	Right Cheek	20600	1	0	Full	1	0	-	24.0	22.07	-0.06	0.185	-	1.560	0.29
	LTE 5B	QPSK10M	Right Cheek	PCC:20450 SCC:20549	1	0	Full	PCC:1 SCC:1	PCC:49 SCC:0	-	24.0	22.40	-0.02	0.143	-	1.445	0.21
	LTE 5	QPSK10M	Right Cheek	20600	2	0	Full	1	0	-	24.0	22.07	0.12	0.147	-	1.560	0.23
	LTE 7	QPSK20M	Right Cheek	20850	1	0	Full	1	50	-	24.0	23.20	-0.03	0.272	-	1.202	0.33
	LTE 7	QPSK20M	Right Tilted	20850	1	0	Full	1	50	-	24.0	23.20	-0.01	0.254	-	1.202	0.31
	LTE 7	QPSK20M	Left Cheek	20850	1	0	Full	1	50	-	24.0	23.20	-0.11	0.490	-	1.202	0.59
	LTE 7	QPSK20M	Left Tilted	20850	1	0	Full	1	50	-	24.0	23.20	0.11	0.181	-	1.202	0.22
	LTE 7	QPSK20M	Right Cheek	20850	1	0	Full	50	50	-	23.0	22.29	0.11	0.219	-	1.178	0.26
	LTE 7	QPSK20M	Right Tilted	20850	1	0	Full	50	50	-	23.0	22.29	-0.15	0.204	-	1.178	0.24
	LTE 7	QPSK20M	Left Cheek	20850	1	0	Full	50	50	-	23.0	22.29	0.00	0.432	-	1.178	0.51
	LTE 7	QPSK20M	Left Tilted	20850	1	0	Full	50	50	-	23.0	22.29	0.03	0.144	-	1.178	0.17
	LTE 7	QPSK20M	Left Cheek	21100	1	0	Full	1	50	-	24.0	22.97	-0.17	0.475	-	1.268	0.60
	LTE 7	QPSK20M	Left Cheek	21350	1	0	Full	1	50	-	24.0	22.85	-0.04	0.452	-	1.303	0.59
	LTE 7C	QPSK20M	Left Cheek	PCC:20850 SCC:20148	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	-	24.0	23.07	0.18	0.443	-	1.239	0.55
	LTE 7	QPSK20M	Left Cheek	21100	2	0	Full	1	50	-	24.0	22.97	-0.13	0.442	-	1.268	0.56
P03	LTE 7	QPSK20M	Right Cheek	20850	1	2	Reduce	1	50	-	20.0	19.48	-0.04	0.874	-	1.127	0.99
	LTE 7	QPSK20M	Right Tilted	20850	1	2	Reduce	1	50	-	20.0	19.48	0.04	0.632	-	1.127	0.71
	LTE 7	QPSK20M	Left Cheek	20850	1	2	Reduce	1	50	-	20.0	19.48	-0.04	0.294	-	1.127	0.33
	LTE 7	QPSK20M	Left Tilted	20850	1	2	Reduce	1	50	-	20.0	19.48	0.13	0.234	-	1.127	0.26
	LTE 7	QPSK20M	Right Cheek	20850	1	2	Reduce	50	50	-	19.0	18.57	-0.17	0.815	-	1.104	0.90
	LTE 7	QPSK20M	Right Tilted	20850	1	2	Reduce	50	50	-	19.0	18.57	0.08	0.520	-	1.104	0.57
	LTE 7	QPSK20M	Left Cheek	20850	1	2	Reduce	50	50	-	19.0	18.57	0.00	0.248	-	1.104	0.27
	LTE 7	QPSK20M	Left Tilted	20850	1	2	Reduce	50	50	-	19.0	18.57	-0.13	0.198	-	1.104	0.22
	LTE 7	QPSK20M	Right Cheek	21100	1	2	Reduce	1	50	-	20.0	19.34	0.09	0.771	-	1.164	0.90
	LTE 7	QPSK20M	Right Cheek	21350	1	2	Reduce	1	50	-	20.0	19.28	-0.12	0.715	-	1.180	0.84
	LTE 7	QPSK20M	Right Cheek	21100	1	2	Reduce	50	50	-	19.0	18.36	0.14	0.678	-	1.159	0.79
	LTE 7	QPSK20M	Right Cheek	21350	1	2	Reduce	50	50	-	19.0	18.35	0.17	0.655	-	1.161	0.76
	LTE 7	QPSK20M	Right Cheek	20850	1	2	Reduce	100	0	-	19.0	18.33	-0.19	0.802	-	1.167	0.94
	LTE 7	QPSK20M	Right Cheek	20850	2	2	Reduce	1	50	-	20.0	19.48	0.04	0.786	-	1.127	0.89
	LTE 7	QPSK20M	Right Cheek	21100	2	2	Reduce	1	50	-	20.0	19.34	0.14	0.791	-	1.164	0.92
	LTE 7	QPSK20M	Right Cheek	21350	2	2	Reduce	1	50	-	20.0	19.28	-0.15	0.747	-	1.180	0.88
	LTE 12	QPSK10M	Right Cheek	23060	1	0	Full	1	24	-	24.0	22.43	-0.16	0.102	-	1.435	0.15
	LTE 12	QPSK10M	Right Tilted	23060	1	0	Full	1	24	-	24.0	22.43	-0.02	0.054	-	1.435	0.08
	LTE 12	QPSK10M	Left Cheek	23060	1	0	Full	1	24	-	24.0	22.43	0.16	0.098	-	1.435	0.14
	LTE 12	QPSK10M	Left Tilted	23060	1	0	Full	1	24	-	24.0	22.43	0.15	0.058	-	1.435	0.08
	LTE 12	QPSK10M	Right Cheek	23060	1	0	Full	25	25	-	23.0	21.38	-0.17	0.084	-	1.452	0.12
	LTE 12	QPSK10M	Right Tilted	23060	1	0	Full	25	25	-	23.0	21.38	0.06	0.045	-	1.452	0.07
	LTE 12	QPSK10M	Left Cheek	23060	1	0	Full	25	25	-	23.0	21.38	0.19	0.084	-	1.452	0.12
	LTE 12	QPSK10M	Left Tilted	23060	1	0	Full	25	25	-	23.0	21.38	-0.04	0.053	-	1.452	0.08
	LTE 12	QPSK10M	Right Cheek	23095	1	0	Full	1	24	-	24.0	22.32	-0.01	0.092	-	1.472	0.14

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P04	LTE 12	QPSK10M	Right Cheek	23130	1	0	Full	1	24	-	24.0	22.34	0.03	0.122	-	1.466	0.18
	LTE 12B	QPSK10M	Right Cheek	PCC:23058 SCC:23130	1	0	Full	PCC:1 SCC:1	PCC:24 SCC:0	-	24.0	22.16	-0.08	0.087	-	1.528	0.13
	LTE 12	QPSK10M	Right Cheek	23130	2	0	Full	1	24	-	24.0	22.34	0.09	0.111	-	1.466	0.16
P05	LTE 13	QPSK10M	Right Cheek	23230	1	0	Full	1	24	-	24.0	23.22	0.12	0.192	-	1.197	0.23
	LTE 13	QPSK10M	Right Tilted	23230	1	0	Full	1	24	-	24.0	23.22	-0.04	0.107	-	1.197	0.13
	LTE 13	QPSK10M	Left Cheek	23230	1	0	Full	1	24	-	24.0	23.22	0.13	0.142	-	1.197	0.17
	LTE 13	QPSK10M	Left Tilted	23230	1	0	Full	1	24	-	24.0	23.22	0.07	0.105	-	1.197	0.13
	LTE 13	QPSK10M	Right Cheek	23230	1	0	Full	25	25	-	23.0	22.15	-0.03	0.155	-	1.216	0.19
	LTE 13	QPSK10M	Right Tilted	23230	1	0	Full	25	25	-	23.0	22.15	-0.06	0.082	-	1.216	0.10
	LTE 13	QPSK10M	Left Cheek	23230	1	0	Full	25	25	-	23.0	22.15	-0.19	0.112	-	1.216	0.14
	LTE 13	QPSK10M	Left Tilted	23230	1	0	Full	25	25	-	23.0	22.15	-0.12	0.082	-	1.216	0.10
	LTE 13	QPSK10M	Right Cheek	23230	2	0	Full	1	24	-	24.0	23.22	0.16	0.176	-	1.197	0.21
P06	LTE 14	QPSK10M	Right Cheek	23330	1	0	Full	1	24	-	24.0	23.31	0.03	0.195	-	1.172	0.23
	LTE 14	QPSK10M	Right Tilted	23330	1	0	Full	1	24	-	24.0	23.31	-0.16	0.093	-	1.172	0.11
	LTE 14	QPSK10M	Left Cheek	23330	1	0	Full	1	24	-	24.0	23.31	-0.04	0.131	-	1.172	0.15
	LTE 14	QPSK10M	Left Tilted	23330	1	0	Full	1	24	-	24.0	23.31	-0.04	0.097	-	1.172	0.11
	LTE 14	QPSK10M	Right Cheek	23330	1	0	Full	25	0	-	23.0	22.26	0.16	0.149	-	1.186	0.18
	LTE 14	QPSK10M	Right Tilted	23330	1	0	Full	25	0	-	23.0	22.26	-0.11	0.077	-	1.186	0.09
	LTE 14	QPSK10M	Left Cheek	23330	1	0	Full	25	0	-	23.0	22.26	-0.04	0.108	-	1.186	0.13
	LTE 14	QPSK10M	Left Tilted	23330	1	0	Full	25	0	-	23.0	22.26	-0.06	0.079	-	1.186	0.09
	LTE 14	QPSK10M	Right Cheek	23330	2	0	Full	1	24	-	24.0	23.31	-0.15	0.178	-	1.172	0.21
	LTE 25 / 2	QPSK20M	Right Cheek	26590	1	0	Full	1	50	-	24.0	22.97	-0.08	0.212	-	1.268	0.27
	LTE 25 / 2	QPSK20M	Right Tilted	26590	1	0	Full	1	50	-	24.0	22.97	-0.10	0.149	-	1.268	0.19
P07	LTE 25 / 2	QPSK20M	Left Cheek	26590	1	0	Full	1	50	-	24.0	22.97	-0.11	0.389	-	1.268	0.49
	LTE 25 / 2	QPSK20M	Left Tilted	26590	1	0	Full	1	50	-	24.0	22.97	-0.10	0.135	-	1.268	0.17
	LTE 25 / 2	QPSK20M	Right Cheek	26590	1	0	Full	50	50	-	23.0	22.17	-0.07	0.179	-	1.211	0.22
	LTE 25 / 2	QPSK20M	Right Tilted	26590	1	0	Full	50	50	-	23.0	22.17	0.18	0.125	-	1.211	0.15
	LTE 25 / 2	QPSK20M	Left Cheek	26590	1	0	Full	50	50	-	23.0	22.17	-0.13	0.285	-	1.211	0.35
	LTE 25 / 2	QPSK20M	Left Tilted	26590	1	0	Full	50	50	-	23.0	22.17	0.19	0.111	-	1.211	0.13
	LTE 25 / 2	QPSK20M	Left Cheek	26140	1	0	Full	1	50	-	24.0	22.74	0.11	0.315	-	1.337	0.42
	LTE 25 / 2	QPSK20M	Left Cheek	26340	1	0	Full	1	50	-	24.0	22.80	0.04	0.308	-	1.318	0.41
	LTE 2C	QPSK20M	Left Cheek	PCC:18700 SCC:18898	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	-	24.0	22.51	-0.17	0.317	-	1.409	0.45
	LTE 25 / 2	QPSK20M	Left Cheek	26590	2	0	Full	1	50	-	24.0	22.97	-0.18	0.315	-	1.268	0.40
	LTE 26	QPSK15M	Right Cheek	26765	1	0	Full	1	0	-	24.0	22.77	0.07	0.155	-	1.327	0.21
	LTE 26	QPSK15M	Right Tilted	26765	1	0	Full	1	0	-	24.0	22.77	-0.04	0.140	-	1.327	0.19
	LTE 26	QPSK15M	Left Cheek	26765	1	0	Full	1	0	-	24.0	22.77	0.19	0.149	-	1.327	0.20
	LTE 26	QPSK15M	Left Tilted	26765	1	0	Full	1	0	-	24.0	22.77	-0.03	0.115	-	1.327	0.15
	LTE 26	QPSK15M	Right Cheek	26765	1	0	Full	36	0	-	23.0	21.84	-0.10	0.143	-	1.306	0.19
	LTE 26	QPSK15M	Right Tilted	26765	1	0	Full	36	0	-	23.0	21.84	-0.18	0.108	-	1.306	0.14
	LTE 26	QPSK15M	Left Cheek	26765	1	0	Full	36	0	-	23.0	21.84	-0.16	0.125	-	1.306	0.16
	LTE 26	QPSK15M	Left Tilted	26765	1	0	Full	36	0	-	23.0	21.84	0.13	0.094	-	1.306	0.12
	LTE 26	QPSK15M	Right Cheek	26865	1	0	Full	1	0	-	24.0	22.51	0.06	0.171	-	1.409	0.24
P08	LTE 26	QPSK15M	Right Cheek	26965	1	0	Full	1	0	-	24.0	22.37	0.08	0.198	-	1.455	0.29
	LTE 26	QPSK15M	Right Cheek	26965	2	0	Full	1	0	-	24.0	22.37	0.07	0.187	-	1.455	0.27
	LTE 30	QPSK10M	Right Cheek	27710	1	0	Full	1	0	-	24.0	23.34	-0.12	0.331	-	1.164	0.39
	LTE 30	QPSK10M	Right Tilted	27710	1	0	Full	1	0	-	24.0	23.34	0.13	0.279	-	1.164	0.32
	LTE 30	QPSK10M	Left Cheek	27710	1	0	Full	1	0	-	24.0	23.34	-0.09	0.534	-	1.164	0.62
	LTE 30	QPSK10M	Left Tilted	27710	1	0	Full	1	0	-	24.0	23.34	0.17	0.213	-	1.164	0.25
	LTE 30	QPSK10M	Right Cheek	27710	1	0	Full	25	0	-	23.0	22.26	0.01	0.263	-	1.186	0.31
	LTE 30	QPSK10M	Right Tilted	27710	1	0	Full	25	0	-	23.0	22.26	0.16	0.223	-	1.186	0.26
	LTE 30	QPSK10M	Left Cheek	27710	1	0	Full	25	0	-	23.0	22.26	0.00	0.487	-	1.186	0.58
	LTE 30	QPSK10M	Left Tilted	27710	1	0	Full	25	0	-	23.0	22.26	-0.10	0.165	-	1.186	0.20
	LTE 30	QPSK10M	Left Cheek	27710	2	0	Full	1	0	-	24.0	23.34	-0.04	0.501	-	1.164	0.58
P09	LTE 30	QPSK10M	Right Cheek	27710	1	2	Reduce	1	0	-	18.0	17.45	-0.03	0.904	-	1.135	1.03
	LTE 30	QPSK10M	Right Tilted	27710	1	2	Reduce	1	0	-	18.0	17.45	-0.16	0.578	-	1.135	0.66
	LTE 30	QPSK10M	Left Cheek	27710	1	2	Reduce	1	0	-	18.0	17.45	-0.19	0.262	-	1.135	0.30
	LTE 30	QPSK10M	Left Tilted	27710	1	2	Reduce	1	0	-	18.0	17.45	0.02	0.199	-	1.135	0.23
	LTE 30	QPSK10M	Right Cheek	27710	1	2	Reduce	25	0	-	17.0	16.32	-0.12	0.856	-	1.169	1.00
	LTE 30	QPSK10M	Right Tilted	27710	1	2	Reduce	25	0	-	17.0	16.32	-0.06	0.605	-	1.169	0.71
	LTE 30	QPSK10M	Left Cheek	27710	1	2	Reduce	25	0	-	17.0	16.32	0.07	0.249	-	1.169	0.29
	LTE 30	QPSK10M	Left Tilted	27710	1	2	Reduce	25	0	-	17.0	16.32	-0.05	0.193	-	1.169	0.23
	LTE 30	QPSK10M	Right Cheek	27710	2	2	Reduce	1	0	-	18.0	17.45	0.10	0.789	-	1.135	0.90
	LTE 41 / 38 (PC3)	QPSK20M	Right Cheek	40620	1	0	Full	1	0	62.9	24.0	23.16	-0.06	0.111	1.006	1.213	0.14
	LTE 41 / 38 (PC3)	QPSK20M	Right Tilted	40620	1	0	Full	1	0	62.9	24.0	23.16	0.02	0.111	1.006	1.213	0.14
	LTE 41 / 38 (PC3)	QPSK20M	Left Cheek	40620	1	0	Full	1	0	62.9	24.0	23.16	0.19	0.236	1.006	1.213	0.29

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 41 / 38 (PC3)	QPSK20M	Left Tilted	40620	1	0	Full	1	0	62.9	24.0	23.16	0.04	0.078	1.006	1.213	0.10
	LTE 41 / 38 (PC3)	QPSK20M	Right Cheek	40620	1	0	Full	50	50	62.9	23.0	22.29	-0.16	0.090	1.006	1.178	0.11
	LTE 41 / 38 (PC3)	QPSK20M	Right Tilted	40620	1	0	Full	50	50	62.9	23.0	22.29	0.10	0.093	1.006	1.178	0.11
	LTE 41 / 38 (PC3)	QPSK20M	Left Cheek	40620	1	0	Full	50	50	62.9	23.0	22.29	-0.07	0.209	1.006	1.178	0.25
	LTE 41 / 38 (PC3)	QPSK20M	Left Tilted	40620	1	0	Full	50	50	62.9	23.0	22.29	0.17	0.066	1.006	1.178	0.08
	LTE 41 / 38 (PC3)	QPSK20M	Left Cheek	39750	1	0	Full	1	0	62.9	24.0	23.09	0.12	0.203	1.006	1.233	0.25
	LTE 41 / 38 (PC3)	QPSK20M	Left Cheek	39790	1	0	Full	1	0	62.9	24.0	23.10	0.16	0.217	1.006	1.230	0.27
	LTE 41 / 38 (PC3)	QPSK20M	Left Cheek	40185	1	0	Full	1	0	62.9	24.0	22.94	-0.03	0.204	1.006	1.276	0.26
	LTE 41 / 38 (PC3)	QPSK20M	Left Cheek	41055	1	0	Full	1	0	62.9	24.0	23.10	-0.08	0.205	1.006	1.230	0.25
	LTE 41 / 38 (PC3)	QPSK20M	Left Cheek	41490	1	0	Full	1	0	62.9	24.0	23.05	0.08	0.210	1.006	1.245	0.26
	LTE 41C (PC3)	QPSK20M	Left Cheek	PCC:39750 SCC:39948	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	62.9	24.0	22.66	0.16	0.202	1.006	1.361	0.28
	LTE 41 / 38 (PC3)	QPSK20M	Left Cheek	40620	2	0	Full	1	0	62.9	24.0	23.16	0.04	0.212	1.006	1.213	0.26
	LTE 41 (PC2)	QPSK20M	Right Cheek	40620	1	0	Full	1	0	42.9	26.5	25.58	-0.03	0.126	1.009	1.236	0.16
	LTE 41 (PC2)	QPSK20M	Right Tilted	40620	1	0	Full	1	0	42.9	26.5	25.58	-0.09	0.131	1.009	1.236	0.16
	LTE 41 (PC2)	QPSK20M	Left Cheek	40620	1	0	Full	1	0	42.9	26.5	25.58	0.03	0.240	1.009	1.236	0.30
	LTE 41 (PC2)	QPSK20M	Left Tilted	40620	1	0	Full	1	0	42.9	26.5	25.58	0.13	0.087	1.009	1.236	0.11
	LTE 41 (PC2)	QPSK20M	Right Cheek	40620	1	0	Full	50	50	42.9	25.5	24.69	-0.04	0.104	1.009	1.205	0.13
	LTE 41 (PC2)	QPSK20M	Right Tilted	40620	1	0	Full	50	50	42.9	25.5	24.69	0.01	0.109	1.009	1.205	0.13
	LTE 41 (PC2)	QPSK20M	Left Cheek	40620	1	0	Full	50	50	42.9	25.5	24.69	0.14	0.240	1.009	1.205	0.29
	LTE 41 (PC2)	QPSK20M	Left Tilted	40620	1	0	Full	50	50	42.9	25.5	24.69	-0.03	0.073	1.009	1.205	0.09
	LTE 41 (PC2)	QPSK20M	Left Cheek	39750	1	0	Full	1	0	42.9	26.5	25.22	-0.07	0.229	1.009	1.343	0.31
	LTE 41 (PC2)	QPSK20M	Left Cheek	39790	1	0	Full	1	0	42.9	26.5	25.29	0.19	0.231	1.009	1.321	0.31
	LTE 41 (PC2)	QPSK20M	Left Cheek	40185	1	0	Full	1	0	42.9	26.5	25.34	-0.05	0.228	1.009	1.306	0.30
P10	LTE 41 (PC2)	QPSK20M	Left Cheek	41055	1	0	Full	1	0	42.9	26.5	25.56	0.05	0.256	1.009	1.242	0.32
	LTE 41 (PC2)	QPSK20M	Left Cheek	41490	1	0	Full	1	0	42.9	26.5	25.32	-0.01	0.238	1.009	1.312	0.32
	LTE 41C (PC2)	QPSK20M	Left Cheek	PCC:39750 SCC:39948	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	42.9	26.5	25.32	-0.02	0.215	1.009	1.312	0.28
	LTE 41 (PC2)	QPSK20M	Left Cheek	41055	2	0	Full	1	99	42.9	26.5	25.56	0.00	0.241	1.009	1.242	0.30
	LTE 66 / 4	QPSK20M	Right Cheek	132572	1	0	Full	1	50	-	24.0	22.87	0.18	0.155	-	1.297	0.20
	LTE 66 / 4	QPSK20M	Right Tilted	132572	1	0	Full	1	50	-	24.0	22.87	-0.01	0.095	-	1.297	0.12
	LTE 66 / 4	QPSK20M	Left Cheek	132572	1	0	Full	1	50	-	24.0	22.87	-0.17	0.331	-	1.297	0.43
	LTE 66 / 4	QPSK20M	Left Tilted	132572	1	0	Full	1	50	-	24.0	22.87	-0.06	0.118	-	1.297	0.15
	LTE 66 / 4	QPSK20M	Right Cheek	132572	1	0	Full	50	25	-	23.0	22.06	-0.09	0.128	-	1.242	0.16
	LTE 66 / 4	QPSK20M	Right Tilted	132572	1	0	Full	50	25	-	23.0	22.06	-0.18	0.078	-	1.242	0.10
	LTE 66 / 4	QPSK20M	Left Cheek	132572	1	0	Full	50	25	-	23.0	22.06	0.13	0.265	-	1.242	0.33
	LTE 66 / 4	QPSK20M	Left Tilted	132572	1	0	Full	50	25	-	23.0	22.06	-0.03	0.100	-	1.242	0.12
	LTE 66 / 4	QPSK20M	Left Cheek	132072	1	0	Full	1	50	-	24.0	22.82	0.08	0.349	-	1.312	0.46
	LTE 66 / 4	QPSK20M	Left Cheek	132322	1	0	Full	1	50	-	24.0	22.60	-0.15	0.390	-	1.380	0.54
	LTE 66B	QPSK20M	Left Cheek	PCC:132523 SCC:132622	1	0	Full	PCC:1 SCC:1	PCC:49 SCC:0	-	24.0	22.66	-0.08	0.302	-	1.361	0.41
	LTE 66C	QPSK20M	Left Cheek	PCC:132374 SCC:132572	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	-	24.0	22.60	0.17	0.307	-	1.380	0.42
	LTE 66 / 4	QPSK20M	Left Cheek	132322	2	0	Full	1	50	-	24.0	22.60	0.17	0.365	-	1.380	0.50
	LTE 66	QPSK20M	Right Cheek	132572	1	2	Reduce	1	50	-	13.0	11.94	-0.15	0.634	-	1.276	0.81
	LTE 66	QPSK20M	Right Tilted	132572	1	2	Reduce	1	50	-	13.0	11.94	-0.02	0.474	-	1.276	0.61
	LTE 66	QPSK20M	Left Cheek	132572	1	2	Reduce	1	50	-	13.0	11.94	-0.04	0.228	-	1.276	0.29
	LTE 66	QPSK20M	Left Tilted	132572	1	2	Reduce	1	50	-	13.0	11.94	0.00	0.164	-	1.276	0.21
P11	LTE 66	QPSK20M	Right Cheek	132572	1	2	Reduce	50	25	-	12.0	11.12	-0.09	0.671	-	1.225	0.82
	LTE 66	QPSK20M	Right Tilted	132572	1	2	Reduce	50	25	-	12.0	11.12	-0.18	0.409	-	1.225	0.50
	LTE 66	QPSK20M	Left Cheek	132572	1	2	Reduce	50	25	-	12.0	11.12	0.02	0.238	-	1.225	0.29
	LTE 66	QPSK20M	Left Tilted	132572	1	2	Reduce	50	25	-	12.0	11.12	0.05	0.167	-	1.225	0.20
	LTE 66	QPSK20M	Right Cheek	132072	1	2	Reduce	1	50	-	13.0	11.92	-0.03	0.609	-	1.282	0.78
	LTE 66	QPSK20M	Right Cheek	132322	1	2	Reduce	1	50	-	13.0	11.64	0.07	0.587	-	1.368	0.80
	LTE 66	QPSK20M	Right Cheek	132072	1	2	Reduce	50	25	-	12.0	11.92	0.13	0.558	-	1.019	0.57
	LTE 66	QPSK20M	Right Cheek	132322	1	2	Reduce	50	25	-	12.0	11.64	-0.06	0.604	-	1.086	0.66
	LTE 66	QPSK20M	Right Cheek	132572	1	2	Reduce	100	0	-	12.0	11.05	-0.11	0.612	-	1.245	0.76
	LTE 66	QPSK20M	Right Cheek	132572	2	2	Reduce	50	25	-	12.0	11.12	0.02	0.641	-	1.225	0.78
	LTE 71	QPSK20M	Right Cheek	133372	1	0	Full	1	99	-	24.0	22.60	0.15	0.090	-	1.380	0.12
	LTE 71	QPSK20M	Right Tilted	133372	1	0	Full	1	99	-	24.0	22.60	0.16	0.045	-	1.380	0.06
	LTE 71	QPSK20M	Left Cheek	133372	1	0	Full	1	99	-	24.0	22.60	0.04	0.091	-	1.380	0.13
	LTE 71	QPSK20M	Left Tilted	133372	1	0	Full	1	99	-	24.0	22.60	0.14	0.053	-	1.380	0.07



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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 71	QPSK20M	Right Cheek	133372	1	0	Full	50	50	-	23.0	21.60	0.11	0.078	-	1.380	0.11
	LTE 71	QPSK20M	Right Tilted	133372	1	0	Full	50	50	-	23.0	21.60	0.09	0.000	-	1.380	0.00
	LTE 71	QPSK20M	Left Cheek	133372	1	0	Full	50	50	-	23.0	21.60	-0.14	0.084	-	1.380	0.12
	LTE 71	QPSK20M	Left Tilted	133372	1	0	Full	50	50	-	23.0	21.60	-0.10	0.046	-	1.380	0.06
P12	LTE 71	QPSK20M	Left Cheek	133222	1	0	Full	1	99	-	24.0	22.50	0.06	0.132	-	1.413	0.19
	LTE 71	QPSK20M	Left Cheek	133322	1	0	Full	1	99	-	24.0	22.45	0.00	0.103	-	1.429	0.15
	LTE 71	QPSK20M	Left Cheek	133222	2	0	Full	1	99	-	24.0	22.50	0.14	0.063	-	1.413	0.09
	NR n2	DFT-QPSK20M	Right Cheek	380000	1	2	Reduce	1	1	-	14.0	13.29	0.02	0.726	-	1.178	0.85
	NR n2	DFT-QPSK20M	Right Tilted	380000	1	2	Reduce	1	1	-	14.0	13.29	-0.06	0.554	-	1.178	0.65
	NR n2	DFT-QPSK20M	Left Cheek	380000	1	2	Reduce	1	1	-	14.0	13.29	0.09	0.239	-	1.178	0.28
	NR n2	DFT-QPSK20M	Left Tilted	380000	1	2	Reduce	1	1	-	14.0	13.29	-0.16	0.167	-	1.178	0.20
	NR n2	DFT-QPSK20M	Right Cheek	380000	1	2	Reduce	50	28	-	14.0	13.24	0.05	0.728	-	1.191	0.87
	NR n2	DFT-QPSK20M	Right Tilted	380000	1	2	Reduce	50	28	-	14.0	13.24	0.13	0.551	-	1.191	0.66
	NR n2	DFT-QPSK20M	Left Cheek	380000	1	2	Reduce	50	28	-	14.0	13.24	0.04	0.230	-	1.191	0.27
	NR n2	DFT-QPSK20M	Left Tilted	380000	1	2	Reduce	50	28	-	14.0	13.24	-0.12	0.171	-	1.191	0.20
	NR n2	DFT-QPSK20M	Right Cheek	372000	1	2	Reduce	1	1	-	14.0	13.19	0.16	0.739	-	1.205	0.89
	NR n2	DFT-QPSK20M	Right Cheek	376000	1	2	Reduce	1	1	-	14.0	13.15	-0.09	0.733	-	1.216	0.89
P13	NR n2	DFT-QPSK20M	Right Cheek	372000	1	2	Reduce	50	28	-	14.0	13.05	0.01	0.751	-	1.245	0.93
	NR n2	DFT-QPSK20M	Right Cheek	376000	1	2	Reduce	50	28	-	14.0	13.19	0.07	0.742	-	1.205	0.89
	NR n2	DFT-QPSK20M	Right Cheek	380000	1	2	Reduce	100	0	-	14.0	13.14	0.19	0.744	-	1.219	0.91
	NR n2	DFT-QPSK20M	Right Cheek	372000	2	2	Reduce	50	28	-	14.0	13.05	0.07	0.617	-	1.245	0.77
	NR n5	DFT-QPSK20M	Right Cheek	166800	1	0	Full	1	1	-	24.0	23.34	0.10	0.145	-	1.164	0.17
	NR n5	DFT-QPSK20M	Right Tilted	166800	1	0	Full	1	1	-	24.0	23.34	-0.19	0.111	-	1.164	0.13
	NR n5	DFT-QPSK20M	Left Cheek	166800	1	0	Full	1	1	-	24.0	23.34	0.16	0.113	-	1.164	0.13
	NR n5	DFT-QPSK20M	Left Tilted	166800	1	0	Full	1	1	-	24.0	23.34	-0.04	0.088	-	1.164	0.10
	NR n5	DFT-QPSK20M	Right Cheek	166800	1	0	Full	50	0	-	24.0	23.33	0.13	0.134	-	1.167	0.16
	NR n5	DFT-QPSK20M	Right Tilted	166800	1	0	Full	50	0	-	24.0	23.33	0.11	0.097	-	1.167	0.11
	NR n5	DFT-QPSK20M	Left Cheek	166800	1	0	Full	50	0	-	24.0	23.33	0.06	0.112	-	1.167	0.13
	NR n5	DFT-QPSK20M	Left Tilted	166800	1	0	Full	50	0	-	24.0	23.33	0.14	0.088	-	1.167	0.10
P14	NR n5	DFT-QPSK20M	Right Cheek	167300	1	0	Full	1	1	-	24.0	23.27	0.12	0.151	-	1.183	0.18
	NR n5	DFT-QPSK20M	Right Cheek	167800	1	0	Full	1	1	-	24.0	23.16	-0.02	0.134	-	1.213	0.16
	NR n5	DFT-QPSK20M	Right Cheek	167300	2	0	Full	1	1	-	24.0	23.27	0.01	0.139	-	1.183	0.16
	NR n25 / 2	DFT-QPSK20M	Right Cheek	376500	1	0	Full	1	1	-	24.0	23.25	0.02	0.121	-	1.189	0.14
	NR n25 / 2	DFT-QPSK20M	Right Tilted	376500	1	0	Full	1	1	-	24.0	23.25	0.02	0.073	-	1.189	0.09
P15	NR n25 / 2	DFT-QPSK20M	Left Cheek	376500	1	0	Full	1	1	-	24.0	23.25	0.02	0.290	-	1.189	0.34
	NR n25 / 2	DFT-QPSK20M	Left Tilted	376500	1	0	Full	1	1	-	24.0	23.25	0.17	0.087	-	1.189	0.10
	NR n25 / 2	DFT-QPSK20M	Right Cheek	376500	1	0	Full	50	56	-	24.0	23.16	-0.18	0.126	-	1.213	0.15
	NR n25 / 2	DFT-QPSK20M	Right Tilted	376500	1	0	Full	50	56	-	24.0	23.16	-0.03	0.093	-	1.213	0.11
	NR n25 / 2	DFT-QPSK20M	Left Cheek	376500	1	0	Full	50	56	-	24.0	23.16	0.14	0.225	-	1.213	0.27
	NR n25 / 2	DFT-QPSK20M	Left Tilted	376500	1	0	Full	50	56	-	24.0	23.16	0.11	0.090	-	1.213	0.11
	NR n25 / 2	DFT-QPSK20M	Left Cheek	372000	1	0	Full	1	1	-	24.0	23.21	0.15	0.264	-	1.199	0.32
	NR n25 / 2	DFT-QPSK20M	Left Cheek	381000	1	0	Full	1	1	-	24.0	23.23	0.18	0.238	-	1.194	0.28
	NR n25 / 2	DFT-QPSK20M	Left Cheek	376500	2	0	Full	1	1	-	24.0	23.25	-0.07	0.248	-	1.189	0.29
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	518598	1	0	Full	1	1	50	26.5	25.39	0.05	0.134	-	1.291	0.17
	NR n41 (PC2)	DFT-QPSK100M	Right Tilted	518598	1	0	Full	1	1	50	26.5	25.39	-0.18	0.131	-	1.291	0.17
	NR n41 (PC2)	DFT-QPSK100M	Left Cheek	518598	1	0	Full	1	1	50	26.5	25.39	-0.16	0.285	-	1.291	0.37
	NR n41 (PC2)	DFT-QPSK100M	Left Tilted	518598	1	0	Full	1	1	50	26.5	25.39	-0.05	0.091	-	1.291	0.12
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	518598	1	0	Full	135	69	50	26.5	24.89	0.19	0.125	-	1.449	0.18
	NR n41 (PC2)	DFT-QPSK100M	Right Tilted	518598	1	0	Full	135	69	50	26.5	24.89	-0.01	0.146	-	1.449	0.21
	NR n41 (PC2)	DFT-QPSK100M	Left Cheek	518598	1	0	Full	135	69	50	26.5	24.89	-0.02	0.358	-	1.449	0.52
	NR n41 (PC2)	DFT-QPSK100M	Left Tilted	518598	1	0	Full	135	69	50	26.5	24.89	-0.19	0.101	-	1.449	0.15
	NR n41 (PC2)	DFT-QPSK100M	Left Cheek	518598	2	0	Full	135	69	50	26.5	24.89	-0.05	0.295	-	1.449	0.43
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	518598	1	2	Reduce	1	1	50	22.5	21.52	-0.07	0.819	-	1.253	1.03
	NR n41 (PC2)	DFT-QPSK100M	Right Tilted	518598	1	2	Reduce	1	1	50	22.5	21.52	-0.01	0.459	-	1.253	0.58
	NR n41 (PC2)	DFT-QPSK100M	Left Cheek	518598	1	2	Reduce	1	1	50	22.5	21.52	0.15	0.215	-	1.253	0.27
	NR n41 (PC2)	DFT-QPSK100M	Left Tilted	518598	1	2	Reduce	1	1	50	22.5	21.52	-0.16	0.171	-	1.253	0.21
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	518598	1	2	Reduce	135	69	50	22.5	20.90	-0.18	0.717	-	1.445	1.04
	NR n41 (PC2)	DFT-QPSK100M	Right Tilted	518598	1	2	Reduce	135	69	50	22.5	20.90	-0.02	0.337	-	1.445	0.49

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n41 (PC2)	DFT-QPSK100M	Left Cheek	518598	1	2	Reduce	135	69	50	22.5	20.90	-0.07	0.198	-	1.445	0.29
	NR n41 (PC2)	DFT-QPSK100M	Left Tilted	518598	1	2	Reduce	135	69	50	22.5	20.90	-0.01	0.158	-	1.445	0.23
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	509202	1	2	Reduce	1	1	50	22.5	21.49	0.02	0.872	-	1.262	1.10
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	528000	1	2	Reduce	1	1	50	22.5	21.42	-0.06	0.729	-	1.282	0.93
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	509202	1	2	Reduce	135	69	50	22.5	20.96	-0.02	0.694	-	1.426	0.99
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	528000	1	2	Reduce	135	69	50	22.5	20.85	-0.04	0.525	-	1.462	0.77
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	518598	1	2	Reduce	270	0	50	21.5	20.15	0.00	0.686	-	1.365	0.94
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	509202	2	2	Reduce	1	1	50	22.5	21.49	0.04	0.805	-	1.262	1.02
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	518598	2	2	Reduce	1	1	50	22.5	21.52	0.14	0.742	-	1.253	0.93
	NR n41 (PC2)	DFT-QPSK100M	Right Cheek	528000	2	2	Reduce	1	1	50	22.5	21.42	-0.06	0.738	-	1.282	0.95
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	528000	1	0+2	Reduce	1	1	50	24.0	22.93	-0.05	0.801	-	1.279	1.02
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Tilted	528000	1	0+2	Reduce	1	1	50	24.0	22.93	-0.02	0.522	-	1.279	0.67
	NR n41 MIMO (PC2)	CP-QPSK100M	Left Cheek	528000	1	0+2	Reduce	1	1	50	24.0	22.93	-0.01	0.272	-	1.279	0.35
	NR n41 MIMO (PC2)	CP-QPSK100M	Left Tilted	528000	1	0+2	Reduce	1	1	50	24.0	22.93	-0.07	0.241	-	1.279	0.31
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	528000	1	0+2	Reduce	137	68	50	24.0	22.65	0.15	0.657	-	1.365	0.90
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Tilted	528000	1	0+2	Reduce	137	68	50	24.0	22.65	0.08	0.494	-	1.365	0.67
	NR n41 MIMO (PC2)	CP-QPSK100M	Left Cheek	528000	1	0+2	Reduce	137	68	50	24.0	22.65	-0.12	0.241	-	1.365	0.33
	NR n41 MIMO (PC2)	CP-QPSK100M	Left Tilted	528000	1	0+2	Reduce	137	68	50	24.0	22.65	0.00	0.265	-	1.365	0.36
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	509202	1	0+2	Reduce	1	1	50	24.0	22.67	0.02	0.803	-	1.358	1.09
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	518598	1	0+2	Reduce	1	1	50	24.0	22.78	-0.09	0.788	-	1.324	1.04
P16	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	509202	1	0+2	Reduce	137	68	50	24.0	22.36	-0.05	0.768	-	1.459	1.12
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	518598	1	0+2	Reduce	137	68	50	24.0	22.47	0.01	0.767	-	1.422	1.09
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	528000	1	0+2	Reduce	273	0	50	22.0	21.05	-0.15	0.791	-	1.245	0.98
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	528000	2	0+2	Reduce	137	68	50	24.0	22.65	-0.09	0.633	-	1.365	0.86
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	509202	2	0+2	Reduce	137	68	50	24.0	22.36	0.17	0.702	-	1.459	1.02
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Cheek	518598	2	0+2	Reduce	137	68	50	24.0	22.47	0.16	0.694	-	1.422	0.99
	NR n66	DFT-QPSK30M	Right Cheek	349000	1	0	Full	1	1	-	24.0	23.31	-0.19	0.123	-	1.172	0.14
	NR n66	DFT-QPSK30M	Right Tilted	349000	1	0	Full	1	1	-	24.0	23.31	-0.13	0.089	-	1.172	0.10
	NR n66	DFT-QPSK30M	Left Cheek	349000	1	0	Full	1	1	-	24.0	23.31	0.05	0.247	-	1.172	0.29
	NR n66	DFT-QPSK30M	Left Tilted	349000	1	0	Full	1	1	-	24.0	23.31	-0.01	0.096	-	1.172	0.11
	NR n66	DFT-QPSK30M	Right Cheek	349000	1	0	Full	80	0	-	24.0	23.20	-0.15	0.124	-	1.202	0.15
	NR n66	DFT-QPSK30M	Right Tilted	349000	1	0	Full	80	0	-	24.0	23.20	-0.10	0.083	-	1.202	0.10
	NR n66	DFT-QPSK30M	Left Cheek	349000	1	0	Full	80	0	-	24.0	23.20	-0.12	0.291	-	1.202	0.35
	NR n66	DFT-QPSK30M	Left Tilted	349000	1	0	Full	80	0	-	24.0	23.20	0.04	0.101	-	1.202	0.12
	NR n66	DFT-QPSK30M	Left Cheek	345000	1	0	Full	80	0	-	24.0	23.12	0.05	0.253	-	1.225	0.31
	NR n66	DFT-QPSK30M	Left Cheek	353000	1	0	Full	80	0	-	24.0	23.14	0.08	0.249	-	1.219	0.30
	NR n66	DFT-QPSK30M	Left Cheek	349000	2	0	Full	80	0	-	24.0	23.20	0.17	0.270	-	1.202	0.32
	NR n66	DFT-QPSK30M	Right Cheek	349000	1	2	Reduce	1	1	-	13.5	12.99	-0.19	0.749	-	1.125	0.84
	NR n66	DFT-QPSK30M	Right Tilted	349000	1	2	Reduce	1	1	-	13.5	12.99	0.08	0.472	-	1.125	0.53
	NR n66	DFT-QPSK30M	Left Cheek	349000	1	2	Reduce	1	1	-	13.5	12.99	0.10	0.256	-	1.125	0.29
	NR n66	DFT-QPSK30M	Left Tilted	349000	1	2	Reduce	1	1	-	13.5	12.99	0.16	0.184	-	1.125	0.21
	NR n66	DFT-QPSK30M	Right Cheek	349000	1	2	Reduce	80	0	-	13.5	12.94	0.18	0.710	-	1.138	0.81
	NR n66	DFT-QPSK30M	Right Tilted	349000	1	2	Reduce	80	0	-	13.5	12.94	-0.10	0.472	-	1.138	0.54
	NR n66	DFT-QPSK30M	Left Cheek	349000	1	2	Reduce	80	0	-	13.5	12.94	0.03	0.265	-	1.138	0.30
	NR n66	DFT-QPSK30M	Left Tilted	349000	1	2	Reduce	80	0	-	13.5	12.94	0.03	0.185	-	1.138	0.21
	NR n66	DFT-QPSK30M	Right Cheek	345000	1	2	Reduce	1	1	-	13.5	12.76	0.05	0.680	-	1.186	0.81
	NR n66	DFT-QPSK30M	Right Cheek	353000	1	2	Reduce	1	1	-	13.5	12.95	0.09	0.720	-	1.135	0.82
	NR n66	DFT-QPSK30M	Right Cheek	345000	1	2	Reduce	80	0	-	13.5	12.86	0.08	0.687	-	1.159	0.80
P17	NR n66	DFT-QPSK30M	Right Cheek	353000	1	2	Reduce	80	0	-	13.5	12.79	0.03	0.724	-	1.178	0.85
	NR n66	DFT-QPSK30M	Right Cheek	349000	1	2	Reduce	160	0	-	13.5	12.81	-0.14	0.707	-	1.172	0.83



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FCC SAR Test Report



Certificate #6613.01

Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n66	DFT-QPSK30M	Right Cheek	353000	2	2	Reduce	80	0	-	13.5	12.94	-0.03	0.697	-	1.138	0.79
	NR n71	DFT-QPSK20M	Right Cheek	134600	1	0	Full	1	1	-	24.0	23.27	-0.18	0.092	-	1.183	0.11
	NR n71	DFT-QPSK20M	Right Tilted	134600	1	0	Full	1	1	-	24.0	23.27	0.01	0.000	-	1.183	0.00
P18	NR n71	DFT-QPSK20M	Left Cheek	134600	1	0	Full	1	1	-	24.0	23.27	0.06	0.120	-	1.183	0.14
	NR n71	DFT-QPSK20M	Left Tilted	134600	1	0	Full	1	1	-	24.0	23.27	-0.04	0.047	-	1.183	0.06
	NR n71	DFT-QPSK20M	Right Cheek	134600	1	0	Full	50	28	-	24.0	23.08	0.04	0.086	-	1.236	0.11
	NR n71	DFT-QPSK20M	Right Tilted	134600	1	0	Full	50	28	-	24.0	23.08	-0.07	0.000	-	1.236	0.00
	NR n71	DFT-QPSK20M	Left Cheek	134600	1	0	Full	50	28	-	24.0	23.08	0.08	0.097	-	1.236	0.12
	NR n71	DFT-QPSK20M	Left Tilted	134600	1	0	Full	50	28	-	24.0	23.08	-0.12	0.047	-	1.236	0.06
	NR n71	DFT-QPSK20M	Left Cheek	136100	1	0	Full	1	1	-	24.0	23.19	0.13	0.092	-	1.205	0.11
	NR n71	DFT-QPSK20M	Left Cheek	137600	1	0	Full	1	1	-	24.0	23.14	0.00	0.089	-	1.219	0.11
	NR n71	DFT-QPSK20M	Left Cheek	134600	2	0	Full	1	1	-	24.0	23.27	0.01	0.101	-	1.183	0.12
	NR n77 / 78 (PC2)	DFT-QPSK100M	Right Cheek	633334	1	7	Reduce	1	1	50	24.0	23.31	-0.04	0.513	-	1.172	0.60
	NR n77 / 78 (PC2)	DFT-QPSK100M	Right Tilted	633334	1	7	Reduce	1	1	50	24.0	23.31	-0.03	0.090	-	1.172	0.11
	NR n77 / 78 (PC2)	DFT-QPSK100M	Left Cheek	633334	1	7	Reduce	1	1	50	24.0	23.31	0.13	0.261	-	1.172	0.31
	NR n77 / 78 (PC2)	DFT-QPSK100M	Left Tilted	633334	1	7	Reduce	1	1	50	24.0	23.31	0.04	0.203	-	1.172	0.24
	NR n77 / 78 (PC2)	DFT-QPSK100M	Right Cheek	633334	1	7	Reduce	135	69	50	24.0	22.93	-0.02	0.503	-	1.279	0.64
	NR n77 / 78 (PC2)	DFT-QPSK100M	Right Tilted	633334	1	7	Reduce	135	69	50	24.0	22.93	-0.09	0.100	-	1.279	0.13
	NR n77 / 78 (PC2)	DFT-QPSK100M	Left Cheek	633334	1	7	Reduce	135	69	50	24.0	22.93	-0.07	0.255	-	1.279	0.33
	NR n77 / 78 (PC2)	DFT-QPSK100M	Left Tilted	633334	1	7	Reduce	135	69	50	24.0	22.93	-0.09	0.207	-	1.279	0.26
	NR n77 / 78 (PC2)	DFT-QPSK100M	Right Cheek	633334	1	7	Reduce	270	0	50	24.0	22.52	-0.07	0.482	-	1.406	0.68
	NR n77 / 78 (PC2)	DFT-QPSK100M	Right Cheek	633334	2	7	Reduce	270	0	50	24.0	22.52	0.18	0.421	-	1.406	0.59
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Right Cheek	633334	1	1+7	Reduce	1	1	50	22.5	21.57	0.13	0.405	-	1.239	0.50
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Right Tilted	633334	1	1+7	Reduce	1	1	50	22.5	21.57	-0.04	0.101	-	1.239	0.13
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Left Cheek	633334	1	1+7	Reduce	1	1	50	22.5	21.57	0.19	0.212	-	1.239	0.26
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Left Tilted	633334	1	1+7	Reduce	1	1	50	22.5	21.57	-0.07	0.159	-	1.239	0.20
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Right Cheek	633334	1	1+7	Reduce	137	68	50	22.5	21.22	-0.17	0.385	-	1.343	0.52
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Right Tilted	633334	1	1+7	Reduce	137	68	50	22.5	21.22	0.05	0.076	-	1.343	0.10
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Left Cheek	633334	1	1+7	Reduce	137	68	50	22.5	21.22	0.00	0.194	-	1.343	0.26
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Left Tilted	633334	1	1+7	Reduce	137	68	50	22.5	21.22	-0.03	0.157	-	1.343	0.21
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Right Cheek	633334	1	1+7	Reduce	273	0	50	20.5	19.96	0.12	0.313	-	1.132	0.35
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Right Cheek	633334	2	1+7	Reduce	137	68	50	22.5	21.22	-0.04	0.346	-	1.343	0.46
P19	NR n77 (PC2)	DFT-QPSK100M	Right Cheek	656000	1	7	Reduce	1	1	50	24.0	23.83	0.05	0.913	-	1.040	0.95
	NR n77 (PC2)	DFT-QPSK100M	Right Tilted	656000	1	7	Reduce	1	1	50	24.0	23.83	-0.19	0.136	-	1.040	0.14
	NR n77 (PC2)	DFT-QPSK100M	Left Cheek	656000	1	7	Reduce	1	1	50	24.0	23.83	0.13	0.344	-	1.040	0.36
	NR n77 (PC2)	DFT-QPSK100M	Left Tilted	656000	1	7	Reduce	1	1	50	24.0	23.83	-0.12	0.246	-	1.040	0.26
	NR n77 (PC2)	DFT-QPSK100M	Right Cheek	656000	1	7	Reduce	135	69	50	24.0	23.62	0.13	0.673	-	1.091	0.73
	NR n77 (PC2)	DFT-QPSK100M	Right Tilted	656000	1	7	Reduce	135	69	50	24.0	23.62	-0.01	0.121	-	1.091	0.13
	NR n77 (PC2)	DFT-QPSK100M	Left Cheek	656000	1	7	Reduce	135	69	50	24.0	23.62	-0.15	0.328	-	1.091	0.36
	NR n77 (PC2)	DFT-QPSK100M	Left Tilted	656000	1	7	Reduce	135	69	50	24.0	23.62	0.18	0.217	-	1.091	0.24
	NR n77 (PC2)	DFT-QPSK100M	Right Cheek	650000	1	7	Reduce	1	1	50	24.0	23.28	-0.02	0.644	-	1.180	0.76
	NR n77 (PC2)	DFT-QPSK100M	Right Cheek	662000	1	7	Reduce	1	1	50	24.0	23.41	0.12	0.671	-	1.146	0.77
	NR n77 (PC2)	DFT-QPSK100M	Right Cheek	656000	1	7	Reduce	270	0	50	24.0	23.35	-0.05	0.697	-	1.161	0.81
	NR n77 (PC2)	DFT-QPSK100M	Right Cheek	656000	2	7	Reduce	1	1	50	24.0	23.83	0.07	0.866	-	1.040	0.90
	NR n77 (PC2)	DFT-QPSK100M	Right Cheek	650000	2	7	Reduce	1	1	50	24.0	23.28	-0.11	0.741	-	1.180	0.87

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FCC SAR Test Report



Certificate #6613.01

Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n77 (PC2)	DFT-QPSK100M	Right Cheek	662000	2	7	Reduce	1	1	50	24.0	23.41	0.06	0.787	-	1.146	0.90
	NR n77 MIMO (PC2)	CP-QPSK100M	Right Cheek	650000	1	1+7	Reduce	1	1	50	22.5	21.53	-0.05	0.588	-	1.250	0.74
	NR n77 MIMO (PC2)	CP-QPSK100M	Right Tilted	650000	1	1+7	Reduce	1	1	50	22.5	21.53	-0.03	0.098	-	1.250	0.12
	NR n77 MIMO (PC2)	CP-QPSK100M	Left Cheek	650000	1	1+7	Reduce	1	1	50	22.5	21.53	-0.07	0.236	-	1.250	0.30
	NR n77 MIMO (PC2)	CP-QPSK100M	Left Tilted	650000	1	1+7	Reduce	1	1	50	22.5	21.53	0.18	0.192	-	1.250	0.24
	NR n77 MIMO (PC2)	CP-QPSK100M	Right Cheek	650000	1	1+7	Reduce	137	68	50	22.5	21.43	-0.01	0.405	-	1.279	0.52
	NR n77 MIMO (PC2)	CP-QPSK100M	Right Tilted	650000	1	1+7	Reduce	137	68	50	22.5	21.43	0.10	0.069	-	1.279	0.09
	NR n77 MIMO (PC2)	CP-QPSK100M	Left Cheek	650000	1	1+7	Reduce	137	68	50	22.5	21.43	0.17	0.191	-	1.279	0.24
	NR n77 MIMO (PC2)	CP-QPSK100M	Left Tilted	650000	1	1+7	Reduce	137	68	50	22.5	21.43	0.16	0.127	-	1.279	0.16
	NR n77 MIMO (PC2)	CP-QPSK100M	Right Cheek	650000	2	1+7	Reduce	1	1	50	22.5	21.53	-0.05	0.523	-	1.250	0.65
	WLAN2.4G	802.11b	Right Cheek	6	1	6	Full	-	-	99.93	13.0	12.52	0.02	0.148	1.001	1.117	0.17
	WLAN2.4G	802.11b	Right Tilted	6	1	6	Full	-	-	99.93	13.0	12.52	-0.05	0.071	1.001	1.117	0.08
	WLAN2.4G	802.11b	Left Cheek	6	1	6	Full	-	-	99.93	13.0	12.52	0.00	0.274	1.001	1.117	0.31
	WLAN2.4G	802.11b	Left Tilted	6	1	6	Full	-	-	99.93	13.0	12.52	-0.04	0.130	1.001	1.117	0.15
	WLAN2.4G	802.11b	Left Cheek	1	1	6	Full	-	-	99.93	13.0	12.02	0.01	0.137	1.001	1.253	0.17
	WLAN2.4G	802.11b	Left Cheek	11	1	6	Full	-	-	99.93	13.0	12.21	0.11	0.195	1.001	1.199	0.23
	WLAN2.4G	802.11b	Left Cheek	6	2	6	Full	-	-	99.93	13.0	12.52	-0.14	0.246	1.001	1.117	0.27
	WLAN2.4G	802.11b	Right Cheek	1	1	8	Full	-	-	99.93	13.0	12.37	-0.19	0.000	1.001	1.156	0.00
	WLAN2.4G	802.11b	Right Tilted	1	1	8	Full	-	-	99.93	13.0	12.37	-0.03	0.000	1.001	1.156	0.00
	WLAN2.4G	802.11b	Left Cheek	1	1	8	Full	-	-	99.93	13.0	12.37	-0.06	0.084	1.001	1.156	0.10
	WLAN2.4G	802.11b	Left Tilted	1	1	8	Full	-	-	99.93	13.0	12.37	0.09	0.000	1.001	1.156	0.00
	WLAN2.4G	802.11b	Left Cheek	6	1	8	Full	-	-	99.93	13.0	12.22	0.09	0.081	1.001	1.197	0.10
	WLAN2.4G	802.11b	Left Cheek	11	1	8	Full	-	-	99.93	13.0	11.83	0.01	0.072	1.001	1.309	0.09
	WLAN2.4G	802.11b	Left Cheek	1	2	8	Full	-	-	99.93	13.0	12.37	-0.04	0.081	1.001	1.156	0.09
	WLAN2.4G	802.11b	Right Cheek	6	1	6+8	Full	-	-	99.93	16.0	15.50	0.09	0.125	1.001	1.122	0.14
	WLAN2.4G	802.11b	Right Tilted	6	1	6+8	Full	-	-	99.93	16.0	15.50	0.10	0.073	1.001	1.122	0.08
P20	WLAN2.4G	802.11b	Left Cheek	6	1	6+8	Full	-	-	99.93	16.0	15.50	-0.09	0.301	1.001	1.122	0.34
	WLAN2.4G	802.11b	Left Tilted	6	1	6+8	Full	-	-	99.93	16.0	15.50	-0.01	0.116	1.001	1.122	0.13
	WLAN2.4G	802.11b	Left Cheek	1	1	6+8	Full	-	-	99.93	16.0	15.39	-0.16	0.140	1.001	1.151	0.16
	WLAN2.4G	802.11b	Left Cheek	11	1	6+8	Full	-	-	99.93	16.0	15.23	0.18	0.200	1.001	1.194	0.24
	WLAN2.4G	802.11b	Left Cheek	6	2	6+8	Full	-	-	99.93	16.0	15.50	-0.11	0.261	1.001	1.122	0.29
	WLAN5.3G	802.11ax40	Right Cheek	62	1	6	Full	-	-	99.63	15.0	14.24	-0.09	0.067	1.004	1.191	0.08
	WLAN5.3G	802.11ax40	Right Tilted	62	1	6	Full	-	-	99.63	15.0	14.24	0.16	0.061	1.004	1.191	0.07
P21	WLAN5.3G	802.11ax40	Left Cheek	62	1	6	Full	-	-	99.63	15.0	14.24	-0.01	0.203	1.004	1.191	0.24
	WLAN5.3G	802.11ax40	Left Tilted	62	1	6	Full	-	-	99.63	15.0	14.24	-0.09	0.121	1.004	1.191	0.14
	WLAN5.3G	802.11ax40	Left Cheek	54	1	6	Full	-	-	99.63	15.0	14.10	0.05	0.177	1.004	1.230	0.22
	WLAN5.3G	802.11ax40	Left Cheek	62	2	6	Full	-	-	99.63	15.0	14.24	0.04	0.176	1.004	1.191	0.21
	WLAN5.3G	802.11ax40	Right Cheek	62	1	8	Full	-	-	99.63	15.0	14.15	-0.05	0.025	1.004	1.216	0.03
	WLAN5.3G	802.11ax40	Right Tilted	62	1	8	Full	-	-	99.63	15.0	14.15	0.07	0.018	1.004	1.216	0.02
	WLAN5.3G	802.11ax40	Left Cheek	62	1	8	Full	-	-	99.63	15.0	14.15	0.05	0.035	1.004	1.216	0.04
	WLAN5.3G	802.11ax40	Left Tilted	62	1	8	Full	-	-	99.63	15.0	14.15	-0.18	0.024	1.004	1.216	0.03
	WLAN5.3G	802.11ax40	Left Cheek	54	1	8	Full	-	-	99.63	15.0	13.98	0.07	0.056	1.004	1.265	0.07
	WLAN5.3G	802.11ax40	Left Cheek	54	2	8	Full	-	-	99.63	15.0	13.98	0.00	0.031	1.004	1.265	0.04
	WLAN5.3G	802.11ax40	Right Cheek	62	1	6+8	Full	-	-	99.63	17.5	16.76	0.00	0.056	1.004	1.186	0.07
	WLAN5.3G	802.11ax40	Right Tilted	62	1	6+8	Full	-	-	99.63	17.5	16.76	0.08	0.055	1.004	1.186	0.07
	WLAN5.3G	802.11ax40	Left Cheek	62	1	6+8	Full	-	-	99.63	17.5	16.76	-0.11	0.096	1.004	1.186	0.11
	WLAN5.3G	802.11ax40	Left Tilted	62	1	6+8	Full	-	-	99.63	17.5	16.76	0.05	0.095	1.004	1.186	0.11
	WLAN5.3G	802.11ax40	Left Cheek	54	1	6+8	Full	-	-	99.63	17.5	16.70	-0.12	0.194	1.004	1.202	0.23
	WLAN5.3G	802.11ax40	Left Cheek	54	2	6+8	Full	-	-	99.63	17.5	16.70	-0.18	0.101	1.004	1.202	0.12
	WLAN5.5G	802.11ax40	Right Cheek	134	1	6	Full	-	-	99.63	15.0	14.25	0.10	0.083	1.004	1.189	0.10
	WLAN5.5G	802.11ax40	Right Tilted	134	1	6	Full	-	-	99.63	15.0	14.25	0.17	0.073	1.004	1.189	0.09
	WLAN5.5G	802.11ax40	Left Cheek	134	1	6	Full	-	-	99.63	15.0	14.25	-0.03	0.105	1.004	1.189	0.13
	WLAN5.5G	802.11ax40	Left Tilted	134	1	6	Full	-	-	99.63	15.0	14.25	0.18	0.101	1.004	1.189	0.12
P22	WLAN5.5G	802.11ax40	Left Cheek	102	1	6	Full	-	-	99.63	15.0	14.16	0.01	0.307	1.004	1.213	0.37
	WLAN5.5G	802.11ax40	Left Cheek	110	1	6	Full	-	-	99.63	15.0	14.14	0.12	0.218	1.004	1.219	0.27
	WLAN5.5G	802.11ax40	Left Cheek	142	1	6	Full	-	-	99.63	15.0	13.94	0.01	0.143	1.004	1.276	0.18
	WLAN5.5G	802.11ax40	Left Cheek	102	2	6	Full	-	-	99.63	15.0	14.16	-0.02	0.207	1.004	1.213	0.25
	WLAN5.5G	802.11ax40	Right Cheek	134	1	8	Full	-	-	99.63	15.0	14.59	-0.15	0.000	1.004	1.099	0.00
	WLAN5.5G	802.11ax40	Right Tilted	134	1	8	Full	-	-	99.63	15.0	14.59	0.05	0.013	1.004	1.099	0.01
	WLAN5.5G	802.11ax40	Left Cheek	134	1	8	Full	-	-	99.63	15.0	14.59	0.18	0.022	1.004	1.099	0.02
	WLAN5.5G	802.11ax40	Left Tilted	134	1	8	Full	-	-	99.63	15.0	14.59	-0.02	0.000	1.004	1.099	0.00

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	WLAN5.5G	802.11ax40	Left Cheek	102	1	8	Full	-	-	99.63	15.0	14.42	-0.17	0.023	1.004	1.143	0.03
	WLAN5.5G	802.11ax40	Left Cheek	110	1	8	Full	-	-	99.63	15.0	14.41	-0.17	0.027	1.004	1.146	0.03
	WLAN5.5G	802.11ax40	Left Cheek	142	1	8	Full	-	-	99.63	15.0	14.34	-0.11	0.031	1.004	1.164	0.04
	WLAN5.5G	802.11ax40	Left Cheek	142	2	8	Full	-	-	99.63	15.0	14.34	0.07	0.024	1.004	1.164	0.03
	WLAN5.5G	802.11ax40	Right Cheek	102	1	6+8	Full	-	-	99.63	18.0	17.47	0.19	0.074	1.004	1.130	0.08
	WLAN5.5G	802.11ax40	Right Tilted	102	1	6+8	Full	-	-	99.63	18.0	17.47	-0.06	0.076	1.004	1.130	0.09
	WLAN5.5G	802.11ax40	Left Cheek	102	1	6+8	Full	-	-	99.63	18.0	17.47	-0.10	0.135	1.004	1.130	0.15
	WLAN5.5G	802.11ax40	Left Tilted	102	1	6+8	Full	-	-	99.63	18.0	17.47	-0.04	0.123	1.004	1.130	0.14
	WLAN5.5G	802.11ax40	Left Cheek	110	1	6+8	Full	-	-	99.63	18.0	17.29	0.08	0.264	1.004	1.178	0.31
	WLAN5.5G	802.11ax40	Left Cheek	134	1	6+8	Full	-	-	99.63	18.0	17.03	-0.10	0.152	1.004	1.250	0.19
	WLAN5.5G	802.11ax40	Left Cheek	142	1	6+8	Full	-	-	99.63	18.0	17.16	0.09	0.134	1.004	1.213	0.16
	WLAN5.5G	802.11ax40	Left Cheek	110	2	6+8	Full	-	-	99.63	18.0	17.29	0.14	0.225	1.004	1.178	0.27
	WLAN5.8G	802.11ax40	Right Cheek	159	1	6	Full	-	-	99.63	15.0	14.12	0.10	0.107	1.004	1.225	0.13
	WLAN5.8G	802.11ax40	Right Tilted	159	1	6	Full	-	-	99.63	15.0	14.12	-0.07	0.109	1.004	1.225	0.13
P23	WLAN5.8G	802.11ax40	Left Cheek	159	1	6	Full	-	-	99.63	15.0	14.12	-0.04	0.239	1.004	1.225	0.29
	WLAN5.8G	802.11ax40	Left Tilted	159	1	6	Full	-	-	99.63	15.0	14.12	-0.17	0.161	1.004	1.225	0.20
	WLAN5.8G	802.11ax40	Left Cheek	151	1	6	Full	-	-	99.63	15.0	13.78	0.00	0.153	1.004	1.324	0.20
	WLAN5.8G	802.11ax40	Left Cheek	159	2	6	Full	-	-	99.63	15.0	14.12	0.17	0.204	1.004	1.225	0.25
	WLAN5.8G	802.11ax40	Right Cheek	159	1	8	Full	-	-	99.63	16.0	15.40	0.03	0.062	1.004	1.148	0.07
	WLAN5.8G	802.11ax40	Right Tilted	159	1	8	Full	-	-	99.63	16.0	15.40	-0.07	0.042	1.004	1.148	0.05
	WLAN5.8G	802.11ax40	Left Cheek	159	1	8	Full	-	-	99.63	16.0	15.40	0.04	0.068	1.004	1.148	0.08
	WLAN5.8G	802.11ax40	Left Tilted	159	1	8	Full	-	-	99.63	16.0	15.40	0.13	0.000	1.004	1.148	0.00
	WLAN5.8G	802.11ax40	Left Cheek	151	1	8	Full	-	-	99.63	15.0	14.37	0.04	0.057	1.004	1.156	0.07
	WLAN5.8G	802.11ax40	Left Cheek	159	2	8	Full	-	-	99.63	16.0	15.40	0.10	0.051	1.004	1.148	0.06
	WLAN5.8G	802.11ax40	Right Cheek	151	1	6+8	Full	-	-	99.63	18.0	17.23	-0.13	0.074	1.004	1.194	0.09
	WLAN5.8G	802.11ax40	Right Tilted	151	1	6+8	Full	-	-	99.63	18.0	17.23	0.18	0.064	1.004	1.194	0.08
	WLAN5.8G	802.11ax40	Left Cheek	151	1	6+8	Full	-	-	99.63	18.0	17.23	-0.01	0.087	1.004	1.194	0.10
	WLAN5.8G	802.11ax40	Left Tilted	151	1	6+8	Full	-	-	99.63	18.0	17.23	0.14	0.078	1.004	1.194	0.09
	WLAN5.8G	802.11ax40	Left Cheek	159	1	6+8	Full	-	-	99.63	18.0	17.09	-0.16	0.157	1.004	1.233	0.19
	WLAN5.8G	802.11ax40	Left Cheek	159	2	6+8	Full	-	-	99.63	18.0	17.09	-0.05	0.149	1.004	1.233	0.18
	BT	GFSK	Right Cheek	39	1	6	Full	-	-	78.5	9.0	8.50	0.07	0.000	1.274	1.122	0.00
	BT	GFSK	Right Tilted	39	1	6	Full	-	-	78.5	9.0	8.50	0.08	0.000	1.274	1.122	0.00
P24	BT	GFSK	Left Cheek	39	1	6	Full	-	-	78.5	9.0	8.50	0.08	0.010	1.274	1.122	0.02
	BT	GFSK	Left Tilted	39	1	6	Full	-	-	78.5	9.0	8.50	-0.01	0.000	1.274	1.122	0.00
	BT	GFSK	Left Cheek	0	1	6	Full	-	-	78.5	9.0	7.75	-0.04	0.007	1.274	1.334	0.01
	BT	GFSK	Left Cheek	78	1	6	Full	-	-	78.5	9.0	7.95	0.00	0.008	1.274	1.274	0.01
	BT	GFSK	Left Cheek	39	2	6	Full	-	-	78.5	9.0	8.50	-0.01	0.009	1.274	1.122	0.01

Refer to KDB 616217D04 Section 6.2, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance. The verification data is as follows:

Plot No.	Band	Mode	Test Position	Ch.	Separation Distance (cm)	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 2	QPSK20M	Front Face	19100	2.4	1	2	Full	1	99	-	24.0	22.60	0.01	0.423	-	1.380	0.58
	LTE 30	QPSK20M	Front Face	27710	2.4	1	2	Full	1	0	-	23.0	22.28	0.12	0.167	-	1.180	0.20
	LTE 66	QPSK20M	Front Face	132572	2.4	1	2	Full	1	50	-	24.0	22.81	0.15	0.332	-	1.315	0.44
	NR n2	DFT-QPSK20M	Front Face	380000	2.4	1	2	Full	1	1	-	24.0	23.03	0.07	0.441	-	1.250	0.55
	NR n66	DFT-QPSK30M	Front Face	349000	2.4	1	2	Full	1	1	-	24.0	23.25	0.02	0.341	-	1.189	0.41

Note: Verification SAR for other frequency bands is not necessary because the test results in Section 4.6.3 are more conservative at the same power level, smaller test distance.

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4.6.3 SAR Results for Body-worn Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 2	QPSK20M	Front Face	19100	1	2	Reduce	1	99	-	16.0	14.57	-0.02	0.394	-	1.390	0.55
	LTE 2	QPSK20M	Rear Face	19100	1	2	Reduce	1	99	-	16.0	14.57	-0.11	0.093	-	1.390	0.13
	LTE 2	QPSK20M	Front Face	19100	1	2	Reduce	50	50	-	15.0	13.78	-0.09	0.395	-	1.324	0.52
	LTE 2	QPSK20M	Rear Face	19100	1	2	Reduce	50	50	-	15.0	13.78	-0.07	0.098	-	1.324	0.13
	LTE 2	QPSK20M	Front Face	18700	1	2	Reduce	1	99	-	16.0	14.40	0.00	0.402	-	1.445	0.58
P25	LTE 2	QPSK20M	Front Face	18900	1	2	Reduce	1	99	-	16.0	14.45	0.06	0.438	-	1.429	0.63
	LTE 2	QPSK20M	Front Face	18900	2	2	Reduce	1	99	-	16.0	14.45	-0.09	0.374	-	1.429	0.53
	LTE 5	QPSK10M	Front Face	20450	1	0	Full	1	0	-	24.0	22.63	-0.06	0.382	-	1.371	0.52
	LTE 5	QPSK10M	Rear Face	20450	1	0	Full	1	0	-	24.0	22.63	-0.01	0.246	-	1.371	0.34
	LTE 5	QPSK10M	Front Face	20450	1	0	Full	25	0	-	23.0	21.63	0.17	0.315	-	1.371	0.43
	LTE 5	QPSK10M	Rear Face	20450	1	0	Full	25	0	-	23.0	21.63	0.04	0.195	-	1.371	0.27
	LTE 5	QPSK10M	Front Face	20525	1	0	Full	1	0	-	24.0	22.41	0.01	0.325	-	1.442	0.47
P26	LTE 5	QPSK10M	Front Face	20600	1	0	Full	1	0	-	24.0	22.07	-0.11	0.361	-	1.560	0.56
	LTE 5B	QPSK10M	Front Face	PCC:20450 SCC:20549	1	0	Full	PCC:1 SCC:1	PCC:49 SCC:0	-	24.0	22.40	-0.19	0.341	-	1.445	0.49
	LTE 5	QPSK10M	Front Face	20600	2	0	Full	1	0	-	24.0	22.07	0.08	0.329	-	1.560	0.51
	LTE 7	QPSK20M	Front Face	20850	1	0	Reduce	1	50	-	22.5	21.72	-0.17	0.329	-	1.197	0.39
	LTE 7	QPSK20M	Rear Face	20850	1	0	Reduce	1	50	-	22.5	21.72	0.12	0.186	-	1.197	0.22
	LTE 7	QPSK20M	Front Face	20850	1	0	Reduce	50	50	-	21.5	20.79	0.08	0.324	-	1.178	0.38
	LTE 7	QPSK20M	Rear Face	20850	1	0	Reduce	50	50	-	21.5	20.79	-0.14	0.204	-	1.178	0.24
	LTE 7	QPSK20M	Front Face	21100	1	0	Reduce	1	50	-	22.5	21.55	0.14	0.470	-	1.245	0.58
	LTE 7	QPSK20M	Front Face	21350	1	0	Reduce	1	50	-	22.5	21.46	-0.01	0.343	-	1.271	0.44
	LTE 7C	QPSK20M	Front Face	PCC:20850 SCC:20148	1	0	Reduce	PCC:1 SCC:1	PCC:99 SCC:0	-	22.5	21.73	-0.02	0.301	-	1.194	0.36
	LTE 7	QPSK20M	Front Face	21100	2	0	Reduce	1	50	-	22.5	21.55	-0.16	0.332	-	1.245	0.41
P27	LTE 7	QPSK20M	Front Face	20850	1	2	Full	1	50	-	24.0	23.56	-0.02	0.566	-	1.107	0.63
	LTE 7	QPSK20M	Rear Face	20850	1	2	Full	1	50	-	24.0	23.56	0.04	0.465	-	1.107	0.51
	LTE 7	QPSK20M	Front Face	20850	1	2	Full	50	50	-	23.0	22.61	-0.06	0.490	-	1.094	0.54
	LTE 7	QPSK20M	Rear Face	20850	1	2	Full	50	50	-	23.0	22.61	-0.03	0.429	-	1.094	0.47
	LTE 7	QPSK20M	Front Face	21100	1	2	Full	1	50	-	24.0	23.33	-0.01	0.479	-	1.167	0.56
	LTE 7	QPSK20M	Front Face	21350	1	2	Full	1	50	-	24.0	23.13	-0.12	0.453	-	1.222	0.55
	LTE 7	QPSK20M	Front Face	20850	2	2	Full	1	50	-	24.0	23.56	-0.04	0.545	-	1.107	0.60
	LTE 12	QPSK10M	Front Face	23060	1	0	Full	1	24	-	24.0	22.43	0.05	0.137	-	1.435	0.20
	LTE 12	QPSK10M	Rear Face	23060	1	0	Full	1	24	-	24.0	22.43	0.19	0.157	-	1.435	0.23
	LTE 12	QPSK10M	Front Face	23060	1	0	Full	25	25	-	23.0	21.37	0.17	0.153	-	1.455	0.22
	LTE 12	QPSK10M	Rear Face	23060	1	0	Full	25	25	-	23.0	21.37	-0.13	0.146	-	1.455	0.21
	LTE 12	QPSK10M	Rear Face	23095	1	0	Full	1	24	-	24.0	22.32	0.06	0.179	-	1.472	0.26
P28	LTE 12	QPSK10M	Rear Face	23130	1	0	Full	1	24	-	24.0	22.34	0.03	0.180	-	1.466	0.26
	LTE 12B	QPSK10M	Rear Face	PCC:23058 SCC:23130	1	0	Full	PCC:1 SCC:1	PCC:24 SCC:0	-	24.0	22.16	0.12	0.132	-	1.528	0.20
	LTE 12	QPSK10M	Rear Face	23130	2	0	Full	1	24	-	24.0	22.34	-0.12	0.103	-	1.466	0.15
P29	LTE 13	QPSK10M	Front Face	23230	1	0	Full	1	24	-	24.0	23.22	-0.01	0.363	-	1.197	0.43
	LTE 13	QPSK10M	Rear Face	23230	1	0	Full	1	24	-	24.0	23.22	0.06	0.243	-	1.197	0.29
	LTE 13	QPSK10M	Front Face	23230	1	0	Full	25	25	-	23.0	22.15	0.09	0.344	-	1.216	0.42
	LTE 13	QPSK10M	Rear Face	23230	1	0	Full	25	25	-	23.0	22.15	0.16	0.203	-	1.216	0.25
	LTE 13	QPSK10M	Front Face	23230	2	0	Full	1	24	-	24.0	23.22	0.19	0.323	-	1.197	0.39
P30	LTE 14	QPSK10M	Front Face	23330	1	0	Full	1	24	-	24.0	23.31	-0.06	0.368	-	1.172	0.43
	LTE 14	QPSK10M	Rear Face	23330	1	0	Full	1	24	-	24.0	23.31	0.01	0.219	-	1.172	0.26
	LTE 14	QPSK10M	Front Face	23330	1	0	Full	25	0	-	23.0	22.26	-0.17	0.334	-	1.186	0.40
	LTE 14	QPSK10M	Rear Face	23330	1	0	Full	25	0	-	23.0	22.26	0.03	0.199	-	1.186	0.24
	LTE 14	QPSK10M	Front Face	23330	2	0	Full	1	24	-	24.0	23.31	-0.09	0.312	-	1.172	0.37
P31	LTE 25 / 2	QPSK20M	Front Face	26590	1	0	Reduce	1	50	-	22.5	21.67	0.09	0.419	-	1.211	0.51
	LTE 25 / 2	QPSK20M	Rear Face	26590	1	0	Reduce	1	50	-	22.5	21.67	-0.12	0.238	-	1.211	0.29
	LTE 25 / 2	QPSK20M	Front Face	26590	1	0	Reduce	50	50	-	21.5	20.87	0.17	0.379	-	1.156	0.44
	LTE 25 / 2	QPSK20M	Rear Face	26590	1	0	Reduce	50	50	-	21.5	20.87	-0.12	0.220	-	1.156	0.25
	LTE 25 / 2	QPSK20M	Front Face	26140	1	0	Reduce	1	50	-	22.5	21.44	-0.03	0.330	-	1.276	0.42
	LTE 25 / 2	QPSK20M	Front Face	26340	1	0	Reduce	1	50	-	22.5	21.53	0.09	0.344	-	1.250	0.43
	LTE 2C	QPSK20M	Front Face	PCC:18700 SCC:18898	1	0	Reduce	PCC:1 SCC:1	PCC:99 SCC:0	-	22.5	21.14	0.13	0.342	-	1.368	0.47
	LTE 25 / 2	QPSK20M	Front Face	26590	2	0	Reduce	1	50	-	22.5	21.67	0.11	0.385	-	1.211	0.47
	LTE 26	QPSK15M	Front Face	26765	1	0	Full	1	0	-	24.0	22.77	0.05	0.387	-	1.327	0.51
	LTE 26	QPSK15M	Rear Face	26765	1	0	Full	1	0	-	24.0	22.77	-0.02	0.241	-	1.327	0.32
	LTE 26	QPSK15M	Front Face	26765	1	0	Full	36	0	-	23.0	21.84	-0.18	0.313	-	1.306	0.41
	LTE 26	QPSK15M	Rear Face	26765	1	0	Full	36	0	-	23.0	21.84	0.06	0.187	-	1.306	0.24
	LTE 26	QPSK15M	Front Face	26865	1	0	Full	1	0	-	24.0	22.51	0.12	0.379	-	1.409	0.53
P32	LTE 26	QPSK15M	Front Face	26965	1	0	Full	1	0	-	24.0	22.37	-0.17	0.370	-	1.455	0.54

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 26	QPSK15M	Front Face	26965	2	0	Full	1	0	-	24.0	22.37	-0.01	0.357	-	1.455	0.52
	LTE 30	QPSK10M	Front Face	27710	1	0	Reduce	1	0	-	21.0	20.59	-0.12	0.486	-	1.099	0.53
	LTE 30	QPSK10M	Rear Face	27710	1	0	Reduce	1	0	-	21.0	20.59	-0.06	0.190	-	1.099	0.21
	LTE 30	QPSK10M	Front Face	27710	1	0	Reduce	25	0	-	20.0	19.47	0.04	0.383	-	1.130	0.43
	LTE 30	QPSK10M	Rear Face	27710	1	0	Reduce	25	0	-	20.0	19.47	0.00	0.202	-	1.130	0.23
	LTE 30	QPSK10M	Front Face	27710	2	0	Reduce	1	0	-	21.0	20.59	-0.18	0.456	-	1.099	0.50
	LTE 30	QPSK10M	Front Face	27710	1	2	Reduce	1	0	-	21.5	20.75	-0.11	0.520	-	1.189	0.62
	LTE 30	QPSK10M	Rear Face	27710	1	2	Reduce	1	0	-	21.5	20.75	-0.08	0.282	-	1.189	0.34
P33	LTE 30	QPSK10M	Front Face	27710	1	2	Reduce	25	0	-	20.5	19.66	0.04	0.560	-	1.213	0.68
	LTE 30	QPSK10M	Rear Face	27710	1	2	Reduce	25	0	-	20.5	19.66	0.14	0.305	-	1.213	0.37
	LTE 30	QPSK10M	Front Face	27710	2	2	Reduce	25	0	-	20.5	19.66	-0.16	0.510	-	1.213	0.62
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	40620	1	0	Full	1	0	62.9	24.0	23.16	-0.15	0.332	1.006	1.213	0.41
	LTE 41 / 38 (PC3)	QPSK20M	Rear Face	40620	1	0	Full	1	0	62.9	24.0	23.16	-0.07	0.160	1.006	1.213	0.20
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	40620	1	0	Full	50	50	62.9	23.0	22.29	0.09	0.280	1.006	1.178	0.33
	LTE 41 / 38 (PC3)	QPSK20M	Rear Face	40620	1	0	Full	50	50	62.9	23.0	22.29	-0.16	0.126	1.006	1.178	0.15
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	39750	1	0	Full	1	0	62.9	24.0	23.09	0.07	0.315	1.006	1.233	0.39
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	39790	1	0	Full	1	0	62.9	24.0	23.10	-0.08	0.339	1.006	1.230	0.42
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	40185	1	0	Full	1	0	62.9	24.0	22.94	-0.19	0.369	1.006	1.276	0.47
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	41055	1	0	Full	1	0	62.9	24.0	23.10	-0.06	0.341	1.006	1.230	0.42
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	41490	1	0	Full	1	0	62.9	24.0	23.05	0.13	0.323	1.006	1.245	0.40
	LTE 41C (PC3)	QPSK20M	Front Face	PCC:39750 SCC:39948	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	62.9	24.0	22.66	-0.17	0.294	1.006	1.361	0.40
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	40185	1	0	Full	1	0	62.9	24.0	22.94	0.09	0.335	1.006	1.276	0.43
	LTE 41 (PC2)	QPSK20M	Front Face	40620	1	0	Full	1	0	42.9	26.5	25.58	-0.04	0.335	1.009	1.236	0.42
	LTE 41 (PC2)	QPSK20M	Rear Face	40620	1	0	Full	1	0	42.9	26.5	25.58	-0.02	0.182	1.009	1.236	0.23
	LTE 41 (PC2)	QPSK20M	Front Face	40620	1	0	Full	50	50	42.9	25.5	24.69	0.06	0.305	1.009	1.205	0.37
	LTE 41 (PC2)	QPSK20M	Rear Face	40620	1	0	Full	50	50	42.9	25.5	24.69	0.16	0.142	1.009	1.205	0.17
	LTE 41 (PC2)	QPSK20M	Front Face	39750	1	0	Full	1	0	42.9	26.5	25.22	-0.18	0.359	1.009	1.343	0.49
	LTE 41 (PC2)	QPSK20M	Front Face	39790	1	0	Full	1	0	42.9	26.5	25.29	-0.08	0.391	1.009	1.321	0.52
P34	LTE 41 (PC2)	QPSK20M	Front Face	40185	1	0	Full	1	0	42.9	26.5	25.34	0.17	0.409	1.009	1.306	0.54
	LTE 41 (PC2)	QPSK20M	Front Face	41055	1	0	Full	1	0	42.9	26.5	25.56	0.18	0.404	1.009	1.242	0.51
	LTE 41 (PC2)	QPSK20M	Front Face	41490	1	0	Full	1	0	42.9	26.5	25.32	0.03	0.382	1.009	1.312	0.51
	LTE 41 (PC2)	QPSK20M	Front Face	40620	1	0	Full	100	0	42.9	25.5	24.57	-0.06	0.357	1.009	1.239	0.45
	LTE 41C (PC2)	QPSK20M	Front Face	PCC:39750 SCC:39948	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	42.9	26.5	25.32	0.13	0.307	1.009	1.312	0.41
	LTE 41 (PC2)	QPSK20M	Front Face	40620	2	0	Full	1	0	42.9	26.5	25.58	-0.19	0.402	1.009	1.236	0.50
	LTE 41 (PC2)	QPSK20M	Front Face	39750	2	0	Full	1	0	42.9	26.5	25.22	-0.07	0.394	1.009	1.343	0.53
	LTE 41 (PC2)	QPSK20M	Front Face	39790	2	0	Full	1	0	42.9	26.5	25.29	-0.14	0.397	1.009	1.321	0.53
	LTE 41 (PC2)	QPSK20M	Front Face	40185	2	0	Full	1	0	42.9	26.5	25.34	-0.03	0.316	1.009	1.306	0.42
	LTE 41 (PC2)	QPSK20M	Front Face	41055	2	0	Full	1	0	42.9	26.5	25.56	0.03	0.374	1.009	1.242	0.47
	LTE 41 (PC2)	QPSK20M	Front Face	41490	2	0	Full	1	0	42.9	26.5	25.32	0.01	0.405	1.009	1.312	0.54
	LTE 66 / 4	QPSK20M	Front Face	132572	1	0	Reduce	1	50	-	21.0	20.07	0.16	0.324	-	1.239	0.40
	LTE 66 / 4	QPSK20M	Rear Face	132572	1	0	Reduce	1	50	-	21.0	20.07	0.09	0.157	-	1.239	0.19
	LTE 66 / 4	QPSK20M	Front Face	132572	1	0	Reduce	50	25	-	20.0	19.30	-0.03	0.295	-	1.175	0.35
	LTE 66 / 4	QPSK20M	Rear Face	132572	1	0	Reduce	50	25	-	20.0	19.30	0.16	0.146	-	1.175	0.17
	LTE 66 / 4	QPSK20M	Front Face	132072	1	0	Reduce	1	50	-	21.0	19.96	0.04	0.398	-	1.271	0.51
	LTE 66 / 4	QPSK20M	Front Face	132322	1	0	Reduce	1	50	-	21.0	19.84	-0.15	0.338	-	1.306	0.44
	LTE 66B	QPSK20M	Front Face	PCC:132523 SCC:132622	1	0	Reduce	PCC:1 SCC:1	PCC:49 SCC:0	-	21.0	19.82	-0.06	0.287	-	1.312	0.38
	LTE 66C	QPSK20M	Front Face	PCC:132374 SCC:132572	1	0	Reduce	PCC:1 SCC:1	PCC:99 SCC:0	-	21.0	19.78	0.08	0.294	-	1.324	0.39
	LTE 66 / 4	QPSK20M	Front Face	132072	2	0	Reduce	1	50	-	21.0	19.96	0.07	0.366	-	1.271	0.47
P35	LTE 66	QPSK20M	Front Face	132572	1	2	Reduce	1	50	-	18.0	17.07	0.06	0.441	-	1.239	0.55
	LTE 66	QPSK20M	Rear Face	132572	1	2	Reduce	1	50	-	18.0	17.07	-0.01	0.099	-	1.239	0.12
	LTE 66	QPSK20M	Front Face	132572	1	2	Reduce	50	25	-	17.0	16.29	-0.19	0.375	-	1.178	0.44
	LTE 66	QPSK20M	Rear Face	132572	1	2	Reduce	50	25	-	17.0	16.29	-0.07	0.095	-	1.178	0.11
	LTE 66	QPSK20M	Front Face	132072	1	2	Reduce	50	25	-	17.0	16.21	-0.02	0.284	-	1.199	0.34
	LTE 66	QPSK20M	Front Face	132322	1	2	Reduce	50	25	-	17.0	15.88	-0.03	0.338	-	1.294	0.44
	LTE 66	QPSK20M	Front Face	132572	2	2	Reduce	50	25	-	17.0	16.29	0.15	0.366	-	1.178	0.43
	LTE 71	QPSK20M	Front Face	133372	1	0	Full	1	99	-	24.0	22.60	0.01	0.157	-	1.380	0.22
	LTE 71	QPSK20M	Rear Face	133372	1	0	Full	1	99	-	24.0	22.60	0.10	0.138	-	1.380	0.19
	LTE 71	QPSK20M	Front Face	133372	1	0	Full	50	50	-	23.0	21.60	0.07	0.143	-	1.380	0.20
	LTE 71	QPSK20M	Rear Face	133372	1	0	Full	50	50	-	23.0	21.60	0.16	0.140	-	1.380	0.19

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P36	LTE 71	QPSK20M	Front Face	133222	1	0	Full	1	99	-	24.0	22.50	0.09	0.158	-	1.413	0.22
	LTE 71	QPSK20M	Front Face	133322	1	0	Full	1	99	-	24.0	22.45	-0.05	0.142	-	1.429	0.20
	LTE 71	QPSK20M	Front Face	133222	2	0	Full	1	99	-	24.0	22.50	0.05	0.145	-	1.413	0.20
	NR n2	DFT-QPSK20M	Front Face	380000	1	2	Reduce	1	1	-	17.0	16.28	0.07	0.517	-	1.180	0.61
	NR n2	DFT-QPSK20M	Rear Face	380000	1	2	Reduce	1	1	-	17.0	16.28	0.09	0.125	-	1.180	0.15
	NR n2	DFT-QPSK20M	Front Face	380000	1	2	Reduce	50	28	-	17.0	16.23	0.09	0.584	-	1.194	0.70
P37	NR n2	DFT-QPSK20M	Rear Face	380000	1	2	Reduce	50	28	-	17.0	16.23	0.13	0.130	-	1.194	0.16
	NR n2	DFT-QPSK20M	Front Face	372000	1	2	Reduce	50	28	-	17.0	16.09	0.03	0.598	-	1.233	0.74
	NR n2	DFT-QPSK20M	Front Face	376000	1	2	Reduce	50	28	-	17.0	16.19	-0.07	0.510	-	1.205	0.61
	NR n2	DFT-QPSK20M	Front Face	372000	2	2	Reduce	50	28	-	17.0	16.09	-0.16	0.501	-	1.233	0.62
	NR n5	DFT-QPSK20M	Front Face	166800	1	0	Full	1	1	-	24.0	23.34	-0.19	0.267	-	1.164	0.31
	NR n5	DFT-QPSK20M	Rear Face	166800	1	0	Full	1	1	-	24.0	23.34	0.16	0.184	-	1.164	0.21
P38	NR n5	DFT-QPSK20M	Front Face	166800	1	0	Full	50	0	-	24.0	23.33	-0.09	0.259	-	1.167	0.30
	NR n5	DFT-QPSK20M	Rear Face	166800	1	0	Full	50	0	-	24.0	23.33	-0.08	0.170	-	1.167	0.20
	NR n5	DFT-QPSK20M	Front Face	167300	1	0	Full	1	1	-	24.0	23.27	-0.10	0.295	-	1.183	0.35
	NR n5	DFT-QPSK20M	Front Face	167800	1	0	Full	1	1	-	24.0	23.16	0.03	0.312	-	1.213	0.38
	NR n5	DFT-QPSK20M	Front Face	167800	2	0	Full	1	1	-	24.0	23.16	0.02	0.288	-	1.213	0.35
	NR n25 / 2	DFT-QPSK20M	Front Face	376500	1	0	Full	1	1	-	24.0	23.25	-0.09	0.442	-	1.189	0.53
P39	NR n25 / 2	DFT-QPSK20M	Rear Face	376500	1	0	Full	1	1	-	24.0	23.25	-0.06	0.268	-	1.189	0.32
	NR n25 / 2	DFT-QPSK20M	Front Face	376500	1	0	Full	50	56	-	24.0	23.16	-0.04	0.422	-	1.213	0.51
	NR n25 / 2	DFT-QPSK20M	Rear Face	376500	1	0	Full	50	56	-	24.0	23.16	-0.11	0.276	-	1.213	0.33
	NR n25 / 2	DFT-QPSK20M	Front Face	372000	1	0	Full	1	1	-	24.0	23.21	-0.07	0.495	-	1.199	0.59
	NR n25 / 2	DFT-QPSK20M	Front Face	381000	1	0	Full	1	1	-	24.0	23.23	0.10	0.589	-	1.194	0.70
	NR n25 / 2	DFT-QPSK20M	Front Face	381000	2	0	Full	1	1	-	24.0	23.23	-0.13	0.512	-	1.194	0.61
P40	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	1	0	Full	1	1	50	26.5	25.39	-0.02	0.407	-	1.291	0.53
	NR n41 (PC2)	DFT-QPSK100M	Rear Face	518598	1	0	Full	1	1	50	26.5	25.39	0.18	0.203	-	1.291	0.26
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	1	0	Full	135	69	50	26.5	24.89	0.10	0.345	-	1.449	0.50
	NR n41 (PC2)	DFT-QPSK100M	Rear Face	518598	1	0	Full	135	69	50	26.5	24.89	-0.04	0.167	-	1.449	0.24
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	2	0	Full	1	1	50	26.5	25.39	-0.07	0.411	-	1.291	0.53
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	1	2	Full	1	1	50	26.5	25.28	-0.10	0.361	-	1.324	0.48
P41	NR n41 (PC2)	DFT-QPSK100M	Rear Face	518598	1	2	Full	1	1	50	26.5	25.28	0.14	0.307	-	1.324	0.41
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	1	2	Full	135	69	50	26.5	24.75	0.09	0.351	-	1.496	0.53
	NR n41 (PC2)	DFT-QPSK100M	Rear Face	518598	1	2	Full	135	69	50	26.5	24.75	0.13	0.313	-	1.496	0.47
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	2	2	Full	135	69	50	26.5	24.75	0.17	0.291	-	1.496	0.44
	NR n41 MIMO (PC2)	CP-QPSK100M	Front Face	528000	1	0+2	Full	1	1	50	25.0	23.79	-0.18	0.380	-	1.321	0.50
	NR n41 MIMO (PC2)	CP-QPSK100M	Rear Face	528000	1	0+2	Full	1	1	50	25.0	23.79	-0.09	0.212	-	1.321	0.28
P42	NR n41 MIMO (PC2)	CP-QPSK100M	Front Face	528000	1	0+2	Full	137	68	50	25.0	23.53	0.06	0.280	-	1.403	0.39
	NR n41 MIMO (PC2)	CP-QPSK100M	Rear Face	528000	1	0+2	Full	137	68	50	25.0	23.53	-0.06	0.179	-	1.403	0.25
	NR n41 MIMO (PC2)	CP-QPSK100M	Front Face	528000	2	0+2	Full	1	1	50	25.0	23.79	0.11	0.305	-	1.321	0.40
	NR n66	DFT-QPSK30M	Front Face	349000	1	0	Reduce	1	1	-	23.0	22.42	-0.12	0.528	-	1.143	0.60
	NR n66	DFT-QPSK30M	Rear Face	349000	1	0	Reduce	1	1	-	23.0	22.42	0.00	0.230	-	1.143	0.26
	NR n66	DFT-QPSK30M	Front Face	349000	1	0	Reduce	80	0	-	23.0	22.30	0.15	0.537	-	1.175	0.63
P43	NR n66	DFT-QPSK30M	Rear Face	349000	1	0	Reduce	80	0	-	23.0	22.30	-0.06	0.243	-	1.175	0.29
	NR n66	DFT-QPSK30M	Front Face	345000	1	0	Reduce	80	0	-	23.0	22.21	0.10	0.534	-	1.199	0.64
	NR n66	DFT-QPSK30M	Front Face	353000	1	0	Reduce	80	0	-	23.0	22.19	0.02	0.520	-	1.205	0.63
	NR n66	DFT-QPSK30M	Front Face	345000	2	0	Reduce	80	0	-	23.0	22.21	0.06	0.502	-	1.199	0.60
	NR n66	DFT-QPSK30M	Front Face	349000	1	2	Reduce	1	1	-	19.0	18.47	-0.09	0.385	-	1.130	0.43
	NR n66	DFT-QPSK30M	Rear Face	349000	1	2	Reduce	1	1	-	19.0	18.47	-0.10	0.086	-	1.130	0.10
P44	NR n66	DFT-QPSK30M	Front Face	349000	1	2	Reduce	80	0	-	19.0	18.38	-0.11	0.539	-	1.153	0.62
	NR n66	DFT-QPSK30M	Rear Face	349000	1	2	Reduce	80	0	-	19.0	18.38	-0.14	0.097	-	1.153	0.11
	NR n66	DFT-QPSK30M	Front Face	345000	1	2	Reduce	80	0	-	19.0	18.35	-0.03	0.350	-	1.161	0.41
	NR n66	DFT-QPSK30M	Front Face	353000	1	2	Reduce	80	0	-	19.0	18.29	0.04	0.559	-	1.178	0.66
	NR n66	DFT-QPSK30M	Front Face	353000	2	2	Reduce	80	0	-	19.0	18.29	-0.05	0.487	-	1.178	0.57
	NR n71	DFT-QPSK20M	Front Face	134600	1	0	Full	1	1	-	24.0	23.27	-0.04	0.163	-	1.183	0.19
P45	NR n71	DFT-QPSK20M	Rear Face	134600	1	0	Full	1	1	-	24.0	23.27	0.01	0.196	-	1.183	0.23
	NR n71	DFT-QPSK20M	Front Face	134600	1	0	Full	50	28	-	24.0	23.08	0.15	0.156	-	1.236	0.19
P46	NR n71	DFT-QPSK20M	Rear Face	134600	1	0	Full	50	28	-	24.0	23.08	0.02	0.182	-	1.236	0.22

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n71	DFT-QPSK20M	Rear Face	136100	1	0	Full	1	1	-	24.0	23.19	-0.04	0.183	-	1.205	0.22
	NR n71	DFT-QPSK20M	Rear Face	137600	1	0	Full	1	1	-	24.0	23.14	0.15	0.165	-	1.219	0.20
	NR n71	DFT-QPSK20M	Rear Face	134600	2	0	Full	1	1	-	24.0	23.27	0.15	0.126	-	1.183	0.15
	NR n77 / 78 (PC2)	DFT-QPSK100M	Front Face	633334	1	7	Full	1	1	50	28.0	27.00	-0.11	0.311	-	1.259	0.39
	NR n77 / 78 (PC2)	DFT-QPSK100M	Rear Face	633334	1	7	Full	1	1	50	28.0	27.00	0.03	0.509	-	1.259	0.64
	NR n77 / 78 (PC2)	DFT-QPSK100M	Front Face	633334	1	7	Full	135	69	50	28.0	26.63	-0.18	0.320	-	1.371	0.44
	NR n77 / 78 (PC2)	DFT-QPSK100M	Rear Face	633334	1	7	Full	135	69	50	28.0	26.63	-0.06	0.463	-	1.371	0.63
	NR n77 / 78 (PC2)	DFT-QPSK100M	Rear Face	633334	2	7	Full	1	1	50	28.0	27.00	-0.11	0.327	-	1.259	0.41
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Front Face	633334	1	1+7	Full	1	1	50	25.5	24.48	-0.17	0.269	-	1.265	0.34
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Rear Face	633334	1	1+7	Full	1	1	50	25.5	24.48	-0.05	0.431	-	1.265	0.55
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Front Face	633334	1	1+7	Full	137	68	50	25.5	24.08	0.17	0.297	-	1.387	0.41
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Rear Face	633334	1	1+7	Full	137	68	50	25.5	24.08	-0.03	0.393	-	1.387	0.54
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Rear Face	633334	2	1+7	Full	1	1	50	25.5	24.48	0.06	0.237	-	1.265	0.30
	NR n77 (PC2)	DFT-QPSK100M	Front Face	656000	1	7	Full	1	1	50	28.0	27.82	-0.07	0.497	-	1.042	0.52
P43	NR n77 (PC2)	DFT-QPSK100M	Rear Face	656000	1	7	Full	1	1	50	28.0	27.82	-0.15	0.617	-	1.042	0.64
	NR n77 (PC2)	DFT-QPSK100M	Front Face	656000	1	7	Full	135	69	50	28.0	27.57	0.08	0.399	-	1.104	0.44
	NR n77 (PC2)	DFT-QPSK100M	Rear Face	656000	1	7	Full	135	69	50	28.0	27.57	0.03	0.454	-	1.104	0.50
	NR n77 (PC2)	DFT-QPSK100M	Front Face	656000	2	7	Full	135	69	50	28.0	27.57	-0.18	0.569	-	1.104	0.63
	NR n77 MIMO (PC2)	CP-QPSK100M	Front Face	650000	1	1+7	Full	1	1	50	25.5	24.45	-0.13	0.296	-	1.274	0.38
	NR n77 MIMO (PC2)	CP-QPSK100M	Rear Face	650000	1	1+7	Full	1	1	50	25.5	24.45	-0.02	0.350	-	1.274	0.45
	NR n77 MIMO (PC2)	CP-QPSK100M	Front Face	650000	1	1+7	Full	137	68	50	25.5	24.29	-0.09	0.237	-	1.321	0.31
	NR n77 MIMO (PC2)	CP-QPSK100M	Rear Face	650000	1	1+7	Full	137	68	50	25.5	24.29	0.07	0.329	-	1.321	0.43
	NR n77 MIMO (PC2)	CP-QPSK100M	Rear Face	650000	2	1+7	Full	1	1	50	25.5	24.45	0.19	0.169	-	1.274	0.22
	WLAN2.4G	802.11b	Front Face	6	1	6	Full	-	-	99.93	13.0	12.52	0.11	0.052	1.001	1.117	0.06
	WLAN2.4G	802.11b	Rear Face	6	1	6	Full	-	-	99.93	13.0	12.52	0.07	0.046	1.001	1.117	0.05
	WLAN2.4G	802.11b	Front Face	1	1	6	Full	-	-	99.93	13.0	12.02	0.07	0.028	1.001	1.253	0.04
	WLAN2.4G	802.11b	Front Face	11	1	6	Full	-	-	99.93	13.0	12.21	-0.06	0.043	1.001	1.199	0.05
	WLAN2.4G	802.11b	Front Face	6	2	6	Full	-	-	99.93	13.0	12.52	-0.04	0.043	1.001	1.117	0.05
	WLAN2.4G	802.11b	Front Face	1	1	8	Full	-	-	99.93	13.0	12.37	0.04	0.042	1.001	1.156	0.05
	WLAN2.4G	802.11b	Rear Face	1	1	8	Full	-	-	99.93	13.0	12.37	-0.11	0.053	1.001	1.156	0.06
	WLAN2.4G	802.11b	Rear Face	6	1	8	Full	-	-	99.93	13.0	12.22	-0.16	0.048	1.001	1.197	0.06
	WLAN2.4G	802.11b	Rear Face	11	1	8	Full	-	-	99.93	13.0	11.83	0.01	0.035	1.001	1.309	0.05
	WLAN2.4G	802.11b	Rear Face	1	2	8	Full	-	-	99.93	13.0	12.37	0.02	0.024	1.001	1.156	0.03
	WLAN2.4G	802.11b	Front Face	6	1	6+8	Full	-	-	99.93	16.0	15.50	0.17	0.049	1.001	1.122	0.06
P44	WLAN2.4G	802.11b	Rear Face	6	1	6+8	Full	-	-	99.93	16.0	15.50	-0.01	0.071	1.001	1.122	0.08
	WLAN2.4G	802.11b	Rear Face	1	1	6+8	Full	-	-	99.93	16.0	15.39	0.09	0.058	1.001	1.151	0.07
	WLAN2.4G	802.11b	Rear Face	11	1	6+8	Full	-	-	99.93	16.0	15.23	0.01	0.057	1.001	1.194	0.07
	WLAN2.4G	802.11b	Rear Face	6	2	6+8	Full	-	-	99.93	16.0	15.50	-0.08	0.032	1.001	1.122	0.04
	WLAN5.3G	802.11ax40	Front Face	62	1	6	Full	-	-	99.63	15.0	14.24	0.10	0.069	1.004	1.191	0.08
	WLAN5.3G	802.11ax40	Rear Face	62	1	6	Full	-	-	99.63	15.0	14.24	-0.04	0.118	1.004	1.191	0.14
	WLAN5.3G	802.11ax40	Rear Face	54	1	6	Full	-	-	99.63	15.0	14.10	-0.01	0.090	1.004	1.230	0.11
	WLAN5.3G	802.11ax40	Rear Face	62	2	6	Full	-	-	99.63	15.0	14.24	0.10	0.042	1.004	1.191	0.05
	WLAN5.3G	802.11ax40	Front Face	62	1	8	Full	-	-	99.63	15.0	14.15	0.11	0.070	1.004	1.216	0.09
	WLAN5.3G	802.11ax40	Rear Face	62	1	8	Full	-	-	99.63	15.0	14.15	0.12	0.196	1.004	1.216	0.24
P45	WLAN5.3G	802.11ax40	Rear Face	54	1	8	Full	-	-	99.63	15.0	13.98	-0.02	0.277	1.004	1.265	0.35
	WLAN5.3G	802.11ax40	Rear Face	54	2	8	Full	-	-	99.63	15.0	13.98	0.17	0.112	1.004	1.265	0.14
	WLAN5.3G	802.11ax40	Front Face	62	1	6+8	Full	-	-	99.63	17.5	16.76	0.15	0.090	1.004	1.186	0.11
	WLAN5.3G	802.11ax40	Rear Face	62	1	6+8	Full	-	-	99.63	17.5	16.76	0.06	0.168	1.004	1.186	0.20
	WLAN5.3G	802.11ax40	Rear Face	54	1	6+8	Full	-	-	99.63	17.5	16.70	-0.13	0.272	1.004	1.202	0.33
	WLAN5.3G	802.11ax40	Rear Face	54	2	6+8	Full	-	-	99.63	17.5	16.70	-0.02	0.124	1.004	1.202	0.15
	WLAN5.5G	802.11ax40	Front Face	134	1	6	Full	-	-	99.63	15.0	14.25	-0.09	0.110	1.004	1.189	0.13
	WLAN5.5G	802.11ax40	Rear Face	134	1	6	Full	-	-	99.63	15.0	14.25	-0.10	0.126	1.004	1.189	0.15
	WLAN5.5G	802.11ax40	Rear Face	102	1	6	Full	-	-	99.63	15.0	14.16	-0.07	0.160	1.004	1.213	0.19
	WLAN5.5G	802.11ax40	Rear Face	110	1	6	Full	-	-	99.63	15.0	14.14	-0.11	0.165	1.004	1.219	0.20

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	WLAN5.5G	802.11ax40	Rear Face	142	1	6	Full	-	-	99.63	15.0	13.94	0.13	0.125	1.004	1.276	0.16
	WLAN5.5G	802.11ax40	Rear Face	110	2	6	Full	-	-	99.63	15.0	14.14	0.09	0.068	1.004	1.219	0.08
	WLAN5.5G	802.11ax40	Front Face	134	1	8	Full	-	-	99.63	15.0	14.59	0.18	0.035	1.004	1.099	0.04
	WLAN5.5G	802.11ax40	Rear Face	134	1	8	Full	-	-	99.63	15.0	14.59	0.14	0.127	1.004	1.099	0.14
	WLAN5.5G	802.11ax40	Rear Face	102	1	8	Full	-	-	99.63	15.0	14.42	-0.11	0.103	1.004	1.143	0.12
	WLAN5.5G	802.11ax40	Rear Face	110	1	8	Full	-	-	99.63	15.0	14.41	0.16	0.114	1.004	1.146	0.13
	WLAN5.5G	802.11ax40	Rear Face	142	1	8	Full	-	-	99.63	15.0	14.34	0.16	0.127	1.004	1.164	0.15
	WLAN5.5G	802.11ax40	Rear Face	142	2	8	Full	-	-	99.63	15.0	14.34	-0.01	0.049	1.004	1.164	0.06
	WLAN5.5G	802.11ax40	Front Face	102	1	6+8	Full	-	-	99.63	18.0	17.47	0.14	0.085	1.004	1.130	0.10
	WLAN5.5G	802.11ax40	Rear Face	102	1	6+8	Full	-	-	99.63	18.0	17.47	-0.08	0.101	1.004	1.130	0.11
P46	WLAN5.5G	802.11ax40	Rear Face	110	1	6+8	Full	-	-	99.63	18.0	17.29	0.09	0.217	1.004	1.178	0.26
	WLAN5.5G	802.11ax40	Rear Face	134	1	6+8	Full	-	-	99.63	18.0	17.03	0.09	0.155	1.004	1.250	0.19
	WLAN5.5G	802.11ax40	Rear Face	142	1	6+8	Full	-	-	99.63	18.0	17.16	-0.18	0.164	1.004	1.213	0.20
	WLAN5.5G	802.11ax40	Rear Face	110	2	6+8	Full	-	-	99.63	18.0	17.29	0.12	0.078	1.004	1.178	0.09
	WLAN5.8G	802.11ax40	Front Face	159	1	6	Full	-	-	99.63	15.0	14.12	-0.11	0.079	1.004	1.225	0.10
	WLAN5.8G	802.11ax40	Rear Face	159	1	6	Full	-	-	99.63	15.0	14.12	-0.10	0.104	1.004	1.225	0.13
P47	WLAN5.8G	802.11ax40	Rear Face	151	1	6	Full	-	-	99.63	15.0	13.78	0.02	0.222	1.004	1.324	0.30
	WLAN5.8G	802.11ax40	Rear Face	151	2	6	Full	-	-	99.63	15.0	13.78	-0.09	0.068	1.004	1.324	0.09
	WLAN5.8G	802.11ax40	Front Face	159	1	8	Full	-	-	99.63	16.0	15.40	0.08	0.046	1.004	1.148	0.05
	WLAN5.8G	802.11ax40	Rear Face	159	1	8	Full	-	-	99.63	16.0	15.40	0.08	0.222	1.004	1.148	0.26
	WLAN5.8G	802.11ax40	Rear Face	151	1	8	Full	-	-	99.63	15.0	14.37	-0.13	0.201	1.004	1.156	0.23
	WLAN5.8G	802.11ax40	Rear Face	159	2	8	Full	-	-	99.63	16.0	15.40	0.03	0.098	1.004	1.148	0.11
	WLAN5.8G	802.11ax40	Front Face	151	1	6+8	Full	-	-	99.63	18.0	17.23	0.07	0.152	1.004	1.194	0.18
	WLAN5.8G	802.11ax40	Rear Face	151	1	6+8	Full	-	-	99.63	18.0	17.23	0.05	0.119	1.004	1.194	0.14
	WLAN5.8G	802.11ax40	Rear Face	159	1	6+8	Full	-	-	99.63	18.0	17.09	0.15	0.135	1.004	1.233	0.17
	WLAN5.8G	802.11ax40	Rear Face	151	2	6+8	Full	-	-	99.63	18.0	17.23	-0.05	0.039	1.004	1.194	0.05
	BT	GFSK	Front Face	39	1	6	Full	-	-	78.5	9.0	8.50	0.07	0.004	1.287	1.122	0.01
P48	BT	GFSK	Rear Face	39	1	6	Full	-	-	78.5	9.0	8.50	0.01	0.033	1.274	1.122	0.05
	BT	GFSK	Rear Face	0	1	6	Full	-	-	78.5	9.0	7.75	-0.06	0.021	1.274	1.334	0.04
	BT	GFSK	Rear Face	78	1	6	Full	-	-	78.5	9.0	7.95	-0.02	0.024	1.274	1.274	0.04
	BT	GFSK	Rear Face	39	1	6	Full	-	-	78.5	9.0	8.50	-0.09	0.013	1.274	1.122	0.02

4.6.4 SAR Results for Hotspot Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 2	QPSK20M	Front Face	19100	1	2	Reduce	1	99	-	16.0	14.57	-0.02	0.394	-	1.390	0.55
	LTE 2	QPSK20M	Rear Face	19100	1	2	Reduce	1	99	-	16.0	14.57	-0.11	0.093	-	1.390	0.13
	LTE 2	QPSK20M	Left Side	19100	1	2	Reduce	1	99	-	16.0	14.57	0.08	0.189	-	1.390	0.26
	LTE 2	QPSK20M	Top Side	19100	1	2	Reduce	1	99	-	16.0	14.57	0.19	0.113	-	1.390	0.16
	LTE 2	QPSK20M	Front Face	19100	1	2	Reduce	50	50	-	15.0	13.78	-0.09	0.395	-	1.324	0.52
	LTE 2	QPSK20M	Rear Face	19100	1	2	Reduce	50	50	-	15.0	13.78	-0.07	0.098	-	1.324	0.13
	LTE 2	QPSK20M	Left Side	19100	1	2	Reduce	50	50	-	15.0	13.78	0.05	0.198	-	1.324	0.26
	LTE 2	QPSK20M	Top Side	19100	1	2	Reduce	50	50	-	15.0	13.78	-0.05	0.121	-	1.324	0.16
	LTE 2	QPSK20M	Front Face	18700	1	2	Reduce	1	99	-	16.0	14.40	0.00	0.402	-	1.445	0.58
P49	LTE 2	QPSK20M	Front Face	18900	1	2	Reduce	1	99	-	16.0	14.45	0.06	0.438	-	1.429	0.63
	LTE 2	QPSK20M	Front Face	18900	2	2	Reduce	1	99	-	16.0	14.45	-0.09	0.374	-	1.429	0.53
	LTE 5	QPSK10M	Front Face	20450	1	0	Full	1	0	-	24.0	22.63	-0.06	0.382	-	1.371	0.52
	LTE 5	QPSK10M	Rear Face	20450	1	0	Full	1	0	-	24.0	22.63	-0.01	0.246	-	1.371	0.34
	LTE 5	QPSK10M	Left Side	20450	1	0	Full	1	0	-	24.0	22.63	0.09	0.058	-	1.371	0.08
	LTE 5	QPSK10M	Right Side	20450	1	0	Full	1	0	-	24.0	22.63	-0.15	0.073	-	1.371	0.10
	LTE 5	QPSK10M	Bottom Side	20450	1	0	Full	1	0	-	24.0	22.63	-0.17	0.149	-	1.371	0.20
	LTE 5	QPSK10M	Front Face	20450	1	0	Full	25	0	-	23.0	21.63	0.17	0.315	-	1.371	0.43
	LTE 5	QPSK10M	Rear Face	20450	1	0	Full	25	0	-	23.0	21.63	0.04	0.195	-	1.371	0.27
	LTE 5	QPSK10M	Left Side	20450	1	0	Full	25	0	-	23.0	21.63	0.01	0.059	-	1.371	0.08
	LTE 5	QPSK10M	Right Side	20450	1	0	Full	25	0	-	23.0	21.63	0.15	0.045	-	1.371	0.06
	LTE 5	QPSK10M	Bottom Side	20450	1	0	Full	25	0	-	23.0	21.63	0.01	0.116	-	1.371	0.16
	LTE 5	QPSK10M	Front Face	20525	1	0	Full	1	0	-	24.0	22.41	0.01	0.325	-	1.442	0.47
P50	LTE 5	QPSK10M	Front Face	20600	1	0	Full	1	0	-	24.0	22.07	-0.11	0.361	-	1.560	0.56
	LTE 5B	QPSK10M	Front Face	PCC:20450 SCC:20549	1	0	Full	PCC:1 SCC:1	PCC:49 SCC:0	-	24.0	22.40	-0.19	0.341	-	1.445	0.49
	LTE 5	QPSK10M	Front Face	20600	2	0	Full	1	0	-	24.0	22.07	0.08	0.329	-	1.560	0.51
	LTE 7	QPSK20M	Front Face	20850	1	0	Reduce	1	50	-	22.5	21.72	-0.17	0.329	-	1.197	0.39
	LTE 7	QPSK20M	Rear Face	20850	1	0	Reduce	1	50	-	22.5	21.72	0.12	0.186	-	1.197	0.22

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 7	QPSK20M	Left Side	20850	1	0	Reduce	1	50	-	22.5	21.72	-0.08	0.278	-	1.197	0.33
	LTE 7	QPSK20M	Right Side	20850	1	0	Reduce	1	50	-	22.5	21.72	-0.08	0.000	-	1.197	0.00
	LTE 7	QPSK20M	Bottom Side	20850	1	0	Reduce	1	50	-	22.5	21.72	0.07	0.266	-	1.197	0.32
	LTE 7	QPSK20M	Front Face	20850	1	0	Reduce	50	50	-	21.5	20.79	0.08	0.324	-	1.178	0.38
	LTE 7	QPSK20M	Rear Face	20850	1	0	Reduce	50	50	-	21.5	20.79	-0.14	0.204	-	1.178	0.24
	LTE 7	QPSK20M	Left Side	20850	1	0	Reduce	50	50	-	21.5	20.79	-0.04	0.297	-	1.178	0.35
	LTE 7	QPSK20M	Right Side	20850	1	0	Reduce	50	50	-	21.5	20.79	-0.14	0.000	-	1.178	0.00
	LTE 7	QPSK20M	Bottom Side	20850	1	0	Reduce	50	50	-	21.5	20.79	-0.11	0.268	-	1.178	0.32
	LTE 7	QPSK20M	Front Face	21100	1	0	Reduce	1	50	-	22.5	21.55	0.14	0.470	-	1.245	0.58
	LTE 7	QPSK20M	Front Face	21350	1	0	Reduce	1	50	-	22.5	21.46	-0.01	0.343	-	1.271	0.44
	LTE 7C	QPSK20M	Front Face	PCC:20850 SCC:20148	1	0	Reduce	PCC:1 SCC:1	PCC:99 SCC:0	-	22.5	21.73	-0.02	0.301	-	1.194	0.36
	LTE 7	QPSK20M	Front Face	21100	2	0	Reduce	1	50	-	22.5	21.55	-0.16	0.332	-	1.245	0.41
P51	LTE 7	QPSK20M	Front Face	20850	1	2	Full	1	50	-	24.0	23.56	-0.02	0.566	-	1.107	0.63
	LTE 7	QPSK20M	Rear Face	20850	1	2	Full	1	50	-	24.0	23.56	0.04	0.465	-	1.107	0.51
	LTE 7	QPSK20M	Left Side	20850	1	2	Full	1	50	-	24.0	23.56	0.15	0.326	-	1.107	0.36
	LTE 7	QPSK20M	Top Side	20850	1	2	Full	1	50	-	24.0	23.56	0.07	0.286	-	1.107	0.32
	LTE 7	QPSK20M	Front Face	20850	1	2	Full	50	50	-	23.0	22.61	-0.06	0.490	-	1.094	0.54
	LTE 7	QPSK20M	Rear Face	20850	1	2	Full	50	50	-	23.0	22.61	-0.03	0.429	-	1.094	0.47
	LTE 7	QPSK20M	Left Side	20850	1	2	Full	50	50	-	23.0	22.61	-0.19	0.284	-	1.094	0.31
	LTE 7	QPSK20M	Top Side	20850	1	2	Full	50	50	-	23.0	22.61	-0.17	0.265	-	1.094	0.29
	LTE 7	QPSK20M	Front Face	21100	1	2	Full	1	50	-	24.0	23.33	-0.01	0.479	-	1.167	0.56
	LTE 7	QPSK20M	Front Face	21350	1	2	Full	1	50	-	24.0	23.13	-0.12	0.453	-	1.222	0.55
	LTE 7	QPSK20M	Front Face	20850	2	2	Full	1	50	-	24.0	23.56	-0.04	0.545	-	1.107	0.60
	LTE 12	QPSK10M	Front Face	23060	1	0	Full	1	24	-	24.0	22.43	0.05	0.137	-	1.435	0.20
	LTE 12	QPSK10M	Rear Face	23060	1	0	Full	1	24	-	24.0	22.43	0.19	0.157	-	1.435	0.23
	LTE 12	QPSK10M	Left Side	23060	1	0	Full	1	24	-	24.0	22.43	0.14	0.054	-	1.435	0.08
	LTE 12	QPSK10M	Right Side	23060	1	0	Full	1	24	-	24.0	22.43	-0.05	0.075	-	1.435	0.11
	LTE 12	QPSK10M	Bottom Side	23060	1	0	Full	1	24	-	24.0	22.43	0.00	0.053	-	1.435	0.08
	LTE 12	QPSK10M	Front Face	23060	1	0	Full	25	25	-	23.0	21.37	0.17	0.153	-	1.455	0.22
	LTE 12	QPSK10M	Rear Face	23060	1	0	Full	25	25	-	23.0	21.37	-0.13	0.146	-	1.455	0.21
	LTE 12	QPSK10M	Left Side	23060	1	0	Full	25	25	-	23.0	21.37	0.03	0.050	-	1.455	0.07
	LTE 12	QPSK10M	Right Side	23060	1	0	Full	25	25	-	23.0	21.37	0.17	0.077	-	1.455	0.11
	LTE 12	QPSK10M	Bottom Side	23060	1	0	Full	25	25	-	23.0	21.37	-0.04	0.045	-	1.455	0.07
	LTE 12	QPSK10M	Rear Face	23095	1	0	Full	1	24	-	24.0	22.32	0.06	0.179	-	1.472	0.26
P52	LTE 12	QPSK10M	Rear Face	23130	1	0	Full	1	24	-	24.0	22.34	0.03	0.180	-	1.466	0.26
	LTE 12B	QPSK10M	Rear Face	PCC:23058 SCC:23130	1	0	Full	PCC:1 SCC:1	PCC:24 SCC:0	-	24.0	22.16	0.12	0.132	-	1.528	0.20
	LTE 12	QPSK10M	Rear Face	23130	2	0	Full	1	24	-	24.0	22.34	-0.12	0.103	-	1.466	0.15
P53	LTE 13	QPSK10M	Front Face	23230	1	0	Full	1	24	-	24.0	23.22	-0.01	0.363	-	1.197	0.43
	LTE 13	QPSK10M	Rear Face	23230	1	0	Full	1	24	-	24.0	23.22	0.06	0.243	-	1.197	0.29
	LTE 13	QPSK10M	Left Side	23230	1	0	Full	1	24	-	24.0	23.22	-0.09	0.065	-	1.197	0.08
	LTE 13	QPSK10M	Right Side	23230	1	0	Full	1	24	-	24.0	23.22	-0.06	0.120	-	1.197	0.14
	LTE 13	QPSK10M	Bottom Side	23230	1	0	Full	1	24	-	24.0	23.22	-0.19	0.188	-	1.197	0.22
	LTE 13	QPSK10M	Front Face	23230	1	0	Full	25	25	-	23.0	22.15	0.09	0.344	-	1.216	0.42
	LTE 13	QPSK10M	Rear Face	23230	1	0	Full	25	25	-	23.0	22.15	0.16	0.203	-	1.216	0.25
	LTE 13	QPSK10M	Left Side	23230	1	0	Full	25	25	-	23.0	22.15	0.14	0.057	-	1.216	0.07
	LTE 13	QPSK10M	Right Side	23230	1	0	Full	25	25	-	23.0	22.15	0.08	0.081	-	1.216	0.10
	LTE 13	QPSK10M	Bottom Side	23230	1	0	Full	25	25	-	23.0	22.15	-0.18	0.145	-	1.216	0.18
	LTE 13	QPSK10M	Front Face	23230	2	0	Full	1	24	-	24.0	23.22	0.19	0.323	-	1.197	0.39
P54	LTE 14	QPSK10M	Front Face	23330	1	0	Full	1	24	-	24.0	23.31	-0.06	0.368	-	1.172	0.43
	LTE 14	QPSK10M	Rear Face	23330	1	0	Full	1	24	-	24.0	23.31	0.01	0.219	-	1.172	0.26
	LTE 14	QPSK10M	Left Side	23330	1	0	Full	1	24	-	24.0	23.31	0.07	0.060	-	1.172	0.07
	LTE 14	QPSK10M	Right Side	23330	1	0	Full	1	24	-	24.0	23.31	-0.11	0.098	-	1.172	0.11
	LTE 14	QPSK10M	Bottom Side	23330	1	0	Full	1	24	-	24.0	23.31	-0.08	0.184	-	1.172	0.22
	LTE 14	QPSK10M	Front Face	23330	1	0	Full	25	0	-	23.0	22.26	-0.17	0.334	-	1.186	0.40
	LTE 14	QPSK10M	Rear Face	23330	1	0	Full	25	0	-	23.0	22.26	0.03	0.199	-	1.186	0.24
	LTE 14	QPSK10M	Left Side	23330	1	0	Full	25	0	-	23.0	22.26	-0.12	0.055	-	1.186	0.07
	LTE 14	QPSK10M	Right Side	23330	1	0	Full	25	0	-	23.0	22.26	0.01	0.091	-	1.186	0.11
	LTE 14	QPSK10M	Bottom Side	23330	1	0	Full	25	0	-	23.0	22.26	-0.12	0.156	-	1.186	0.18
	LTE 14	QPSK10M	Front Face	23330	2	0	Full	1	24	-	24.0	23.31	-0.09	0.312	-	1.172	0.37
P55	LTE 25 / 2	QPSK20M	Front Face	26590	1	0	Reduce	1	50	-	22.5	21.67	0.09	0.419	-	1.211	0.51
	LTE 25 / 2	QPSK20M	Rear Face	26590	1	0	Reduce	1	50	-	22.5	21.67	-0.12	0.238	-	1.211	0.29
	LTE 25 / 2	QPSK20M	Left Side	26590	1	0	Reduce	1	50	-	22.5	21.67	0.02	0.280	-	1.211	0.34
	LTE 25 / 2	QPSK20M	Right Side	26590	1	0	Reduce	1	50	-	22.5	21.67	-0.03	0.054	-	1.211	0.07
	LTE 25 / 2	QPSK20M	Bottom Side	26590	1	0	Reduce	1	50	-	22.5	21.67	0.04	0.227	-	1.211	0.27
	LTE 25 / 2	QPSK20M	Front Face	26590	1	0	Reduce	50	50	-	21.5	20.87	0.17	0.379	-	1.156	0.44
	LTE 25 / 2	QPSK20M	Rear Face	26590	1	0	Reduce	50	50	-	21.5	20.87	-0.12	0.220	-	1.156	0.25
	LTE 25 / 2	QPSK20M	Left Side	26590	1	0	Reduce	50	50	-	21.5	20.87	-0.10	0.240	-	1.156	0.28

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Certificate #6613.01

Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 25 / 2	QPSK20M	Right Side	26590	1	0	Reduce	50	50	-	21.5	20.87	-0.17	0.046	-	1.156	0.05
	LTE 25 / 2	QPSK20M	Bottom Side	26590	1	0	Reduce	50	50	-	21.5	20.87	0.12	0.223	-	1.156	0.26
	LTE 25 / 2	QPSK20M	Front Face	26140	1	0	Reduce	1	50	-	22.5	21.44	-0.03	0.330	-	1.276	0.42
	LTE 25 / 2	QPSK20M	Front Face	26340	1	0	Reduce	1	50	-	22.5	21.53	0.09	0.344	-	1.250	0.43
	LTE 2C	QPSK20M	Front Face	PCC:18700 SCC:18898	1	0	Reduce	PCC:1 SCC:1	PCC:99 SCC:0	-	22.5	21.14	0.13	0.342	-	1.368	0.47
	LTE 25 / 2	QPSK20M	Front Face	26590	2	0	Reduce	1	50	-	22.5	21.67	0.11	0.385	-	1.211	0.47
	LTE 26	QPSK15M	Front Face	26765	1	0	Full	1	0	-	24.0	22.77	0.05	0.387	-	1.327	0.51
	LTE 26	QPSK15M	Rear Face	26765	1	0	Full	1	0	-	24.0	22.77	-0.02	0.241	-	1.327	0.32
	LTE 26	QPSK15M	Left Side	26765	1	0	Full	1	0	-	24.0	22.77	0.16	0.065	-	1.327	0.09
	LTE 26	QPSK15M	Right Side	26765	1	0	Full	1	0	-	24.0	22.77	0.02	0.080	-	1.327	0.11
	LTE 26	QPSK15M	Bottom Side	26765	1	0	Full	1	0	-	24.0	22.77	0.00	0.129	-	1.327	0.17
	LTE 26	QPSK15M	Front Face	26765	1	0	Full	36	0	-	23.0	21.84	-0.18	0.313	-	1.306	0.41
	LTE 26	QPSK15M	Rear Face	26765	1	0	Full	36	0	-	23.0	21.84	0.06	0.187	-	1.306	0.24
	LTE 26	QPSK15M	Left Side	26765	1	0	Full	36	0	-	23.0	21.84	0.01	0.083	-	1.306	0.11
	LTE 26	QPSK15M	Right Side	26765	1	0	Full	36	0	-	23.0	21.84	-0.17	0.054	-	1.306	0.07
	LTE 26	QPSK15M	Bottom Side	26765	1	0	Full	36	0	-	23.0	21.84	0.16	0.114	-	1.306	0.15
	LTE 26	QPSK15M	Front Face	26865	1	0	Full	1	0	-	24.0	22.51	0.12	0.379	-	1.409	0.53
P56	LTE 26	QPSK15M	Front Face	26965	1	0	Full	1	0	-	24.0	22.37	-0.17	0.370	-	1.455	0.54
	LTE 26	QPSK15M	Front Face	26965	2	0	Full	1	0	-	24.0	22.37	-0.01	0.357	-	1.455	0.52
	LTE 30	QPSK10M	Front Face	27710	1	0	Reduce	1	0	-	21.0	20.59	-0.12	0.486	-	1.099	0.53
	LTE 30	QPSK10M	Rear Face	27710	1	0	Reduce	1	0	-	21.0	20.59	-0.06	0.190	-	1.099	0.21
	LTE 30	QPSK10M	Left Side	27710	1	0	Reduce	1	0	-	21.0	20.59	0.17	0.332	-	1.099	0.36
	LTE 30	QPSK10M	Right Side	27710	1	0	Reduce	1	0	-	21.0	20.59	0.07	0.000	-	1.099	0.00
	LTE 30	QPSK10M	Bottom Side	27710	1	0	Reduce	1	0	-	21.0	20.59	-0.10	0.141	-	1.099	0.15
	LTE 30	QPSK10M	Front Face	27710	1	0	Reduce	25	0	-	20.0	19.47	0.04	0.383	-	1.130	0.43
	LTE 30	QPSK10M	Rear Face	27710	1	0	Reduce	25	0	-	20.0	19.47	0.00	0.202	-	1.130	0.23
	LTE 30	QPSK10M	Left Side	27710	1	0	Reduce	25	0	-	20.0	19.47	-0.15	0.325	-	1.130	0.37
	LTE 30	QPSK10M	Right Side	27710	1	0	Reduce	25	0	-	20.0	19.47	0.11	0.000	-	1.130	0.00
	LTE 30	QPSK10M	Bottom Side	27710	1	0	Reduce	25	0	-	20.0	19.47	0.02	0.136	-	1.130	0.15
	LTE 30	QPSK10M	Front Face	27710	2	0	Reduce	1	0	-	21.0	20.59	-0.18	0.456	-	1.099	0.50
	LTE 30	QPSK10M	Front Face	27710	1	2	Reduce	1	0	-	21.5	20.75	-0.11	0.520	-	1.189	0.62
	LTE 30	QPSK10M	Rear Face	27710	1	2	Reduce	1	0	-	21.5	20.75	-0.08	0.282	-	1.189	0.34
	LTE 30	QPSK10M	Left Side	27710	1	2	Reduce	1	0	-	21.5	20.75	0.15	0.238	-	1.189	0.28
	LTE 30	QPSK10M	Top Side	27710	1	2	Reduce	1	0	-	21.5	20.75	0.17	0.192	-	1.189	0.23
P57	LTE 30	QPSK10M	Front Face	27710	1	2	Reduce	25	0	-	20.5	19.66	0.04	0.560	-	1.213	0.68
	LTE 30	QPSK10M	Rear Face	27710	1	2	Reduce	25	0	-	20.5	19.66	0.14	0.305	-	1.213	0.37
	LTE 30	QPSK10M	Left Side	27710	1	2	Reduce	25	0	-	20.5	19.66	0.00	0.240	-	1.213	0.29
	LTE 30	QPSK10M	Top Side	27710	1	2	Reduce	25	0	-	20.5	19.66	-0.02	0.192	-	1.213	0.23
	LTE 30	QPSK10M	Front Face	27710	2	2	Reduce	25	0	-	20.5	19.66	-0.16	0.510	-	1.213	0.62
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	40620	1	0	Full	1	0	62.9	24.0	23.16	-0.15	0.332	1.006	1.213	0.41
	LTE 41 / 38 (PC3)	QPSK20M	Rear Face	40620	1	0	Full	1	0	62.9	24.0	23.16	-0.07	0.160	1.006	1.213	0.20
	LTE 41 / 38 (PC3)	QPSK20M	Left Side	40620	1	0	Full	1	0	62.9	24.0	23.16	-0.14	0.318	1.006	1.213	0.39
	LTE 41 / 38 (PC3)	QPSK20M	Right Side	40620	1	0	Full	1	0	62.9	24.0	23.16	-0.13	0.030	1.006	1.213	0.04
	LTE 41 / 38 (PC3)	QPSK20M	Bottom Side	40620	1	0	Full	1	0	62.9	24.0	23.16	-0.13	0.248	1.006	1.213	0.30
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	40620	1	0	Full	50	50	62.9	23.0	22.29	0.09	0.280	1.006	1.178	0.33
	LTE 41 / 38 (PC3)	QPSK20M	Rear Face	40620	1	0	Full	50	50	62.9	23.0	22.29	-0.16	0.126	1.006	1.178	0.15
	LTE 41 / 38 (PC3)	QPSK20M	Left Side	40620	1	0	Full	50	50	62.9	23.0	22.29	-0.06	0.225	1.006	1.178	0.27
	LTE 41 / 38 (PC3)	QPSK20M	Right Side	40620	1	0	Full	50	50	62.9	23.0	22.29	0.02	0.000	1.006	1.178	0.00
	LTE 41 / 38 (PC3)	QPSK20M	Bottom Side	40620	1	0	Full	50	50	62.9	23.0	22.29	0.17	0.208	1.006	1.178	0.25
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	39750	1	0	Full	1	0	62.9	24.0	23.09	0.07	0.315	1.006	1.233	0.39
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	39790	1	0	Full	1	0	62.9	24.0	23.10	-0.08	0.339	1.006	1.230	0.42
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	40185	1	0	Full	1	0	62.9	24.0	22.94	-0.19	0.369	1.006	1.276	0.47
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	41055	1	0	Full	1	0	62.9	24.0	23.10	-0.06	0.341	1.006	1.230	0.42
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	41490	1	0	Full	1	0	62.9	24.0	23.05	0.13	0.323	1.006	1.245	0.40
	LTE 41C (PC3)	QPSK20M	Front Face	PCC:39750 SCC:39948	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	62.9	24.0	22.66	-0.17	0.294	1.006	1.361	0.40
	LTE 41 / 38 (PC3)	QPSK20M	Front Face	40185	1	0	Full	1	0	62.9	24.0	22.94	0.09	0.335	1.006	1.276	0.43

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 41 (PC2)	QPSK20M	Front Face	40620	1	0	Full	1	0	42.9	26.5	25.58	-0.04	0.335	1.009	1.236	0.42
	LTE 41 (PC2)	QPSK20M	Rear Face	40620	1	0	Full	1	0	42.9	26.5	25.58	-0.02	0.182	1.009	1.236	0.23
	LTE 41 (PC2)	QPSK20M	Left Side	40620	1	0	Full	1	0	42.9	26.5	25.58	0.05	0.348	1.009	1.236	0.43
	LTE 41 (PC2)	QPSK20M	Right Side	40620	1	0	Full	1	0	42.9	26.5	25.58	0.08	0.000	1.009	1.236	0.00
	LTE 41 (PC2)	QPSK20M	Bottom Side	40620	1	0	Full	1	0	42.9	26.5	25.58	-0.04	0.212	1.009	1.236	0.26
	LTE 41 (PC2)	QPSK20M	Front Face	40620	1	0	Full	50	50	42.9	25.5	24.69	0.06	0.305	1.009	1.205	0.37
	LTE 41 (PC2)	QPSK20M	Rear Face	40620	1	0	Full	50	50	42.9	25.5	24.69	0.16	0.142	1.009	1.205	0.17
	LTE 41 (PC2)	QPSK20M	Left Side	40620	1	0	Full	50	50	42.9	25.5	24.69	-0.01	0.279	1.009	1.205	0.34
	LTE 41 (PC2)	QPSK20M	Right Side	40620	1	0	Full	50	50	42.9	25.5	24.69	0.05	0.000	1.009	1.205	0.00
	LTE 41 (PC2)	QPSK20M	Bottom Side	40620	1	0	Full	50	50	42.9	25.5	24.69	0.10	0.216	1.009	1.205	0.26
	LTE 41 (PC2)	QPSK20M	Front Face	39750	1	0	Full	1	0	42.9	26.5	25.22	-0.18	0.359	1.009	1.343	0.49
	LTE 41 (PC2)	QPSK20M	Front Face	39790	1	0	Full	1	0	42.9	26.5	25.29	-0.08	0.391	1.009	1.321	0.52
P58	LTE 41 (PC2)	QPSK20M	Front Face	40185	1	0	Full	1	0	42.9	26.5	25.34	0.17	0.409	1.009	1.306	0.54
	LTE 41 (PC2)	QPSK20M	Front Face	41055	1	0	Full	1	0	42.9	26.5	25.56	0.18	0.404	1.009	1.242	0.51
	LTE 41 (PC2)	QPSK20M	Front Face	41490	1	0	Full	1	0	42.9	26.5	25.32	0.03	0.382	1.009	1.312	0.51
	LTE 41 (PC2)	QPSK20M	Front Face	40620	1	0	Full	100	0	42.9	25.5	24.57	-0.06	0.357	1.009	1.239	0.45
	LTE 41C (PC2)	QPSK20M	Front Face	PCC:39750 SCC:39948	1	0	Full	PCC:1 SCC:1	PCC:99 SCC:0	42.9	26.5	25.32	0.13	0.307	1.009	1.312	0.41
	LTE 41 (PC2)	QPSK20M	Front Face	40620	2	0	Full	1	0	42.9	26.5	25.58	-0.19	0.402	1.009	1.236	0.50
	LTE 41 (PC2)	QPSK20M	Front Face	39750	2	0	Full	1	0	42.9	26.5	25.22	-0.07	0.394	1.009	1.343	0.53
	LTE 41 (PC2)	QPSK20M	Front Face	39790	2	0	Full	1	0	42.9	26.5	25.29	-0.14	0.397	1.009	1.321	0.53
	LTE 41 (PC2)	QPSK20M	Front Face	40185	2	0	Full	1	0	42.9	26.5	25.34	-0.03	0.316	1.009	1.306	0.42
	LTE 41 (PC2)	QPSK20M	Front Face	41055	2	0	Full	1	0	42.9	26.5	25.56	0.03	0.374	1.009	1.242	0.47
	LTE 41 (PC2)	QPSK20M	Front Face	41490	2	0	Full	1	0	42.9	26.5	25.32	0.01	0.405	1.009	1.312	0.54
	LTE 66 / 4	QPSK20M	Front Face	132572	1	0	Reduce	1	50	-	21.0	20.07	0.16	0.324	-	1.239	0.40
	LTE 66 / 4	QPSK20M	Rear Face	132572	1	0	Reduce	1	50	-	21.0	20.07	0.09	0.157	-	1.239	0.19
	LTE 66 / 4	QPSK20M	Left Side	132572	1	0	Reduce	1	50	-	21.0	20.07	0.19	0.144	-	1.239	0.18
	LTE 66 / 4	QPSK20M	Right Side	132572	1	0	Reduce	1	50	-	21.0	20.07	0.19	0.033	-	1.239	0.04
	LTE 66 / 4	QPSK20M	Bottom Side	132572	1	0	Reduce	1	50	-	21.0	20.07	-0.15	0.257	-	1.239	0.32
	LTE 66 / 4	QPSK20M	Front Face	132572	1	0	Reduce	50	25	-	20.0	19.30	-0.03	0.295	-	1.175	0.35
	LTE 66 / 4	QPSK20M	Rear Face	132572	1	0	Reduce	50	25	-	20.0	19.30	0.16	0.146	-	1.175	0.17
	LTE 66 / 4	QPSK20M	Left Side	132572	1	0	Reduce	50	25	-	20.0	19.30	-0.08	0.135	-	1.175	0.16
	LTE 66 / 4	QPSK20M	Right Side	132572	1	0	Reduce	50	25	-	20.0	19.30	-0.19	0.000	-	1.175	0.00
	LTE 66 / 4	QPSK20M	Bottom Side	132572	1	0	Reduce	50	25	-	20.0	19.30	0.12	0.232	-	1.175	0.27
	LTE 66 / 4	QPSK20M	Front Face	132072	1	0	Reduce	1	50	-	21.0	19.96	0.04	0.398	-	1.271	0.51
	LTE 66 / 4	QPSK20M	Front Face	132322	1	0	Reduce	1	50	-	21.0	19.84	-0.15	0.338	-	1.306	0.44
	LTE 66B	QPSK20M	Front Face	PCC:132523 SCC:132622	1	0	Reduce	PCC:1 SCC:1	PCC:49 SCC:0	-	21.0	19.82	-0.06	0.287	-	1.312	0.38
	LTE 66C	QPSK20M	Front Face	PCC:132374 SCC:132572	1	0	Reduce	PCC:1 SCC:1	PCC:99 SCC:0	-	21.0	19.78	0.08	0.294	-	1.324	0.39
	LTE 66 / 4	QPSK20M	Front Face	132072	2	0	Reduce	1	50	-	21.0	19.96	0.07	0.366	-	1.271	0.47
P59	LTE 66	QPSK20M	Front Face	132572	1	2	Reduce	1	50	-	18.0	17.07	0.06	0.441	-	1.239	0.55
	LTE 66	QPSK20M	Rear Face	132572	1	2	Reduce	1	50	-	18.0	17.07	-0.01	0.099	-	1.239	0.12
	LTE 66	QPSK20M	Left Side	132572	1	2	Reduce	1	50	-	18.0	17.07	-0.17	0.215	-	1.239	0.27
	LTE 66	QPSK20M	Top Side	132572	1	2	Reduce	1	50	-	18.0	17.07	0.05	0.110	-	1.239	0.14
	LTE 66	QPSK20M	Front Face	132572	1	2	Reduce	50	25	-	17.0	16.29	-0.19	0.375	-	1.178	0.44
	LTE 66	QPSK20M	Rear Face	132572	1	2	Reduce	50	25	-	17.0	16.29	-0.07	0.095	-	1.178	0.11
	LTE 66	QPSK20M	Left Side	132572	1	2	Reduce	50	25	-	17.0	16.29	-0.02	0.216	-	1.178	0.25
	LTE 66	QPSK20M	Top Side	132572	1	2	Reduce	50	25	-	17.0	16.29	-0.08	0.103	-	1.178	0.12
	LTE 66	QPSK20M	Front Face	132072	1	2	Reduce	50	25	-	17.0	16.21	-0.02	0.284	-	1.199	0.34
	LTE 66	QPSK20M	Front Face	132322	1	2	Reduce	50	25	-	17.0	15.88	-0.03	0.338	-	1.294	0.44
	LTE 66	QPSK20M	Front Face	132572	2	2	Reduce	50	25	-	17.0	16.29	0.15	0.366	-	1.178	0.43
	LTE 71	QPSK20M	Front Face	133372	1	0	Full	1	99	-	24.0	22.60	0.01	0.157	-	1.380	0.22
	LTE 71	QPSK20M	Rear Face	133372	1	0	Full	1	99	-	24.0	22.60	0.10	0.138	-	1.380	0.19
	LTE 71	QPSK20M	Left Side	133372	1	0	Full	1	99	-	24.0	22.60	-0.17	0.049	-	1.380	0.07
	LTE 71	QPSK20M	Right Side	133372	1	0	Full	1	99	-	24.0	22.60	-0.12	0.070	-	1.380	0.10
	LTE 71	QPSK20M	Bottom Side	133372	1	0	Full	1	99	-	24.0	22.60	0.00	0.057	-	1.380	0.08
	LTE 71	QPSK20M	Front Face	133372	1	0	Full	50	50	-	23.0	21.60	0.07	0.143	-	1.380	0.20
	LTE 71	QPSK20M	Rear Face	133372	1	0	Full	50	50	-	23.0	21.60	0.16	0.140	-	1.380	0.19
	LTE 71	QPSK20M	Left Side	133372	1	0	Full	50	50	-	23.0	21.60	-0.15	0.047	-	1.380	0.06
	LTE 71	QPSK20M	Right Side	133372	1	0	Full	50	50	-	23.0	21.60	-0.14	0.066	-	1.380	0.09
	LTE 71	QPSK20M	Bottom Side	133372	1	0	Full	50	50	-	23.0	21.60	0.06	0.053	-	1.380	0.07
P60	LTE 71	QPSK20M	Front Face	133222	1	0	Full	1	99	-	24.0	22.50	0.09	0.158	-	1.413	0.22
	LTE 71	QPSK20M	Front Face	133322	1	0	Full	1	99	-	24.0	22.45	-0.05	0.142	-	1.429	0.20
	LTE 71	QPSK20M	Front Face	133222	2	0	Full	1	99	-	24.0	22.50	0.05	0.145	-	1.413	0.20
	NR n2	DFT-QPSK20M	Front Face	380000	1	2	Reduce	1	1	-	17.0	16.28	0.07	0.517	-	1.180	0.61
	NR n2	DFT-QPSK20M	Rear Face	380000	1	2	Reduce	1	1	-	17.0	16.28	0.09	0.125	-	1.180	0.15
	NR n2	DFT-QPSK20M	Left Side	380000	1	2	Reduce	1	1	-	17.0	16.28	-0.19	0.255	-	1.180	0.30
	NR n2	DFT-QPSK20M	Top Side	380000	1	2	Reduce	1	1	-	17.0	16.28	0.06	0.147	-	1.180	0.17
	NR n2	DFT-QPSK20M	Front Face	380000	1	2	Reduce	50	28	-	17.0	16.23	0.09	0.584	-	1.194	0.70

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
P61	NR n2	DFT-QPSK20M	Rear Face	380000	1	2	Reduce	50	28	-	17.0	16.23	0.13	0.130	-	1.194	0.16
	NR n2	DFT-QPSK20M	Left Side	380000	1	2	Reduce	50	28	-	17.0	16.23	-0.07	0.263	-	1.194	0.31
	NR n2	DFT-QPSK20M	Top Side	380000	1	2	Reduce	50	28	-	17.0	16.23	-0.19	0.154	-	1.194	0.18
	NR n2	DFT-QPSK20M	Front Face	372000	1	2	Reduce	50	28	-	17.0	16.09	0.03	0.598	-	1.233	0.74
	NR n2	DFT-QPSK20M	Front Face	376000	1	2	Reduce	50	28	-	17.0	16.19	-0.07	0.510	-	1.205	0.61
	NR n2	DFT-QPSK20M	Front Face	372000	2	2	Reduce	50	28	-	17.0	16.09	-0.16	0.501	-	1.233	0.62
	NR n5	DFT-QPSK20M	Front Face	166800	1	0	Full	1	1	-	24.0	23.34	-0.19	0.267	-	1.164	0.31
	NR n5	DFT-QPSK20M	Rear Face	166800	1	0	Full	1	1	-	24.0	23.34	0.16	0.184	-	1.164	0.21
	NR n5	DFT-QPSK20M	Left Side	166800	1	0	Full	1	1	-	24.0	23.34	0.09	0.053	-	1.164	0.06
	NR n5	DFT-QPSK20M	Right Side	166800	1	0	Full	1	1	-	24.0	23.34	-0.09	0.094	-	1.164	0.11
P62	NR n5	DFT-QPSK20M	Bottom Side	166800	1	0	Full	1	1	-	24.0	23.34	0.00	0.118	-	1.164	0.14
	NR n5	DFT-QPSK20M	Front Face	166800	1	0	Full	50	0	-	24.0	23.33	-0.09	0.259	-	1.167	0.30
	NR n5	DFT-QPSK20M	Rear Face	166800	1	0	Full	50	0	-	24.0	23.33	-0.08	0.170	-	1.167	0.20
	NR n5	DFT-QPSK20M	Left Side	166800	1	0	Full	50	0	-	24.0	23.33	-0.09	0.050	-	1.167	0.06
	NR n5	DFT-QPSK20M	Right Side	166800	1	0	Full	50	0	-	24.0	23.33	0.12	0.068	-	1.167	0.08
	NR n5	DFT-QPSK20M	Bottom Side	166800	1	0	Full	50	0	-	24.0	23.33	0.19	0.115	-	1.167	0.13
	NR n5	DFT-QPSK20M	Front Face	167300	1	0	Full	1	1	-	24.0	23.27	-0.10	0.295	-	1.183	0.35
	NR n5	DFT-QPSK20M	Front Face	167800	1	0	Full	1	1	-	24.0	23.16	0.03	0.312	-	1.213	0.38
	NR n5	DFT-QPSK20M	Front Face	167800	2	0	Full	1	1	-	24.0	23.16	0.02	0.288	-	1.213	0.35
	NR n25 / 2	DFT-QPSK20M	Front Face	376500	1	0	Full	1	1	-	24.0	23.25	-0.09	0.442	-	1.189	0.53
P63	NR n25 / 2	DFT-QPSK20M	Rear Face	376500	1	0	Full	1	1	-	24.0	23.25	-0.06	0.268	-	1.189	0.32
	NR n25 / 2	DFT-QPSK20M	Left Side	376500	1	0	Full	1	1	-	24.0	23.25	-0.02	0.290	-	1.189	0.34
	NR n25 / 2	DFT-QPSK20M	Right Side	376500	1	0	Full	1	1	-	24.0	23.25	-0.12	0.000	-	1.189	0.00
	NR n25 / 2	DFT-QPSK20M	Bottom Side	376500	1	0	Full	1	1	-	24.0	23.25	0.04	0.266	-	1.189	0.32
	NR n25 / 2	DFT-QPSK20M	Front Face	376500	1	0	Full	50	56	-	24.0	23.16	-0.04	0.422	-	1.213	0.51
	NR n25 / 2	DFT-QPSK20M	Rear Face	376500	1	0	Full	50	56	-	24.0	23.16	-0.11	0.276	-	1.213	0.33
	NR n25 / 2	DFT-QPSK20M	Left Side	376500	1	0	Full	50	56	-	24.0	23.16	0.17	0.297	-	1.213	0.36
	NR n25 / 2	DFT-QPSK20M	Right Side	376500	1	0	Full	50	56	-	24.0	23.16	0.00	0.043	-	1.213	0.05
	NR n25 / 2	DFT-QPSK20M	Bottom Side	376500	1	0	Full	50	56	-	24.0	23.16	-0.13	0.281	-	1.213	0.34
	NR n25 / 2	DFT-QPSK20M	Front Face	372000	1	0	Full	1	1	-	24.0	23.21	-0.07	0.495	-	1.199	0.59
P64	NR n25 / 2	DFT-QPSK20M	Front Face	381000	1	0	Full	1	1	-	24.0	23.23	0.10	0.589	-	1.194	0.70
	NR n25 / 2	DFT-QPSK20M	Front Face	381000	2	0	Full	1	1	-	24.0	23.23	-0.13	0.512	-	1.194	0.61
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	1	0	Full	1	1	50	26.5	25.39	-0.02	0.407	-	1.291	0.53
	NR n41 (PC2)	DFT-QPSK100M	Rear Face	518598	1	0	Full	1	1	50	26.5	25.39	0.18	0.203	-	1.291	0.26
	NR n41 (PC2)	DFT-QPSK100M	Left Side	518598	1	0	Full	1	1	50	26.5	25.39	0.08	0.367	-	1.291	0.47
	NR n41 (PC2)	DFT-QPSK100M	Right Side	518598	1	0	Full	1	1	50	26.5	25.39	-0.18	0.000	-	1.291	0.00
	NR n41 (PC2)	DFT-QPSK100M	Bottom Side	518598	1	0	Full	1	1	50	26.5	25.39	0.07	0.288	-	1.291	0.37
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	1	0	Full	135	69	50	26.5	24.89	0.10	0.345	-	1.449	0.50
	NR n41 (PC2)	DFT-QPSK100M	Rear Face	518598	1	0	Full	135	69	50	26.5	24.89	-0.04	0.167	-	1.449	0.24
	NR n41 (PC2)	DFT-QPSK100M	Left Side	518598	1	0	Full	135	69	50	26.5	24.89	-0.18	0.307	-	1.449	0.44
P65	NR n41 (PC2)	DFT-QPSK100M	Right Side	518598	1	0	Full	135	69	50	26.5	24.89	0.18	0.000	-	1.449	0.00
	NR n41 (PC2)	DFT-QPSK100M	Bottom Side	518598	1	0	Full	135	69	50	26.5	24.89	0.08	0.214	-	1.449	0.31
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	2	0	Full	1	1	50	26.5	25.39	-0.01	0.411	-	1.291	0.53
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	1	2	Full	1	1	50	26.5	25.28	-0.10	0.361	-	1.324	0.48
	NR n41 (PC2)	DFT-QPSK100M	Rear Face	518598	1	2	Full	1	1	50	26.5	25.28	0.14	0.307	-	1.324	0.41
	NR n41 (PC2)	DFT-QPSK100M	Left Side	518598	1	2	Full	1	1	50	26.5	25.28	-0.01	0.313	-	1.324	0.41
	NR n41 (PC2)	DFT-QPSK100M	Top Side	518598	1	2	Full	1	1	50	26.5	25.28	-0.17	0.195	-	1.324	0.26
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	1	2	Full	135	69	50	26.5	24.75	0.09	0.351	-	1.496	0.53
	NR n41 (PC2)	DFT-QPSK100M	Rear Face	518598	1	2	Full	135	69	50	26.5	24.75	0.13	0.313	-	1.496	0.47
	NR n41 (PC2)	DFT-QPSK100M	Left Side	518598	1	2	Full	135	69	50	26.5	24.75	0.11	0.312	-	1.496	0.47
P66	NR n41 (PC2)	DFT-QPSK100M	Top Side	518598	1	2	Full	135	69	50	26.5	24.75	0.01	0.184	-	1.496	0.28
	NR n41 (PC2)	DFT-QPSK100M	Front Face	518598	2	2	Full	135	69	50	26.5	24.75	0.17	0.291	-	1.496	0.44
P67	NR n41 MIMO (PC2)	CP-QPSK100M	Front Face	528000	1	0+2	Full	1	1	50	25.0	23.79	-0.18	0.380	-	1.321	0.50

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n41 MIMO (PC2)	CP-QPSK100M	Rear Face	528000	1	0+2	Full	1	1	50	25.0	23.79	-0.09	0.212	-	1.321	0.28
	NR n41 MIMO (PC2)	CP-QPSK100M	Left Side	528000	1	0+2	Full	1	1	50	25.0	23.79	-0.12	0.262	-	1.321	0.35
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Side	528000	1	0+2	Full	1	1	50	25.0	23.79	-0.18	0.000	-	1.321	0.00
	NR n41 MIMO (PC2)	CP-QPSK100M	Top Side	528000	1	0+2	Full	1	1	50	25.0	23.79	0.07	0.143	-	1.321	0.19
	NR n41 MIMO (PC2)	CP-QPSK100M	Bottom Side	528000	1	0+2	Full	1	1	50	25.0	23.79	0.17	0.167	-	1.321	0.22
	NR n41 MIMO (PC2)	CP-QPSK100M	Front Face	528000	1	0+2	Full	137	68	50	25.0	23.53	0.06	0.280	-	1.403	0.39
	NR n41 MIMO (PC2)	CP-QPSK100M	Rear Face	528000	1	0+2	Full	137	68	50	25.0	23.53	-0.06	0.179	-	1.403	0.25
	NR n41 MIMO (PC2)	CP-QPSK100M	Left Side	528000	1	0+2	Full	137	68	50	25.0	23.53	0.04	0.222	-	1.403	0.31
	NR n41 MIMO (PC2)	CP-QPSK100M	Right Side	528000	1	0+2	Full	137	68	50	25.0	23.53	-0.13	0.000	-	1.403	0.00
	NR n41 MIMO (PC2)	CP-QPSK100M	Top Side	528000	1	0+2	Full	137	68	50	25.0	23.53	-0.08	0.133	-	1.403	0.19
	NR n41 MIMO (PC2)	CP-QPSK100M	Bottom Side	528000	1	0+2	Full	137	68	50	25.0	23.53	-0.07	0.191	-	1.403	0.27
	NR n41 MIMO (PC2)	CP-QPSK100M	Front Face	528000	2	0+2	Full	1	1	50	25.0	23.79	0.11	0.305	-	1.321	0.40
	NR n66	DFT-QPSK30M	Front Face	349000	1	0	Reduce	1	1	-	23.0	22.42	-0.12	0.528	-	1.143	0.60
	NR n66	DFT-QPSK30M	Rear Face	349000	1	0	Reduce	1	1	-	23.0	22.42	0.00	0.230	-	1.143	0.26
	NR n66	DFT-QPSK30M	Left Side	349000	1	0	Reduce	1	1	-	23.0	22.42	-0.09	0.252	-	1.143	0.29
	NR n66	DFT-QPSK30M	Right Side	349000	1	0	Reduce	1	1	-	23.0	22.42	-0.04	0.000	-	1.143	0.00
	NR n66	DFT-QPSK30M	Bottom Side	349000	1	0	Reduce	1	1	-	23.0	22.42	-0.04	0.449	-	1.143	0.51
	NR n66	DFT-QPSK30M	Front Face	349000	1	0	Reduce	80	0	-	23.0	22.30	0.15	0.537	-	1.175	0.63
	NR n66	DFT-QPSK30M	Rear Face	349000	1	0	Reduce	80	0	-	23.0	22.30	-0.06	0.243	-	1.175	0.29
	NR n66	DFT-QPSK30M	Left Side	349000	1	0	Reduce	80	0	-	23.0	22.30	0.18	0.232	-	1.175	0.27
	NR n66	DFT-QPSK30M	Right Side	349000	1	0	Reduce	80	0	-	23.0	22.30	-0.18	0.000	-	1.175	0.00
	NR n66	DFT-QPSK30M	Bottom Side	349000	1	0	Reduce	80	0	-	23.0	22.30	-0.04	0.437	-	1.175	0.51
	NR n66	DFT-QPSK30M	Front Face	345000	1	0	Reduce	80	0	-	23.0	22.21	0.10	0.534	-	1.199	0.64
	NR n66	DFT-QPSK30M	Front Face	353000	1	0	Reduce	80	0	-	23.0	22.19	0.02	0.520	-	1.205	0.63
	NR n66	DFT-QPSK30M	Front Face	345000	2	0	Reduce	80	0	-	23.0	22.21	0.06	0.502	-	1.199	0.60
	NR n66	DFT-QPSK30M	Front Face	349000	1	2	Reduce	1	1	-	19.0	18.47	-0.09	0.385	-	1.130	0.43
	NR n66	DFT-QPSK30M	Rear Face	349000	1	2	Reduce	1	1	-	19.0	18.47	-0.10	0.086	-	1.130	0.10
	NR n66	DFT-QPSK30M	Left Side	349000	1	2	Reduce	1	1	-	19.0	18.47	0.12	0.187	-	1.130	0.21
	NR n66	DFT-QPSK30M	Top Side	349000	1	2	Reduce	1	1	-	19.0	18.47	-0.14	0.093	-	1.130	0.11
	NR n66	DFT-QPSK30M	Front Face	349000	1	2	Reduce	80	0	-	19.0	18.38	-0.11	0.539	-	1.153	0.62
	NR n66	DFT-QPSK30M	Rear Face	349000	1	2	Reduce	80	0	-	19.0	18.38	-0.14	0.097	-	1.153	0.11
	NR n66	DFT-QPSK30M	Left Side	349000	1	2	Reduce	80	0	-	19.0	18.38	-0.18	0.206	-	1.153	0.24
	NR n66	DFT-QPSK30M	Top Side	349000	1	2	Reduce	80	0	-	19.0	18.38	0.12	0.103	-	1.153	0.12
	NR n66	DFT-QPSK30M	Front Face	345000	1	2	Reduce	80	0	-	19.0	18.35	-0.03	0.350	-	1.161	0.41
P65	NR n66	DFT-QPSK30M	Front Face	353000	1	2	Reduce	80	0	-	19.0	18.29	0.04	0.559	-	1.178	0.66
	NR n66	DFT-QPSK30M	Front Face	353000	2	2	Reduce	80	0	-	19.0	18.29	-0.05	0.487	-	1.178	0.57
	NR n71	DFT-QPSK20M	Front Face	134600	1	0	Full	1	1	-	24.0	23.27	-0.04	0.163	-	1.183	0.19
P66	NR n71	DFT-QPSK20M	Rear Face	134600	1	0	Full	1	1	-	24.0	23.27	0.01	0.196	-	1.183	0.23
	NR n71	DFT-QPSK20M	Left Side	134600	1	0	Full	1	1	-	24.0	23.27	0.12	0.085	-	1.183	0.10
	NR n71	DFT-QPSK20M	Right Side	134600	1	0	Full	1	1	-	24.0	23.27	0.19	0.080	-	1.183	0.09
	NR n71	DFT-QPSK20M	Bottom Side	134600	1	0	Full	1	1	-	24.0	23.27	-0.10	0.041	-	1.183	0.05
	NR n71	DFT-QPSK20M	Front Face	134600	1	0	Full	50	28	-	24.0	23.08	0.15	0.156	-	1.236	0.19
	NR n71	DFT-QPSK20M	Rear Face	134600	1	0	Full	50	28	-	24.0	23.08	0.02	0.182	-	1.236	0.22
	NR n71	DFT-QPSK20M	Left Side	134600	1	0	Full	50	28	-	24.0	23.08	0.17	0.081	-	1.236	0.10
	NR n71	DFT-QPSK20M	Right Side	134600	1	0	Full	50	28	-	24.0	23.08	0.15	0.075	-	1.236	0.09
	NR n71	DFT-QPSK20M	Bottom Side	134600	1	0	Full	50	28	-	24.0	23.08	-0.14	0.000	-	1.236	0.00
	NR n71	DFT-QPSK20M	Rear Face	136100	1	0	Full	1	1	-	24.0	23.19	-0.04	0.183	-	1.205	0.22
	NR n71	DFT-QPSK20M	Rear Face	137600	1	0	Full	1	1	-	24.0	23.14	0.15	0.165	-	1.219	0.20
	NR n71	DFT-QPSK20M	Rear Face	134600	2	0	Full	1	1	-	24.0	23.27	0.15	0.126	-	1.183	0.15
	NR n77 / 78 (PC2)	DFT-QPSK100M	Front Face	633334	1	7	Full	1	1	50	28.0	27.00	-0.11	0.311	-	1.259	0.39
	NR n77 / 78 (PC2)	DFT-QPSK100M	Rear Face	633334	1	7	Full	1	1	50	28.0	27.00	0.03	0.509	-	1.259	0.64
	NR n77 / 78 (PC2)	DFT-QPSK100M	Right Side	633334	1	7	Full	1	1	50	28.0	27.00	0.19	0.480	-	1.259	0.60
	NR n77 / 78 (PC2)	DFT-QPSK100M	Front Face	633334	1	7	Full	135	69	50	28.0	26.63	-0.18	0.320	-	1.371	0.44
	NR n77 / 78 (PC2)	DFT-QPSK100M	Rear Face	633334	1	7	Full	135	69	50	28.0	26.63	-0.06	0.463	-	1.371	0.63
	NR n77 / 78 (PC2)	DFT-QPSK100M	Right Side	633334	1	7	Full	135	69	50	28.0	26.63	0.16	0.467	-	1.371	0.64

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	NR n77 / 78 (PC2)	DFT-QPSK100M	Rear Face	633334	2	7	Full	1	1	50	28.0	27.00	-0.11	0.327	-	1.259	0.41
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Front Face	633334	1	1+7	Full	1	1	50	25.5	24.48	-0.17	0.269	-	1.265	0.34
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Rear Face	633334	1	1+7	Full	1	1	50	25.5	24.48	-0.05	0.431	-	1.265	0.55
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Left Side	633334	1	1+7	Full	1	1	50	25.5	24.48	-0.14	0.248	-	1.265	0.31
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Right Side	633334	1	1+7	Full	1	1	50	25.5	24.48	-0.05	0.405	-	1.265	0.51
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Bottom Side	633334	1	1+7	Full	1	1	50	25.5	24.48	0.16	0.086	-	1.265	0.11
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Front Face	633334	1	1+7	Full	137	68	50	25.5	24.08	0.17	0.297	-	1.387	0.41
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Rear Face	633334	1	1+7	Full	137	68	50	25.5	24.08	-0.03	0.393	-	1.387	0.54
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Left Side	633334	1	1+7	Full	137	68	50	25.5	24.08	0.14	0.259	-	1.387	0.36
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Right Side	633334	1	1+7	Full	137	68	50	25.5	24.08	0.16	0.340	-	1.387	0.47
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Bottom Side	633334	1	1+7	Full	137	68	50	25.5	24.08	0.16	0.080	-	1.387	0.11
	NR n77 / 78 MIMO (PC2)	CP-QPSK100M	Rear Face	633334	2	1+7	Full	1	1	50	25.5	24.48	0.06	0.237	-	1.265	0.30
	NR n77 (PC2)	DFT-QPSK100M	Front Face	656000	1	7	Full	1	1	50	28.0	27.82	-0.07	0.497	-	1.042	0.52
	NR n77 (PC2)	DFT-QPSK100M	Rear Face	656000	1	7	Full	1	1	50	28.0	27.82	-0.14	0.617	-	1.042	0.64
P67	NR n77 (PC2)	DFT-QPSK100M	Right Side	656000	1	7	Full	1	1	50	28.0	27.82	-0.13	0.645	-	1.042	0.67
	NR n77 (PC2)	DFT-QPSK100M	Front Face	656000	1	7	Full	135	69	50	28.0	27.57	0.08	0.399	-	1.104	0.44
	NR n77 (PC2)	DFT-QPSK100M	Rear Face	656000	1	7	Full	135	69	50	28.0	27.57	0.03	0.454	-	1.104	0.50
	NR n77 (PC2)	DFT-QPSK100M	Right Side	656000	1	7	Full	135	69	50	28.0	27.57	-0.14	0.441	-	1.104	0.49
	NR n77 (PC2)	DFT-QPSK100M	Front Face	656000	2	7	Full	135	69	50	28.0	27.57	-0.18	0.569	-	1.104	0.63
	NR n77 MIMO (PC2)	CP-QPSK100M	Front Face	650000	1	1+7	Full	1	1	50	25.5	24.45	-0.13	0.296	-	1.274	0.38
	NR n77 MIMO (PC2)	CP-QPSK100M	Rear Face	650000	1	1+7	Full	1	1	50	25.5	24.45	-0.02	0.350	-	1.274	0.45
	NR n77 MIMO (PC2)	CP-QPSK100M	Left Side	650000	1	1+7	Full	1	1	50	25.5	24.45	-0.15	0.293	-	1.274	0.37
	NR n77 MIMO (PC2)	CP-QPSK100M	Right Side	650000	1	1+7	Full	1	1	50	25.5	24.45	-0.11	0.325	-	1.274	0.41
	NR n77 MIMO (PC2)	CP-QPSK100M	Bottom Side	650000	1	1+7	Full	1	1	50	25.5	24.45	-0.13	0.190	-	1.274	0.24
	NR n77 MIMO (PC2)	CP-QPSK100M	Front Face	650000	1	1+7	Full	137	68	50	25.5	24.29	-0.09	0.237	-	1.321	0.31
	NR n77 MIMO (PC2)	CP-QPSK100M	Rear Face	650000	1	1+7	Full	137	68	50	25.5	24.29	0.07	0.329	-	1.321	0.43
	NR n77 MIMO (PC2)	CP-QPSK100M	Left Side	650000	1	1+7	Full	137	68	50	25.5	24.29	0.00	0.268	-	1.321	0.35
	NR n77 MIMO (PC2)	CP-QPSK100M	Right Side	650000	1	1+7	Full	137	68	50	25.5	24.29	0.16	0.335	-	1.321	0.44
	NR n77 MIMO (PC2)	CP-QPSK100M	Bottom Side	650000	1	1+7	Full	137	68	50	25.5	24.29	-0.15	0.121	-	1.321	0.16
	NR n77 MIMO (PC2)	CP-QPSK100M	Rear Face	650000	2	1+7	Full	1	1	50	25.5	24.45	0.19	0.169	-	1.274	0.22
	WLAN2.4G	802.11b	Front Face	6	1	6	Full	-	-	99.93	13.0	12.52	0.11	0.052	1.001	1.117	0.06
	WLAN2.4G	802.11b	Rear Face	6	1	6	Full	-	-	99.93	13.0	12.52	0.07	0.046	1.001	1.117	0.05
	WLAN2.4G	802.11b	Right Side	6	1	6	Full	-	-	99.93	13.0	12.52	0.06	0.049	1.001	1.117	0.05
	WLAN2.4G	802.11b	Top Side	6	1	6	Full	-	-	99.93	13.0	12.52	0.00	0.029	1.001	1.117	0.03
	WLAN2.4G	802.11b	Front Face	1	1	6	Full	-	-	99.93	13.0	12.02	0.07	0.028	1.001	1.253	0.04
	WLAN2.4G	802.11b	Front Face	11	1	6	Full	-	-	99.93	13.0	12.21	-0.06	0.043	1.001	1.199	0.05
	WLAN2.4G	802.11b	Front Face	6	2	6	Full	-	-	99.93	13.0	12.52	-0.04	0.043	1.001	1.117	0.05
	WLAN2.4G	802.11b	Front Face	1	1	8	Full	-	-	99.93	13.0	12.37	0.04	0.042	1.001	1.156	0.05
	WLAN2.4G	802.11b	Rear Face	1	1	8	Full	-	-	99.93	13.0	12.37	-0.11	0.053	1.001	1.156	0.06
	WLAN2.4G	802.11b	Left Side	1	1	8	Full	-	-	99.93	13.0	12.37	0.11	0.045	1.001	1.156	0.05
	WLAN2.4G	802.11b	Rear Face	6	1	8	Full	-	-	99.93	13.0	12.22	-0.16	0.048	1.001	1.197	0.06
	WLAN2.4G	802.11b	Rear Face	11	1	8	Full	-	-	99.93	13.0	11.83	0.01	0.035	1.001	1.309	0.05
	WLAN2.4G	802.11b	Rear Face	1	2	8	Full	-	-	99.93	13.0	12.37	0.02	0.024	1.001	1.156	0.03
	WLAN2.4G	802.11b	Front Face	6	1	6+8	Full	-	-	99.93	16.0	15.50	0.17	0.049	1.001	1.122	0.06
P68	WLAN2.4G	802.11b	Rear Face	6	1	6+8	Full	-	-	99.93	16.0	15.50	-0.01	0.071	1.001	1.122	0.08
	WLAN2.4G	802.11b	Left Side	6	1	6+8	Full	-	-	99.93	16.0	15.50	0.14	0.019	1.001	1.122	0.02
	WLAN2.4G	802.11b	Right Side	6	1	6+8	Full	-	-	99.93	16.0	15.50	0.08	0.046	1.001	1.122	0.05
	WLAN2.4G	802.11b	Top Side	6	1	6+8	Full	-	-	99.93	16.0	15.50	0.19	0.039	1.001	1.122	0.04

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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	RB#	RB Offset	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Rear Face	1	1	6+8	Full	-	-	99.93	16.0	15.39	0.09	0.058	1.001	1.151	0.07
	WLAN2.4G	802.11b	Rear Face	11	1	6+8	Full	-	-	99.93	16.0	15.23	0.01	0.057	1.001	1.194	0.07
	WLAN2.4G	802.11b	Rear Face	6	2	6+8	Full	-	-	99.93	16.0	15.50	-0.08	0.032	1.001	1.122	0.04
	BT	GFSK	Front Face	39	1	6	Full	-	-	78.5	9.0	8.50	0.07	0.004	1.274	1.122	0.01
P69	BT	GFSK	Rear Face	39	1	6	Full	-	-	78.5	9.0	8.50	0.01	0.033	1.274	1.122	0.05
	BT	GFSK	Right Side	39	1	6	Full	-	-	78.5	9.0	8.50	-0.16	0.018	1.274	1.122	0.03
	BT	GFSK	Top Side	39	1	6	Full	-	-	78.5	9.0	8.50	0.14	0.000	1.274	1.122	0.00
	BT	GFSK	Rear Face	0	1	6	Full	-	-	78.5	9.0	7.75	-0.06	0.021	1.274	1.334	0.04
	BT	GFSK	Rear Face	78	1	6	Full	-	-	78.5	9.0	7.95	-0.02	0.024	1.274	1.274	0.04
	BT	GFSK	Rear Face	39	1	6	Full	-	-	78.5	9.0	8.50	-0.09	0.013	1.274	1.122	0.02

4.6.5 SAR Results for Extremity Exposure Condition (Separation Distance is 0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
	WLAN5.3G	802.11ax40	Front Face	62	1	6	Full	99.63	15.0	14.24	0.16	0.114	1.004	1.191	0.14
	WLAN5.3G	802.11ax40	Rear Face	62	1	6	Full	99.63	15.0	14.24	-0.05	0.370	1.004	1.191	0.44
	WLAN5.3G	802.11ax40	Right Side	62	1	6	Full	99.63	15.0	14.24	0.19	0.135	1.004	1.191	0.16
	WLAN5.3G	802.11ax40	Top Side	62	1	6	Full	99.63	15.0	14.24	0.18	0.133	1.004	1.191	0.16
	WLAN5.3G	802.11ax40	Rear Face	54	1	6	Full	99.63	15.0	14.10	0.12	0.302	1.004	1.230	0.37
	WLAN5.3G	802.11ax40	Rear Face	62	2	6	Full	99.63	15.0	14.24	0.14	0.206	1.004	1.191	0.25
	WLAN5.3G	802.11ax40	Front Face	62	1	8	Full	99.63	15.0	14.15	-0.10	0.080	1.004	1.216	0.10
	WLAN5.3G	802.11ax40	Rear Face	62	1	8	Full	99.63	15.0	14.15	-0.03	0.371	1.004	1.216	0.45
	WLAN5.3G	802.11ax40	Left Side	62	1	8	Full	99.63	15.0	14.15	-0.01	0.286	1.004	1.216	0.35
P70	WLAN5.3G	802.11ax40	Left Side	54	1	8	Full	99.63	15.0	13.98	0.08	0.470	1.004	1.265	0.60
	WLAN5.3G	802.11ax40	Left Side	54	2	8	Full	99.63	15.0	13.98	0.13	0.408	1.004	1.265	0.52
	WLAN5.3G	802.11ax40	Front Face	62	1	6+8	Full	99.63	17.5	16.76	0.11	0.025	1.004	1.186	0.03
	WLAN5.3G	802.11ax40	Rear Face	62	1	6+8	Full	99.63	17.5	16.76	-0.05	0.140	1.004	1.186	0.17
	WLAN5.3G	802.11ax40	Left Side	62	1	6+8	Full	99.63	17.5	16.76	-0.06	0.051	1.004	1.186	0.06
	WLAN5.3G	802.11ax40	Right Side	62	1	6+8	Full	99.63	17.5	16.76	-0.18	0.102	1.004	1.186	0.12
	WLAN5.3G	802.11ax40	Top Side	62	1	6+8	Full	99.63	17.5	16.76	0.12	0.039	1.004	1.186	0.05
	WLAN5.3G	802.11ax40	Rear Face	54	1	6+8	Full	99.63	17.5	16.70	0.10	0.110	1.004	1.202	0.13
	WLAN5.3G	802.11ax40	Rear Face	62	2	6+8	Full	99.63	17.5	16.76	-0.11	0.086	1.004	1.186	0.10
	WLAN5.5G	802.11ax40	Front Face	134	1	6	Full	99.63	15.0	14.25	0.11	0.117	1.004	1.189	0.14
	WLAN5.5G	802.11ax40	Rear Face	134	1	6	Full	99.63	15.0	14.25	0.07	0.216	1.004	1.189	0.26
	WLAN5.5G	802.11ax40	Right Side	134	1	6	Full	99.63	15.0	14.25	-0.18	0.142	1.004	1.189	0.17
	WLAN5.5G	802.11ax40	Top Side	134	1	6	Full	99.63	15.0	14.25	0.16	0.166	1.004	1.189	0.20
	WLAN5.5G	802.11ax40	Rear Face	102	1	6	Full	99.63	15.0	14.16	-0.13	0.427	1.004	1.213	0.52
P71	WLAN5.5G	802.11ax40	Rear Face	110	1	6	Full	99.63	15.0	14.14	0.01	0.480	1.004	1.219	0.59
	WLAN5.5G	802.11ax40	Rear Face	142	1	6	Full	99.63	15.0	13.94	0.05	0.448	1.004	1.276	0.57
	WLAN5.5G	802.11ax40	Rear Face	110	2	6	Full	99.63	15.0	14.14	0.09	0.214	1.004	1.219	0.26
	WLAN5.5G	802.11ax40	Front Face	134	1	8	Full	99.63	15.0	14.59	0.14	0.035	1.004	1.099	0.04
	WLAN5.5G	802.11ax40	Rear Face	134	1	8	Full	99.63	15.0	14.59	0.17	0.165	1.004	1.099	0.18
	WLAN5.5G	802.11ax40	Left Side	134	1	8	Full	99.63	15.0	14.59	0.03	0.178	1.004	1.099	0.20
	WLAN5.5G	802.11ax40	Left Side	102	1	8	Full	99.63	15.0	14.42	-0.16	0.223	1.004	1.143	0.26
	WLAN5.5G	802.11ax40	Left Side	110	1	8	Full	99.63	15.0	14.41	0.03	0.203	1.004	1.146	0.23
	WLAN5.5G	802.11ax40	Left Side	142	1	8	Full	99.63	15.0	14.34	0.15	0.207	1.004	1.164	0.24
	WLAN5.5G	802.11ax40	Left Side	102	1	8	Full	99.63	15.0	14.42	-0.11	0.111	1.004	1.143	0.13
	WLAN5.5G	802.11ax40	Front Face	102	1	6+8	Full	99.63	18.0	17.47	0.07	0.132	1.004	1.130	0.15
	WLAN5.5G	802.11ax40	Rear Face	102	1	6+8	Full	99.63	18.0	17.47	0.01	0.208	1.004	1.130	0.24
	WLAN5.5G	802.11ax40	Left Side	102	1	6+8	Full	99.63	18.0	17.47	0.03	0.165	1.004	1.130	0.19
	WLAN5.5G	802.11ax40	Right Side	102	1	6+8	Full	99.63	18.0	17.47	-0.03	0.207	1.004	1.130	0.23
	WLAN5.5G	802.11ax40	Top Side	102	1	6+8	Full	99.63	18.0	17.47	-0.18	0.175	1.004	1.130	0.20
	WLAN5.5G	802.11ax40	Rear Face	110	1	6+8	Full	99.63	18.0	17.29	0.17	0.368	1.004	1.178	0.43
	WLAN5.5G	802.11ax40	Rear Face	134	1	6+8	Full	99.63	18.0	17.03	-0.08	0.321	1.004	1.250	0.40
	WLAN5.5G	802.11ax40	Rear Face	142	1	6+8	Full	99.63	18.0	17.16	0.00	0.349	1.004	1.213	0.43
	WLAN5.5G	802.11ax40	Rear Face	110	2	6+8	Full	99.63	18.0	17.29	0.15	0.197	1.004	1.178	0.23
	WLAN5.8G	802.11ax40	Front Face	159	1	6	Full	99.63	15.0	14.12	-0.18	0.134	1.004	1.225	0.16
P72	WLAN5.8G	802.11ax40	Rear Face	159	1	6	Full	99.63	15.0	14.12	0.05	0.392	1.004	1.225	0.48
	WLAN5.8G	802.11ax40	Right Side	159	1	6	Full	99.63	15.0	14.12	0.01	0.135	1.004	1.225	0.17
	WLAN5.8G	802.11ax40	Top Side	159	1	6	Full	99.63	15.0	14.12	-0.06	0.244	1.004	1.225	0.30
	WLAN5.8G	802.11ax40	Rear Face	151	1	6	Full	99.63	15.0	13.78	-0.19	0.351	1.004	1.324	0.47
	WLAN5.8G	802.11ax40	Rear Face	159	2	6	Full	99.63	15.0	14.12	-0.06	0.178	1.004	1.225	0.22
	WLAN5.8G	802.11ax40	Front Face	159	1	8	Full	99.63	16.0	15.40	0.17	0.061	1.004	1.148	0.07
	WLAN5.8G	802.11ax40	Rear Face	159	1	8	Full	99.63	16.0	15.40	-0.18	0.206	1.004	1.148	0.24



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Plot No.	Band	Mode	Test Position	Ch.	Sample	Ant	Power Reduction	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
	WLAN5.8G	802.11ax40	Left Side	159	1	8	Full	99.63	16.0	15.40	-0.14	0.226	1.004	1.148	0.26
	WLAN5.8G	802.11ax40	Left Side	151	1	8	Full	99.63	15.0	14.37	0.03	0.209	1.004	1.156	0.24
	WLAN5.8G	802.11ax40	Left Side	159	2	8	Full	99.63	16.0	15.40	-0.03	0.089	1.004	1.148	0.10
	WLAN5.8G	802.11ax40	Front Face	151	1	6+8	Full	99.63	18.0	17.23	-0.11	0.101	1.004	1.194	0.12
	WLAN5.8G	802.11ax40	Rear Face	151	1	6+8	Full	99.63	18.0	17.23	0.11	0.216	1.004	1.194	0.26
	WLAN5.8G	802.11ax40	Left Side	151	1	6+8	Full	99.63	18.0	17.23	-0.12	0.209	1.004	1.194	0.25
	WLAN5.8G	802.11ax40	Right Side	151	1	6+8	Full	99.63	18.0	17.23	-0.02	0.109	1.004	1.194	0.13
	WLAN5.8G	802.11ax40	Top Side	151	1	6+8	Full	99.63	18.0	17.23	0.01	0.154	1.004	1.194	0.18
	WLAN5.8G	802.11ax40	Rear Face	159	1	6+8	Full	99.63	18.0	17.09	-0.18	0.114	1.004	1.233	0.14
	WLAN5.8G	802.11ax40	Rear Face	151	2	6+8	Full	99.63	18.0	17.23	0.06	0.102	1.004	1.194	0.12

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4.6.6 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 may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 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	Test Position	Separation Distance (cm)	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
LTE 7	Right Cheek	0	20850	0.874	0.868	1.007	N/A	N/A	N/A	N/A
LTE 30	Right Cheek	0	27710	0.904	0.888	1.018	N/A	N/A	N/A	N/A
NR n77	Right Cheek	0	656000	0.913	0.900	1.014	N/A	N/A	N/A	N/A

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4.6.7 Simultaneous Multi-band Transmission Evaluation

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

Simultaneous TX Combination	Capable Transmit Configurations	Head	Body worn	Hotspot
1	WWAN + BT	Yes	Yes	Yes
2	WWAN + WLAN2.4GHz SISO/MIMO	Yes	Yes	Yes
3	WWAN + WLAN5GHz SISO/MIMO	Yes	Yes	No
4	WWAN + WLAN6GHz SISO/MIMO	Yes	Yes	No
5	WWAN + WLAN5GHz SISO(Ant8) + BT(Ant6)	Yes	Yes	No
6	WWAN + WLAN6GHz SISO(Ant8) + BT(Ant6)	Yes	Yes	No

<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.

<WWAN (Single band) + WLAN2.4G/5G + BT>

Head Exposure Condition:

WAN Band	Exposure Position	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE 5	Right Cheek	0.289	0.165	0.132	0.071	0.000	0.45	0.42	0.36
	Right Tilted	0.169	0.079	0.134	0.048	0.000	0.25	0.30	0.22
	Left Cheek	0.210	0.338	0.374	0.078	0.015	0.55	0.58	0.30
	Left Tilted	0.167	0.145	0.198	0.029	0.000	0.31	0.37	0.20
LTE 7	Right Cheek	0.327	0.165	0.132	0.071	0.000	0.49	0.46	0.40
	Right Tilted	0.305	0.079	0.134	0.048	0.000	0.38	0.44	0.35
	Left Cheek	0.602	0.338	0.374	0.078	0.015	0.94	0.98	0.70
	Left Tilted	0.218	0.145	0.198	0.029	0.000	0.36	0.42	0.25
LTE 12	Right Cheek	0.179	0.165	0.132	0.071	0.000	0.34	0.31	0.25
	Right Tilted	0.078	0.079	0.134	0.048	0.000	0.16	0.21	0.13
	Left Cheek	0.141	0.338	0.374	0.078	0.015	0.48	0.51	0.23
	Left Tilted	0.083	0.145	0.198	0.029	0.000	0.23	0.28	0.11
LTE 13	Right Cheek	0.230	0.165	0.132	0.071	0.000	0.40	0.36	0.30
	Right Tilted	0.128	0.079	0.134	0.048	0.000	0.21	0.26	0.18
	Left Cheek	0.170	0.338	0.374	0.078	0.015	0.51	0.54	0.26
	Left Tilted	0.126	0.145	0.198	0.029	0.000	0.27	0.32	0.15
LTE 14	Right Cheek	0.229	0.165	0.132	0.071	0.000	0.39	0.36	0.30
	Right Tilted	0.109	0.079	0.134	0.048	0.000	0.19	0.24	0.16
	Left Cheek	0.154	0.338	0.374	0.078	0.015	0.49	0.53	0.25

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WAN Band	Exposure Position	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
	Left Tilted	0.114	0.145	0.198	0.029	0.000	0.26	0.31	0.14
LTE 25/2	Right Cheek	0.269	0.165	0.132	0.071	0.000	0.43	0.40	0.34
	Right Tilted	0.189	0.079	0.134	0.048	0.000	0.27	0.32	0.24
	Left Cheek	0.493	0.338	0.374	0.078	0.015	0.83	0.87	0.59
	Left Tilted	0.171	0.145	0.198	0.029	0.000	0.32	0.37	0.20
LTE 26	Right Cheek	0.288	0.165	0.132	0.071	0.000	0.45	0.42	0.36
	Right Tilted	0.186	0.079	0.134	0.048	0.000	0.27	0.32	0.23
	Left Cheek	0.198	0.338	0.374	0.078	0.015	0.54	0.57	0.29
	Left Tilted	0.153	0.145	0.198	0.029	0.000	0.30	0.35	0.18
LTE 30	Right Cheek	0.385	0.165	0.132	0.071	0.000	0.55	0.52	0.46
	Right Tilted	0.325	0.079	0.134	0.048	0.000	0.40	0.46	0.37
	Left Cheek	0.622	0.338	0.374	0.078	0.015	0.96	1.00	0.72
	Left Tilted	0.248	0.145	0.198	0.029	0.000	0.39	0.45	0.28
LTE 41	Right Cheek	0.157	0.165	0.132	0.071	0.000	0.32	0.29	0.23
	Right Tilted	0.163	0.079	0.134	0.048	0.000	0.24	0.30	0.21
	Left Cheek	0.321	0.338	0.374	0.078	0.015	0.66	0.69	0.41
	Left Tilted	0.109	0.145	0.198	0.029	0.000	0.25	0.31	0.14
LTE 66/4	Right Cheek	0.201	0.165	0.132	0.071	0.000	0.37	0.33	0.27
	Right Tilted	0.123	0.079	0.134	0.048	0.000	0.20	0.26	0.17
	Left Cheek	0.538	0.338	0.374	0.078	0.015	0.88	0.91	0.63
	Left Tilted	0.153	0.145	0.198	0.029	0.000	0.30	0.35	0.18
LTE 71	Right Cheek	0.124	0.165	0.132	0.071	0.000	0.29	0.26	0.20
	Right Tilted	0.062	0.079	0.134	0.048	0.000	0.14	0.20	0.11
	Left Cheek	0.186	0.338	0.374	0.078	0.015	0.52	0.56	0.28
	Left Tilted	0.073	0.145	0.198	0.029	0.000	0.22	0.27	0.10
NR n5	Right Cheek	0.179	0.165	0.132	0.071	0.000	0.34	0.31	0.25
	Right Tilted	0.129	0.079	0.134	0.048	0.000	0.21	0.26	0.18
	Left Cheek	0.132	0.338	0.374	0.078	0.015	0.47	0.51	0.22
	Left Tilted	0.102	0.145	0.198	0.029	0.000	0.25	0.30	0.13
NR n25/2	Right Cheek	0.153	0.165	0.132	0.071	0.000	0.32	0.28	0.22
	Right Tilted	0.113	0.079	0.134	0.048	0.000	0.19	0.25	0.16
	Left Cheek	0.345	0.338	0.374	0.078	0.015	0.68	0.72	0.44
	Left Tilted	0.109	0.145	0.198	0.029	0.000	0.25	0.31	0.14
NR n41	Right Cheek	1.120	0.165	0.132	0.071	0.000	1.29	1.25	1.19
	Right Tilted	0.668	0.079	0.134	0.048	0.000	0.75	0.80	0.72
	Left Cheek	0.519	0.338	0.374	0.078	0.015	0.86	0.89	0.61
	Left Tilted	0.362	0.145	0.198	0.029	0.000	0.51	0.56	0.39
NR n66	Right Cheek	0.149	0.165	0.132	0.071	0.000	0.31	0.28	0.22

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WAN Band	Exposure Position	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
	Right Tilted	0.100	0.079	0.134	0.048	0.000	0.18	0.23	0.15
	Left Cheek	0.350	0.338	0.374	0.078	0.015	0.69	0.72	0.44
	Left Tilted	0.121	0.145	0.198	0.029	0.000	0.27	0.32	0.15
NR n71	Right Cheek	0.109	0.165	0.132	0.071	0.000	0.27	0.24	0.18
	Right Tilted	0.000	0.079	0.134	0.048	0.000	0.08	0.13	0.05
	Left Cheek	0.142	0.338	0.374	0.078	0.015	0.48	0.52	0.24
	Left Tilted	0.056	0.145	0.198	0.029	0.000	0.20	0.25	0.08
NR n77/78	Right Cheek	0.949	0.165	0.132	0.071	0.000	1.11	1.08	1.02
	Right Tilted	0.141	0.079	0.134	0.048	0.000	0.22	0.28	0.19
	Left Cheek	0.358	0.338	0.374	0.078	0.015	0.70	0.73	0.45
	Left Tilted	0.265	0.145	0.198	0.029	0.000	0.41	0.46	0.29

Body worn Exposure condition:

WWAN Band	Exposure Position	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE 5	Front Face	0.563	0.058	0.182	0.085	0.006	0.62	0.75	0.65
	Rear Face	0.337	0.080	0.352	0.352	0.048	0.42	0.69	0.74
LTE 7	Front Face	0.585	0.058	0.182	0.085	0.006	0.64	0.77	0.68
	Rear Face	0.240	0.080	0.352	0.352	0.048	0.32	0.59	0.64
LTE 12	Front Face	0.223	0.058	0.182	0.085	0.006	0.28	0.40	0.31
	Rear Face	0.264	0.080	0.352	0.352	0.048	0.34	0.62	0.66
LTE 13	Front Face	0.434	0.058	0.182	0.085	0.006	0.49	0.62	0.53
	Rear Face	0.291	0.080	0.352	0.352	0.048	0.37	0.64	0.69
LTE 14	Front Face	0.431	0.058	0.182	0.085	0.006	0.49	0.61	0.52
	Rear Face	0.257	0.080	0.352	0.352	0.048	0.34	0.61	0.66
LTE 25/2	Front Face	0.507	0.058	0.182	0.085	0.006	0.56	0.69	0.60
	Rear Face	0.288	0.080	0.352	0.352	0.048	0.37	0.64	0.69
LTE 26	Front Face	0.539	0.058	0.182	0.085	0.006	0.60	0.72	0.63
	Rear Face	0.320	0.080	0.352	0.352	0.048	0.40	0.67	0.72
LTE 30	Front Face	0.534	0.058	0.182	0.085	0.006	0.59	0.72	0.63
	Rear Face	0.228	0.080	0.352	0.352	0.048	0.31	0.58	0.63
LTE 41	Front Face	0.539	0.058	0.182	0.085	0.006	0.60	0.72	0.63
	Rear Face	0.227	0.080	0.352	0.352	0.048	0.31	0.58	0.63
LTE 66/4	Front Face	0.506	0.058	0.182	0.085	0.006	0.56	0.69	0.60
	Rear Face	0.194	0.080	0.352	0.352	0.048	0.27	0.55	0.59
LTE 71	Front Face	0.223	0.058	0.182	0.085	0.006	0.28	0.41	0.31
	Rear Face	0.190	0.080	0.352	0.352	0.048	0.27	0.54	0.59

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WWAN Band	Exposure Position	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
NR n5	Front Face	0.379	0.058	0.182	0.085	0.006	0.44	0.56	0.47
	Rear Face	0.214	0.080	0.352	0.352	0.048	0.29	0.57	0.61
NR n25/2	Front Face	0.703	0.058	0.182	0.085	0.006	0.76	0.89	0.79
	Rear Face	0.335	0.080	0.352	0.352	0.048	0.41	0.69	0.73
NR n41	Front Face	0.526	0.058	0.182	0.085	0.006	0.58	0.71	0.62
	Rear Face	0.280	0.080	0.352	0.352	0.048	0.36	0.63	0.68
NR n66	Front Face	0.641	0.058	0.182	0.085	0.006	0.70	0.82	0.73
	Rear Face	0.286	0.080	0.352	0.352	0.048	0.37	0.64	0.69
NR n71	Front Face	0.193	0.058	0.182	0.085	0.006	0.25	0.37	0.28
	Rear Face	0.232	0.080	0.352	0.352	0.048	0.31	0.58	0.63
NR n77/78	Front Face	0.518	0.058	0.182	0.085	0.006	0.58	0.70	0.61
	Rear Face	0.641	0.080	0.352	0.352	0.048	0.72	0.99	1.04

Hotspot Exposure condition:

WWAN Band	Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	BT Ant6		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE 5	Front Face	0.563	0.058	0.006	0.62	0.57
	Rear Face	0.337	0.080	0.048	0.42	0.39
	Left side	0.080	0.052		0.13	0.08
	Right side	0.100	0.052	0.026	0.15	0.13
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.204			0.20	0.20
LTE 7	Front Face	0.585	0.058	0.006	0.64	0.59
	Rear Face	0.240	0.080	0.048	0.32	0.29
	Left side	0.350	0.052		0.40	0.35
	Right side	0.000	0.052	0.026	0.05	0.03
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.318			0.32	0.32
LTE 12	Front Face	0.223	0.058	0.006	0.28	0.23
	Rear Face	0.264	0.080	0.048	0.34	0.31
	Left side	0.078	0.052		0.13	0.08
	Right side	0.108	0.052	0.026	0.16	0.13
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.076			0.08	0.08
LTE 13	Front Face	0.434	0.058	0.006	0.49	0.44
	Rear Face	0.291	0.080	0.048	0.37	0.34
	Left side	0.078	0.052		0.13	0.08

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WWAN Band	Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	BT Ant6		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	Right side	0.144	0.052	0.026	0.20	0.17
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.225			0.22	0.22
LTE 14	Front Face	0.431	0.058	0.006	0.49	0.44
	Rear Face	0.257	0.080	0.048	0.34	0.30
	Left side	0.070	0.052		0.12	0.07
	Right side	0.115	0.052	0.026	0.17	0.14
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.216			0.22	0.22
LTE 25/2	Front Face	0.507	0.058	0.006	0.56	0.51
	Rear Face	0.288	0.080	0.048	0.37	0.34
	Left side	0.339	0.052		0.39	0.34
	Right side	0.065	0.052	0.026	0.12	0.09
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.275			0.27	0.27
LTE 26	Front Face	0.539	0.058	0.006	0.60	0.54
	Rear Face	0.320	0.080	0.048	0.40	0.37
	Left side	0.108	0.052		0.16	0.11
	Right side	0.106	0.052	0.026	0.16	0.13
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.171			0.17	0.17
LTE 30	Front Face	0.534	0.058	0.006	0.59	0.54
	Rear Face	0.228	0.080	0.048	0.31	0.28
	Left side	0.367	0.052		0.42	0.37
	Right side	0.000	0.052	0.026	0.05	0.03
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.155			0.15	0.15
LTE 41	Front Face	0.539	0.058	0.006	0.60	0.54
	Rear Face	0.227	0.080	0.048	0.31	0.27
	Left side	0.434	0.052		0.49	0.43
	Right side	0.037	0.052	0.026	0.09	0.06
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.303			0.30	0.30
LTE 66/4	Front Face	0.506	0.058	0.006	0.56	0.51
	Rear Face	0.194	0.080	0.048	0.27	0.24
	Left side	0.178	0.052		0.23	0.18
	Right side	0.041	0.052	0.026	0.09	0.07
	Top side		0.044	0.000	0.04	0.00

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WWAN Band	Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	BT Ant6		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	Bottom side	0.318			0.32	0.32
LTE 71	Front Face	0.223	0.058	0.006	0.28	0.23
	Rear Face	0.190	0.080	0.048	0.27	0.24
	Left side	0.068	0.052		0.12	0.07
	Right side	0.097	0.052	0.026	0.15	0.12
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.079			0.08	0.08
NR n5	Front Face	0.379	0.058	0.006	0.44	0.38
	Rear Face	0.214	0.080	0.048	0.29	0.26
	Left side	0.062	0.052		0.11	0.06
	Right side	0.109	0.052	0.026	0.16	0.14
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.137			0.14	0.14
NR n25/2	Front Face	0.703	0.058	0.006	0.76	0.71
	Rear Face	0.335	0.080	0.048	0.41	0.38
	Left side	0.360	0.052		0.41	0.36
	Right side	0.052	0.052	0.026	0.10	0.08
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.341			0.34	0.34
NR n41	Front Face	0.526	0.058	0.006	0.58	0.53
	Rear Face	0.280	0.080	0.048	0.36	0.33
	Left side	0.474	0.052		0.53	0.47
	Right side	0.000	0.052	0.026	0.05	0.03
	Top side	0.189	0.044	0.000	0.23	0.19
	Bottom side	0.372			0.37	0.37
NR n66	Front Face	0.641	0.058	0.006	0.70	0.65
	Rear Face	0.286	0.080	0.048	0.37	0.33
	Left side	0.288	0.052		0.34	0.29
	Right side	0.000	0.052	0.026	0.05	0.03
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.513			0.51	0.51
NR n71	Front Face	0.193	0.058	0.006	0.25	0.20
	Rear Face	0.232	0.080	0.048	0.31	0.28
	Left side	0.101	0.052		0.15	0.10
	Right side	0.095	0.052	0.026	0.15	0.12
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.049			0.05	0.05
NR n77/78	Front Face	0.518	0.058	0.006	0.58	0.52

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WWAN Band	Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
		WWAN	WLAN2.4G SISO/MIMO	BT Ant6		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	Rear Face	0.641	0.080	0.048	0.72	0.69
	Left side	0.373	0.052		0.43	0.37
	Right side	0.672	0.052	0.026	0.72	0.70
	Top side		0.044	0.000	0.04	0.00
	Bottom side	0.242			0.24	0.24

<WWAN (ENDC) + WLAN2.4G/5G + BT>

Head Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
NR Band n2 Ant2	LTE Band 5 Ant0	Right Cheek	0.289	0.935	0.165	0.132	0.071	0.000	1.39	1.35	1.29
		Right Tilted	0.169	0.656	0.079	0.134	0.048	0.000	0.90	0.96	0.87
		Left Cheek	0.210	0.281	0.338	0.374	0.078	0.015	0.83	0.87	0.58
		Left Tilted	0.167	0.197	0.145	0.198	0.029	0.000	0.51	0.56	0.39
	LTE Band 12 Ant0	Right Cheek	0.179	0.935	0.165	0.132	0.071	0.000	1.28	1.24	1.18
		Right Tilted	0.078	0.656	0.079	0.134	0.048	0.000	0.81	0.87	0.78
		Left Cheek	0.141	0.281	0.338	0.374	0.078	0.015	0.76	0.80	0.52
		Left Tilted	0.083	0.197	0.145	0.198	0.029	0.000	0.43	0.48	0.31
	LTE Band 13 Ant0	Right Cheek	0.230	0.935	0.165	0.132	0.071	0.000	1.33	1.30	1.24
		Right Tilted	0.128	0.656	0.079	0.134	0.048	0.000	0.86	0.92	0.83
		Left Cheek	0.170	0.281	0.338	0.374	0.078	0.015	0.79	0.83	0.54
		Left Tilted	0.126	0.197	0.145	0.198	0.029	0.000	0.47	0.52	0.35
	LTE Band 14 Ant0	Right Cheek	0.229	0.935	0.165	0.132	0.071	0.000	1.33	1.29	1.23
		Right Tilted	0.109	0.656	0.079	0.134	0.048	0.000	0.84	0.90	0.81
		Left Cheek	0.154	0.281	0.338	0.374	0.078	0.015	0.77	0.81	0.53
		Left Tilted	0.114	0.197	0.145	0.198	0.029	0.000	0.46	0.51	0.34
	LTE Band 30 Ant0	Right Cheek	0.385	0.935	0.165	0.132	0.071	0.000	1.49	1.45	1.39
		Right Tilted	0.325	0.656	0.079	0.134	0.048	0.000	1.06	1.12	1.03
		Left Cheek	0.622	0.281	0.338	0.374	0.078	0.015	1.24	1.28	1.00
		Left Tilted	0.248	0.197	0.145	0.198	0.029	0.000	0.59	0.64	0.47
	LTE Band 66 Ant0	Right Cheek	0.201	0.935	0.165	0.132	0.071	0.000	1.30	1.27	1.21
		Right Tilted	0.123	0.656	0.079	0.134	0.048	0.000	0.86	0.91	0.83
		Left Cheek	0.538	0.281	0.338	0.374	0.078	0.015	1.16	1.19	0.91
		Left Tilted	0.153	0.197	0.145	0.198	0.029	0.000	0.50	0.55	0.38
	LTE Band 71 Ant0	Right Cheek	0.124	0.935	0.165	0.132	0.071	0.000	1.22	1.19	1.13
		Right Tilted	0.062	0.656	0.079	0.134	0.048	0.000	0.80	0.85	0.77

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WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
		Left Cheek	0.186	0.281	0.338	0.374	0.078	0.015	0.81	0.84	0.56
		Left Tilted	0.073	0.197	0.145	0.198	0.029	0.000	0.42	0.47	0.30
NR Band n2 Ant0	LTE Band 66 Ant2	Right Cheek	0.822	0.153	0.165	0.132	0.071	0.000	1.14	1.11	1.05
		Right Tilted	0.605	0.113	0.079	0.134	0.048	0.000	0.80	0.85	0.77
		Left Cheek	0.291	0.345	0.338	0.374	0.078	0.015	0.97	1.01	0.73
		Left Tilted	0.209	0.109	0.145	0.198	0.029	0.000	0.46	0.52	0.35
NR Band n5 Ant0	LTE Band 2 Ant2	Right Cheek	1.004	0.179	0.165	0.132	0.071	0.000	1.35	1.31	1.25
		Right Tilted	0.627	0.129	0.079	0.134	0.048	0.000	0.84	0.89	0.80
		Left Cheek	0.298	0.132	0.338	0.374	0.078	0.015	0.77	0.80	0.52
		Left Tilted	0.211	0.102	0.145	0.198	0.029	0.000	0.46	0.51	0.34
	LTE Band 30 Ant2	Right Cheek	1.026	0.179	0.165	0.132	0.071	0.000	1.37	1.34	1.28
		Right Tilted	0.708	0.129	0.079	0.134	0.048	0.000	0.92	0.97	0.89
		Left Cheek	0.297	0.132	0.338	0.374	0.078	0.015	0.77	0.80	0.52
		Left Tilted	0.226	0.102	0.145	0.198	0.029	0.000	0.47	0.53	0.36
	LTE Band 66 Ant2	Right Cheek	0.822	0.179	0.165	0.132	0.071	0.000	1.17	1.13	1.07
		Right Tilted	0.605	0.129	0.079	0.134	0.048	0.000	0.81	0.87	0.78
		Left Cheek	0.291	0.132	0.338	0.374	0.078	0.015	0.76	0.80	0.52
		Left Tilted	0.209	0.102	0.145	0.198	0.029	0.000	0.46	0.51	0.34
NR Band n41 Ant2	LTE Band 66 Ant0	Right Cheek	0.201	1.100	0.165	0.132	0.071	0.000	1.47	1.43	1.37
		Right Tilted	0.123	0.575	0.079	0.134	0.048	0.000	0.78	0.83	0.75
		Left Cheek	0.538	0.286	0.338	0.374	0.078	0.015	1.16	1.20	0.92
		Left Tilted	0.153	0.228	0.145	0.198	0.029	0.000	0.53	0.58	0.41
NR Band n66 Ant2	LTE Band 5 Ant0	Right Cheek	0.289	0.853	0.165	0.132	0.071	0.000	1.31	1.27	1.21
		Right Tilted	0.169	0.537	0.079	0.134	0.048	0.000	0.78	0.84	0.75
		Left Cheek	0.210	0.301	0.338	0.374	0.078	0.015	0.85	0.89	0.60
		Left Tilted	0.167	0.210	0.145	0.198	0.029	0.000	0.52	0.58	0.41
	LTE Band 12 Ant0	Right Cheek	0.179	0.853	0.165	0.132	0.071	0.000	1.20	1.16	1.10
		Right Tilted	0.078	0.537	0.079	0.134	0.048	0.000	0.69	0.75	0.66
		Left Cheek	0.141	0.301	0.338	0.374	0.078	0.015	0.78	0.82	0.54
		Left Tilted	0.083	0.210	0.145	0.198	0.029	0.000	0.44	0.49	0.32
	LTE Band 13 Ant0	Right Cheek	0.230	0.853	0.165	0.132	0.071	0.000	1.25	1.21	1.15
		Right Tilted	0.128	0.537	0.079	0.134	0.048	0.000	0.74	0.80	0.71
		Left Cheek	0.170	0.301	0.338	0.374	0.078	0.015	0.81	0.85	0.56
		Left Tilted	0.126	0.210	0.145	0.198	0.029	0.000	0.48	0.53	0.37
	LTE Band 14 Ant0	Right Cheek	0.229	0.853	0.165	0.132	0.071	0.000	1.25	1.21	1.15
		Right Tilted	0.109	0.537	0.079	0.134	0.048	0.000	0.73	0.78	0.69
		Left Cheek	0.154	0.301	0.338	0.374	0.078	0.015	0.79	0.83	0.55
		Left Tilted	0.114	0.210	0.145	0.198	0.029	0.000	0.47	0.52	0.35
			Right Cheek	0.385	0.853	0.165	0.132	0.071	0.000	1.40	1.37

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WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE Band 30 Ant0	Right Tilted	Right Tilted	0.325	0.537	0.079	0.134	0.048	0.000	0.94	1.00	0.91
		Left Cheek	0.622	0.301	0.338	0.374	0.078	0.015	1.26	1.30	1.02
		Left Tilted	0.248	0.210	0.145	0.198	0.029	0.000	0.60	0.66	0.49
	Right Cheek	Right Cheek	0.124	0.853	0.165	0.132	0.071	0.000	1.14	1.11	1.05
		Right Tilted	0.062	0.537	0.079	0.134	0.048	0.000	0.68	0.73	0.65
		Left Cheek	0.186	0.301	0.338	0.374	0.078	0.015	0.83	0.86	0.58
		Left Tilted	0.073	0.210	0.145	0.198	0.029	0.000	0.43	0.48	0.31
NR Band n66 Ant0	Right Cheek	Right Cheek	1.004	0.149	0.165	0.132	0.071	0.000	1.32	1.28	1.22
		Right Tilted	0.627	0.100	0.079	0.134	0.048	0.000	0.81	0.86	0.78
		Left Cheek	0.298	0.350	0.338	0.374	0.078	0.015	0.99	1.02	0.74
		Left Tilted	0.211	0.121	0.145	0.198	0.029	0.000	0.48	0.53	0.36
	Right Cheek	Right Cheek	1.026	0.149	0.165	0.132	0.071	0.000	1.34	1.31	1.25
		Right Tilted	0.708	0.100	0.079	0.134	0.048	0.000	0.89	0.94	0.86
		Left Cheek	0.297	0.350	0.338	0.374	0.078	0.015	0.99	1.02	0.74
		Left Tilted	0.226	0.121	0.145	0.198	0.029	0.000	0.49	0.55	0.38
NR Band n71 Ant0	Right Cheek	Right Cheek	1.004	0.109	0.165	0.132	0.071	0.000	1.28	1.24	1.18
		Right Tilted	0.627	0.000	0.079	0.134	0.048	0.000	0.71	0.76	0.68
		Left Cheek	0.298	0.142	0.338	0.374	0.078	0.015	0.78	0.81	0.53
		Left Tilted	0.211	0.056	0.145	0.198	0.029	0.000	0.41	0.46	0.30
	Right Cheek	Right Cheek	0.822	0.109	0.165	0.132	0.071	0.000	1.10	1.06	1.00
		Right Tilted	0.605	0.000	0.079	0.134	0.048	0.000	0.68	0.74	0.65
		Left Cheek	0.291	0.142	0.338	0.374	0.078	0.015	0.77	0.81	0.53
		Left Tilted	0.209	0.056	0.145	0.198	0.029	0.000	0.41	0.46	0.29
NR Band n77 Ant7	Right Cheek	Right Cheek	0.269	0.949	0.165	0.132	0.071	0.000	1.38	1.35	1.29
		Right Tilted	0.189	0.141	0.079	0.134	0.048	0.000	0.41	0.46	0.38
		Left Cheek	0.493	0.358	0.338	0.374	0.078	0.015	1.19	1.23	0.94
		Left Tilted	0.171	0.265	0.145	0.198	0.029	0.000	0.58	0.63	0.47
	Right Cheek	Right Cheek	0.289	0.949	0.165	0.132	0.071	0.000	1.40	1.37	1.31
		Right Tilted	0.169	0.141	0.079	0.134	0.048	0.000	0.39	0.44	0.36
		Left Cheek	0.210	0.358	0.338	0.374	0.078	0.015	0.91	0.94	0.66
		Left Tilted	0.167	0.265	0.145	0.198	0.029	0.000	0.58	0.63	0.46
	Right Cheek	Right Cheek	0.230	0.949	0.165	0.132	0.071	0.000	1.34	1.31	1.25
		Right Tilted	0.128	0.141	0.079	0.134	0.048	0.000	0.35	0.40	0.32
		Left Cheek	0.170	0.358	0.338	0.374	0.078	0.015	0.87	0.90	0.62
		Left Tilted	0.126	0.265	0.145	0.198	0.029	0.000	0.54	0.59	0.42
	Right Cheek	Right Cheek	0.229	0.949	0.165	0.132	0.071	0.000	1.34	1.31	1.25
		Right Tilted	0.109	0.141	0.079	0.134	0.048	0.000	0.33	0.38	0.30
		Left Cheek	0.154	0.358	0.338	0.374	0.078	0.015	0.85	0.89	0.60
		Left Tilted	0.114	0.265	0.145	0.198	0.029	0.000	0.52	0.58	0.41

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WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
	LTE Band 66 Ant0	Right Cheek	0.201	0.949	0.165	0.132	0.071	0.000	1.32	1.28	1.22
		Right Tilted	0.123	0.141	0.079	0.134	0.048	0.000	0.34	0.40	0.31
		Left Cheek	0.538	0.358	0.338	0.374	0.078	0.015	1.23	1.27	0.99
		Left Tilted	0.153	0.265	0.145	0.198	0.029	0.000	0.56	0.62	0.45

Body worn Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
NR Band n2 Ant2	LTE Band 5 Ant0	Front Face	0.563	0.737	0.058	0.182	0.085	0.006	1.36	1.48	1.39
		Rear Face	0.337	0.155	0.080	0.352	0.352	0.048	0.57	0.84	0.89
	LTE Band 12 Ant0	Front Face	0.223	0.737	0.058	0.182	0.085	0.006	1.02	1.14	1.05
		Rear Face	0.264	0.155	0.080	0.352	0.352	0.048	0.50	0.77	0.82
	LTE Band 13 Ant0	Front Face	0.434	0.737	0.058	0.182	0.085	0.006	1.23	1.35	1.26
		Rear Face	0.291	0.155	0.080	0.352	0.352	0.048	0.53	0.80	0.85
	LTE Band 14 Ant0	Front Face	0.431	0.737	0.058	0.182	0.085	0.006	1.23	1.35	1.26
		Rear Face	0.257	0.155	0.080	0.352	0.352	0.048	0.49	0.76	0.81
	LTE Band 30 Ant0	Front Face	0.534	0.737	0.058	0.182	0.085	0.006	1.33	1.45	1.36
		Rear Face	0.228	0.155	0.080	0.352	0.352	0.048	0.46	0.74	0.78
	LTE Band 66 Ant0	Front Face	0.506	0.737	0.058	0.182	0.085	0.006	1.30	1.43	1.33
		Rear Face	0.194	0.155	0.080	0.352	0.352	0.048	0.43	0.70	0.75
	LTE Band 71 Ant0	Front Face	0.223	0.737	0.058	0.182	0.085	0.006	1.02	1.14	1.05
		Rear Face	0.190	0.155	0.080	0.352	0.352	0.048	0.43	0.70	0.75
NR Band n2 Ant0	LTE Band 66 Ant2	Front Face	0.546	0.703	0.058	0.182	0.085	0.006	1.31	1.43	1.34
		Rear Face	0.123	0.335	0.080	0.352	0.352	0.048	0.54	0.81	0.86
NR Band n5 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.379	0.058	0.182	0.085	0.006	1.06	1.19	1.10
		Rear Face	0.129	0.214	0.080	0.352	0.352	0.048	0.42	0.70	0.74
	LTE Band 30 Ant2	Front Face	0.679	0.379	0.058	0.182	0.085	0.006	1.12	1.24	1.15
		Rear Face	0.370	0.214	0.080	0.352	0.352	0.048	0.66	0.94	0.98
	LTE Band 66 Ant2	Front Face	0.546	0.379	0.058	0.182	0.085	0.006	0.98	1.11	1.02
		Rear Face	0.123	0.214	0.080	0.352	0.352	0.048	0.42	0.69	0.74
NR Band n41 Ant2	LTE Band 66 Ant0	Front Face	0.506	0.525	0.058	0.182	0.085	0.006	1.09	1.21	1.12
		Rear Face	0.194	0.468	0.080	0.352	0.352	0.048	0.74	1.01	1.06
NR Band n66 Ant2	LTE Band 5 Ant0	Front Face	0.563	0.658	0.058	0.182	0.085	0.006	1.28	1.40	1.31
		Rear Face	0.337	0.112	0.080	0.352	0.352	0.048	0.53	0.80	0.85
	LTE Band 12 Ant0	Front Face	0.223	0.658	0.058	0.182	0.085	0.006	0.94	1.06	0.97
		Rear Face	0.264	0.112	0.080	0.352	0.352	0.048	0.46	0.73	0.78

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WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
	LTE Band 13 Ant0	Front Face	0.434	0.658	0.058	0.182	0.085	0.006	1.15	1.27	1.18
		Rear Face	0.291	0.112	0.080	0.352	0.352	0.048	0.48	0.75	0.80
	LTE Band 14 Ant0	Front Face	0.431	0.658	0.058	0.182	0.085	0.006	1.15	1.27	1.18
		Rear Face	0.257	0.112	0.080	0.352	0.352	0.048	0.45	0.72	0.77
	LTE Band 30 Ant0	Front Face	0.534	0.658	0.058	0.182	0.085	0.006	1.25	1.37	1.28
		Rear Face	0.228	0.112	0.080	0.352	0.352	0.048	0.42	0.69	0.74
	LTE Band 71 Ant0	Front Face	0.223	0.658	0.058	0.182	0.085	0.006	0.94	1.06	0.97
		Rear Face	0.190	0.112	0.080	0.352	0.352	0.048	0.38	0.65	0.70
NR Band n66 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.641	0.058	0.182	0.085	0.006	1.32	1.45	1.36
		Rear Face	0.129	0.286	0.080	0.352	0.352	0.048	0.49	0.77	0.81
	LTE Band 30 Ant2	Front Face	0.679	0.641	0.058	0.182	0.085	0.006	1.38	1.50	1.41
		Rear Face	0.370	0.286	0.080	0.352	0.352	0.048	0.74	1.01	1.06
NR Band n71 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.193	0.058	0.182	0.085	0.006	0.88	1.00	0.91
		Rear Face	0.129	0.232	0.080	0.352	0.352	0.048	0.44	0.71	0.76
	LTE Band 66 Ant2	Front Face	0.546	0.193	0.058	0.182	0.085	0.006	0.80	0.92	0.83
		Rear Face	0.123	0.232	0.080	0.352	0.352	0.048	0.43	0.71	0.75
NR Band n77 Ant7	LTE Band 2 Ant0	Front Face	0.507	0.518	0.058	0.182	0.085	0.006	1.08	1.21	1.12
		Rear Face	0.288	0.641	0.080	0.352	0.352	0.048	1.01	1.28	1.33
	LTE Band 5 Ant0	Front Face	0.563	0.518	0.058	0.182	0.085	0.006	1.14	1.26	1.17
		Rear Face	0.337	0.641	0.080	0.352	0.352	0.048	1.06	1.33	1.38
	LTE Band 13 Ant0	Front Face	0.434	0.518	0.058	0.182	0.085	0.006	1.01	1.13	1.04
		Rear Face	0.291	0.641	0.080	0.352	0.352	0.048	1.01	1.28	1.33
	LTE Band 14 Ant0	Front Face	0.431	0.518	0.058	0.182	0.085	0.006	1.01	1.13	1.04
		Rear Face	0.257	0.641	0.080	0.352	0.352	0.048	0.98	1.25	1.30
	LTE Band 66 Ant0	Front Face	0.506	0.518	0.058	0.182	0.085	0.006	1.08	1.21	1.11
		Rear Face	0.194	0.641	0.080	0.352	0.352	0.048	0.92	1.19	1.23

Hotspot Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
NR Band n2 Ant2	LTE Band 5 Ant0	Front Face	0.563	0.737	0.058	0.006	1.36	1.31
		Rear Face	0.337	0.155	0.080	0.048	0.57	0.54
		Left side	0.080	0.314	0.052		0.45	0.39
		Right side	0.100		0.052	0.026	0.15	0.13
		Top side		0.184	0.044	0.000	0.23	0.18
		Bottom side	0.204				0.20	0.20
		Front Face	0.223	0.737	0.058	0.006	1.02	0.97

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WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	LTE Band 12 Ant0	Rear Face	0.264	0.155	0.080	0.048	0.50	0.47
		Left side	0.078	0.314	0.052		0.44	0.39
		Right side	0.108		0.052	0.026	0.16	0.13
		Top side		0.184	0.044	0.000	0.23	0.18
		Bottom side	0.076				0.08	0.08
	LTE Band 13 Ant0	Front Face	0.434	0.737	0.058	0.006	1.23	1.18
		Rear Face	0.291	0.155	0.080	0.048	0.53	0.49
		Left side	0.078	0.314	0.052		0.44	0.39
		Right side	0.144		0.052	0.026	0.20	0.17
		Top side		0.184	0.044	0.000	0.23	0.18
		Bottom side	0.225				0.22	0.22
	LTE Band 14 Ant0	Front Face	0.431	0.737	0.058	0.006	1.23	1.17
		Rear Face	0.257	0.155	0.080	0.048	0.49	0.46
		Left side	0.070	0.314	0.052		0.44	0.38
		Right side	0.115		0.052	0.026	0.17	0.14
		Top side		0.184	0.044	0.000	0.23	0.18
		Bottom side	0.216				0.22	0.22
	LTE Band 30 Ant0	Front Face	0.534	0.737	0.058	0.006	1.33	1.28
		Rear Face	0.228	0.155	0.080	0.048	0.46	0.43
		Left side	0.367	0.314	0.052		0.73	0.68
		Right side	0.000		0.052	0.026	0.05	0.03
		Top side		0.184	0.044	0.000	0.23	0.18
		Bottom side	0.155				0.15	0.15
	LTE Band 66 Ant0	Front Face	0.506	0.737	0.058	0.006	1.30	1.25
		Rear Face	0.194	0.155	0.080	0.048	0.43	0.40
		Left side	0.178	0.314	0.052		0.54	0.49
		Right side	0.041		0.052	0.026	0.09	0.07
		Top side		0.184	0.044	0.000	0.23	0.18
		Bottom side	0.318				0.32	0.32
	LTE Band 71 Ant0	Front Face	0.223	0.737	0.058	0.006	1.02	0.97
		Rear Face	0.190	0.155	0.080	0.048	0.43	0.39
		Left side	0.068	0.314	0.052		0.43	0.38
		Right side	0.097		0.052	0.026	0.15	0.12
		Top side		0.184	0.044	0.000	0.23	0.18
		Bottom side	0.079				0.08	0.08
NR Band n2 Ant0	LTE Band 66 Ant2	Front Face	0.546	0.703	0.058	0.006	1.31	1.26
		Rear Face	0.123	0.335	0.080	0.048	0.54	0.51
		Left side	0.266	0.360	0.052		0.68	0.63
		Right side		0.052	0.052	0.026	0.10	0.08

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WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.341			0.34	0.34
NR Band n5 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.379	0.058	0.006	1.06	1.01
		Rear Face	0.129	0.214	0.080	0.048	0.42	0.39
		Left side	0.263	0.062	0.052		0.38	0.32
		Right side		0.109	0.052	0.026	0.16	0.14
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.137			0.14	0.14
	LTE Band 30 Ant2	Front Face	0.679	0.379	0.058	0.006	1.12	1.06
		Rear Face	0.370	0.214	0.080	0.048	0.66	0.63
		Left side	0.291	0.062	0.052		0.40	0.35
		Right side		0.109	0.052	0.026	0.16	0.14
		Top side	0.228		0.044	0.000	0.27	0.23
		Bottom side		0.137			0.14	0.14
	LTE Band 66 Ant2	Front Face	0.546	0.379	0.058	0.006	0.98	0.93
		Rear Face	0.123	0.214	0.080	0.048	0.42	0.38
		Left side	0.266	0.062	0.052		0.38	0.33
		Right side		0.109	0.052	0.026	0.16	0.14
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.137			0.14	0.14
NR Band n41 Ant2	LTE Band 66 Ant0	Front Face	0.506	0.525	0.058	0.006	1.09	1.04
		Rear Face	0.194	0.468	0.080	0.048	0.74	0.71
		Left side	0.178	0.467	0.052		0.70	0.65
		Right side	0.041		0.052	0.026	0.09	0.07
		Top side		0.275	0.044	0.000	0.32	0.28
		Bottom side	0.318				0.32	0.32
NR Band n66 Ant2	LTE Band 5 Ant0	Front Face	0.563	0.658	0.058	0.006	1.28	1.23
		Rear Face	0.337	0.112	0.080	0.048	0.53	0.50
		Left side	0.080	0.238	0.052		0.37	0.32
		Right side	0.100		0.052	0.026	0.15	0.13
		Top side		0.119	0.044	0.000	0.16	0.12
		Bottom side	0.204				0.20	0.20
	LTE Band 12 Ant0	Front Face	0.223	0.658	0.058	0.006	0.94	0.89
		Rear Face	0.264	0.112	0.080	0.048	0.46	0.42
		Left side	0.078	0.238	0.052		0.37	0.32
		Right side	0.108		0.052	0.026	0.16	0.13
		Top side		0.119	0.044	0.000	0.16	0.12
		Bottom side	0.076				0.08	0.08
		Front Face	0.434	0.658	0.058	0.006	1.15	1.10

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WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	LTE Band 13 Ant0	Rear Face	0.291	0.112	0.080	0.048	0.48	0.45
		Left side	0.078	0.238	0.052		0.37	0.32
		Right side	0.144		0.052	0.026	0.20	0.17
		Top side		0.119	0.044	0.000	0.16	0.12
		Bottom side	0.225				0.22	0.22
	LTE Band 14 Ant0	Front Face	0.431	0.658	0.058	0.006	1.15	1.10
		Rear Face	0.257	0.112	0.080	0.048	0.45	0.42
		Left side	0.070	0.238	0.052		0.36	0.31
		Right side	0.115		0.052	0.026	0.17	0.14
		Top side		0.119	0.044	0.000	0.16	0.12
		Bottom side	0.216				0.22	0.22
	LTE Band 30 Ant0	Front Face	0.534	0.658	0.058	0.006	1.25	1.20
		Rear Face	0.228	0.112	0.080	0.048	0.42	0.39
		Left side	0.367	0.238	0.052		0.66	0.60
		Right side	0.000		0.052	0.026	0.05	0.03
		Top side		0.119	0.044	0.000	0.16	0.12
		Bottom side	0.155				0.15	0.15
	LTE Band 71 Ant0	Front Face	0.223	0.658	0.058	0.006	0.94	0.89
		Rear Face	0.190	0.112	0.080	0.048	0.38	0.35
		Left side	0.068	0.238	0.052		0.36	0.31
		Right side	0.097		0.052	0.026	0.15	0.12
		Top side		0.119	0.044	0.000	0.16	0.12
		Bottom side	0.079				0.08	0.08
NR Band n66 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.641	0.058	0.006	1.32	1.27
		Rear Face	0.129	0.286	0.080	0.048	0.49	0.46
		Left side	0.263	0.288	0.052		0.60	0.55
		Right side		0.000	0.052	0.026	0.05	0.03
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.513			0.51	0.51
	LTE Band 30 Ant2	Front Face	0.679	0.641	0.058	0.006	1.38	1.33
		Rear Face	0.370	0.286	0.080	0.048	0.74	0.70
		Left side	0.291	0.288	0.052		0.63	0.58
		Right side		0.000	0.052	0.026	0.05	0.03
		Top side	0.228		0.044	0.000	0.27	0.23
		Bottom side		0.513			0.51	0.51
NR Band n71 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.193	0.058	0.006	0.88	0.82
		Rear Face	0.129	0.232	0.080	0.048	0.44	0.41
		Left side	0.263	0.101	0.052		0.42	0.36
		Right side		0.095	0.052	0.026	0.15	0.12

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WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.049			0.05	0.05
	LTE Band 66 Ant2	Front Face	0.546	0.193	0.058	0.006	0.80	0.74
		Rear Face	0.123	0.232	0.080	0.048	0.43	0.40
		Left side	0.266	0.101	0.052		0.42	0.37
		Right side		0.095	0.052	0.026	0.15	0.12
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.049			0.05	0.05
NR Band n77 Ant7	LTE Band 2 Ant0	Front Face	0.507	0.518	0.058	0.006	1.08	1.03
		Rear Face	0.288	0.643	0.080	0.048	1.01	0.98
		Left side	0.339		0.052		0.39	0.34
		Right side	0.065	0.672	0.052	0.026	0.79	0.76
		Top side			0.044	0.000	0.04	0.00
		Bottom side	0.275				0.27	0.27
	LTE Band 5 Ant0	Front Face	0.563	0.518	0.058	0.006	1.14	1.09
		Rear Face	0.337	0.643	0.080	0.048	1.06	1.03
		Left side	0.080		0.052		0.13	0.08
		Right side	0.100	0.672	0.052	0.026	0.82	0.80
		Top side			0.044	0.000	0.04	0.00
		Bottom side	0.204				0.20	0.20
	LTE Band 13 Ant0	Front Face	0.434	0.518	0.058	0.006	1.01	0.96
		Rear Face	0.291	0.643	0.080	0.048	1.01	0.98
		Left side	0.078		0.052		0.13	0.08
		Right side	0.144	0.672	0.052	0.026	0.87	0.84
		Top side			0.044	0.000	0.04	0.00
		Bottom side	0.225				0.22	0.22
	LTE Band 14 Ant0	Front Face	0.431	0.518	0.058	0.006	1.01	0.96
		Rear Face	0.257	0.643	0.080	0.048	0.98	0.95
		Left side	0.070		0.052		0.12	0.07
		Right side	0.115	0.672	0.052	0.026	0.84	0.81
		Top side			0.044	0.000	0.04	0.00
		Bottom side	0.216				0.22	0.22
	LTE Band 66 Ant0	Front Face	0.506	0.518	0.058	0.006	1.08	1.03
		Rear Face	0.194	0.643	0.080	0.048	0.92	0.89
		Left side	0.178		0.052		0.23	0.18
		Right side	0.041	0.672	0.052	0.026	0.76	0.74
		Top side			0.044	0.000	0.04	0.00
		Bottom side	0.318				0.32	0.32

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<WWAN (Inter-band CA) + WLAN2.4G/5G + BT>

Head Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE Band 2 ANT2	LTE Band 5 ANT0	Right Cheek	1.004	0.289	0.165	0.132	0.071	0.000	1.46	1.42	1.36
		Right Tilted	0.627	0.169	0.079	0.134	0.048	0.000	0.88	0.93	0.84
		Left Cheek	0.298	0.210	0.338	0.374	0.078	0.015	0.85	0.88	0.60
		Left Tilted	0.211	0.167	0.145	0.198	0.029	0.000	0.52	0.58	0.41
	LTE Band 12 ANT0	Right Cheek	1.004	0.179	0.165	0.132	0.071	0.000	1.35	1.31	1.25
		Right Tilted	0.627	0.078	0.079	0.134	0.048	0.000	0.78	0.84	0.75
		Left Cheek	0.298	0.141	0.338	0.374	0.078	0.015	0.78	0.81	0.53
		Left Tilted	0.211	0.083	0.145	0.198	0.029	0.000	0.44	0.49	0.32
	LTE Band 13 ANT0	Right Cheek	1.004	0.230	0.165	0.132	0.071	0.000	1.40	1.37	1.31
		Right Tilted	0.627	0.128	0.079	0.134	0.048	0.000	0.83	0.89	0.80
		Left Cheek	0.298	0.170	0.338	0.374	0.078	0.015	0.81	0.84	0.56
		Left Tilted	0.211	0.126	0.145	0.198	0.029	0.000	0.48	0.53	0.37
	LTE Band 14 ANT0	Right Cheek	1.004	0.229	0.165	0.132	0.071	0.000	1.40	1.36	1.30
		Right Tilted	0.627	0.109	0.079	0.134	0.048	0.000	0.82	0.87	0.78
		Left Cheek	0.298	0.154	0.338	0.374	0.078	0.015	0.79	0.83	0.54
		Left Tilted	0.211	0.114	0.145	0.198	0.029	0.000	0.47	0.52	0.35
	LTE Band 66 ANT0	Right Cheek	1.004	0.201	0.165	0.132	0.071	0.000	1.37	1.34	1.28
		Right Tilted	0.627	0.123	0.079	0.134	0.048	0.000	0.83	0.88	0.80
		Left Cheek	0.298	0.538	0.338	0.374	0.078	0.015	1.17	1.21	0.93
		Left Tilted	0.211	0.153	0.145	0.198	0.029	0.000	0.51	0.56	0.39
	LTE Band 71 ANT0	Right Cheek	1.004	0.124	0.165	0.132	0.071	0.000	1.29	1.26	1.20
		Right Tilted	0.627	0.062	0.079	0.134	0.048	0.000	0.77	0.82	0.74
		Left Cheek	0.298	0.186	0.338	0.374	0.078	0.015	0.82	0.86	0.58
		Left Tilted	0.211	0.073	0.145	0.198	0.029	0.000	0.43	0.48	0.31
LTE Band 7 ANT2	LTE Band 2 ANT0	Right Cheek	0.985	0.269	0.165	0.132	0.071	0.000	1.42	1.39	1.33
		Right Tilted	0.712	0.189	0.079	0.134	0.048	0.000	0.98	1.04	0.95
		Left Cheek	0.331	0.493	0.338	0.374	0.078	0.015	1.16	1.20	0.92
		Left Tilted	0.264	0.171	0.145	0.198	0.029	0.000	0.58	0.63	0.46
	LTE Band 5 ANT0	Right Cheek	0.985	0.289	0.165	0.132	0.071	0.000	1.44	1.41	1.35
		Right Tilted	0.712	0.169	0.079	0.134	0.048	0.000	0.96	1.01	0.93
		Left Cheek	0.331	0.210	0.338	0.374	0.078	0.015	0.88	0.92	0.63
		Left Tilted	0.264	0.167	0.145	0.198	0.029	0.000	0.58	0.63	0.46
	LTE Band 12 ANT0	Right Cheek	0.985	0.179	0.165	0.132	0.071	0.000	1.33	1.30	1.24
		Right Tilted	0.712	0.078	0.079	0.134	0.048	0.000	0.87	0.92	0.84
		Left Cheek	0.331	0.141	0.338	0.374	0.078	0.015	0.81	0.85	0.57
		Left Tilted	0.264	0.083	0.145	0.198	0.029	0.000	0.49	0.54	0.38
		Right Cheek	0.985	0.201	0.165	0.132	0.071	0.000	1.35	1.32	1.26

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WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
	LTE Band 66 ANT0	Right Tilted	0.712	0.123	0.079	0.134	0.048	0.000	0.91	0.97	0.88
		Left Cheek	0.331	0.538	0.338	0.374	0.078	0.015	1.21	1.24	0.96
		Left Tilted	0.264	0.153	0.145	0.198	0.029	0.000	0.56	0.61	0.45
LTE Band 30 ANT2	LTE Band 2 ANT0	Right Cheek	1.026	0.269	0.165	0.132	0.071	0.000	1.46	1.43	1.37
		Right Tilted	0.708	0.189	0.079	0.134	0.048	0.000	0.98	1.03	0.94
		Left Cheek	0.297	0.493	0.338	0.374	0.078	0.015	1.13	1.16	0.88
		Left Tilted	0.226	0.171	0.145	0.198	0.029	0.000	0.54	0.59	0.43
	LTE Band 5 ANT0	Right Cheek	1.026	0.289	0.165	0.132	0.071	0.000	1.48	1.45	1.39
		Right Tilted	0.708	0.169	0.079	0.134	0.048	0.000	0.96	1.01	0.92
		Left Cheek	0.297	0.210	0.338	0.374	0.078	0.015	0.85	0.88	0.60
		Left Tilted	0.226	0.167	0.145	0.198	0.029	0.000	0.54	0.59	0.42
	LTE Band 12 ANT0	Right Cheek	1.026	0.179	0.165	0.132	0.071	0.000	1.37	1.34	1.28
		Right Tilted	0.708	0.078	0.079	0.134	0.048	0.000	0.86	0.92	0.83
		Left Cheek	0.297	0.141	0.338	0.374	0.078	0.015	0.78	0.81	0.53
		Left Tilted	0.226	0.083	0.145	0.198	0.029	0.000	0.45	0.51	0.34
	LTE Band 14 ANT0	Right Cheek	1.026	0.229	0.165	0.132	0.071	0.000	1.42	1.39	1.33
		Right Tilted	0.708	0.109	0.079	0.134	0.048	0.000	0.90	0.95	0.86
		Left Cheek	0.297	0.154	0.338	0.374	0.078	0.015	0.79	0.82	0.54
		Left Tilted	0.226	0.114	0.145	0.198	0.029	0.000	0.48	0.54	0.37
	LTE Band 66 ANT0	Right Cheek	1.026	0.201	0.165	0.132	0.071	0.000	1.39	1.36	1.30
		Right Tilted	0.708	0.123	0.079	0.134	0.048	0.000	0.91	0.96	0.88
		Left Cheek	0.297	0.538	0.338	0.374	0.078	0.015	1.17	1.21	0.93
		Left Tilted	0.226	0.153	0.145	0.198	0.029	0.000	0.52	0.58	0.41
LTE Band 66 ANT2	LTE Band 2 ANT0	Right Cheek	0.822	0.269	0.165	0.132	0.071	0.000	1.26	1.22	1.16
		Right Tilted	0.605	0.189	0.079	0.134	0.048	0.000	0.87	0.93	0.84
		Left Cheek	0.291	0.493	0.338	0.374	0.078	0.015	1.12	1.16	0.88
		Left Tilted	0.209	0.171	0.145	0.198	0.029	0.000	0.53	0.58	0.41
	LTE Band 5 ANT0	Right Cheek	0.822	0.289	0.165	0.132	0.071	0.000	1.28	1.24	1.18
		Right Tilted	0.605	0.169	0.079	0.134	0.048	0.000	0.85	0.91	0.82
		Left Cheek	0.291	0.210	0.338	0.374	0.078	0.015	0.84	0.87	0.59
		Left Tilted	0.209	0.167	0.145	0.198	0.029	0.000	0.52	0.57	0.41
	LTE Band 7 ANT0	Right Cheek	0.822	0.327	0.165	0.132	0.071	0.000	1.31	1.28	1.22
		Right Tilted	0.605	0.305	0.079	0.134	0.048	0.000	0.99	1.04	0.96
		Left Cheek	0.291	0.602	0.338	0.374	0.078	0.015	1.23	1.27	0.99
		Left Tilted	0.209	0.218	0.145	0.198	0.029	0.000	0.57	0.62	0.46
	LTE Band 12 ANT0	Right Cheek	0.822	0.179	0.165	0.132	0.071	0.000	1.17	1.13	1.07
		Right Tilted	0.605	0.078	0.079	0.134	0.048	0.000	0.76	0.82	0.73
		Left Cheek	0.291	0.141	0.338	0.374	0.078	0.015	0.77	0.81	0.53
		Left Tilted	0.209	0.083	0.145	0.198	0.029	0.000	0.44	0.49	0.32

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WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
	LTE Band 13 ANT0	Right Cheek	0.822	0.230	0.165	0.132	0.071	0.000	1.22	1.18	1.12
		Right Tilted	0.605	0.128	0.079	0.134	0.048	0.000	0.81	0.87	0.78
		Left Cheek	0.291	0.170	0.338	0.374	0.078	0.015	0.80	0.83	0.55
		Left Tilted	0.209	0.126	0.145	0.198	0.029	0.000	0.48	0.53	0.36
	LTE Band 14 ANT0	Right Cheek	0.822	0.229	0.165	0.132	0.071	0.000	1.22	1.18	1.12
		Right Tilted	0.605	0.109	0.079	0.134	0.048	0.000	0.79	0.85	0.76
		Left Cheek	0.291	0.154	0.338	0.374	0.078	0.015	0.78	0.82	0.54
		Left Tilted	0.209	0.114	0.145	0.198	0.029	0.000	0.47	0.52	0.35
	LTE Band 30 ANT0	Right Cheek	0.822	0.385	0.165	0.132	0.071	0.000	1.37	1.34	1.28
		Right Tilted	0.605	0.325	0.079	0.134	0.048	0.000	1.01	1.06	0.98
		Left Cheek	0.291	0.622	0.338	0.374	0.078	0.015	1.25	1.29	1.01
		Left Tilted	0.209	0.248	0.145	0.198	0.029	0.000	0.60	0.66	0.49
	LTE Band 71 ANT0	Right Cheek	0.822	0.124	0.165	0.132	0.071	0.000	1.11	1.08	1.02
		Right Tilted	0.605	0.062	0.079	0.134	0.048	0.000	0.75	0.80	0.72
		Left Cheek	0.291	0.186	0.338	0.374	0.078	0.015	0.82	0.85	0.57
		Left Tilted	0.209	0.073	0.145	0.198	0.029	0.000	0.43	0.48	0.31

Body Worn Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE Band 2 ANT2	LTE Band 5 ANT0	Front Face	0.626	0.563	0.058	0.182	0.085	0.006	1.25	1.37	1.28
		Rear Face	0.129	0.337	0.080	0.352	0.352	0.048	0.55	0.82	0.87
	LTE Band 12 ANT0	Front Face	0.626	0.223	0.058	0.182	0.085	0.006	0.91	1.03	0.94
		Rear Face	0.129	0.264	0.080	0.352	0.352	0.048	0.47	0.74	0.79
	LTE Band 13 ANT0	Front Face	0.626	0.434	0.058	0.182	0.085	0.006	1.12	1.24	1.15
		Rear Face	0.129	0.291	0.080	0.352	0.352	0.048	0.50	0.77	0.82
	LTE Band 14 ANT0	Front Face	0.626	0.431	0.058	0.182	0.085	0.006	1.11	1.24	1.15
		Rear Face	0.129	0.257	0.080	0.352	0.352	0.048	0.47	0.74	0.79
	LTE Band 66 ANT0	Front Face	0.626	0.506	0.058	0.182	0.085	0.006	1.19	1.31	1.22
		Rear Face	0.129	0.194	0.080	0.352	0.352	0.048	0.40	0.68	0.72
	LTE Band 71 ANT0	Front Face	0.626	0.223	0.058	0.182	0.085	0.006	0.91	1.03	0.94
		Rear Face	0.129	0.190	0.080	0.352	0.352	0.048	0.40	0.67	0.72
LTE Band 7 ANT2	LTE Band 2 ANT0	Front Face	0.626	0.507	0.058	0.182	0.085	0.006	1.19	1.32	1.22
		Rear Face	0.515	0.288	0.080	0.352	0.352	0.048	0.88	1.15	1.20
	LTE Band 5 ANT0	Front Face	0.626	0.563	0.058	0.182	0.085	0.006	1.25	1.37	1.28
		Rear Face	0.515	0.337	0.080	0.352	0.352	0.048	0.93	1.20	1.25
		Front Face	0.626	0.223	0.058	0.182	0.085	0.006	0.91	1.03	0.94

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WWAN Band		Exposure Position	1	2	3	4	5	6	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	WLAN5G SISO/MIMO	WLAN5G SISO(Ant8)	BT Ant6			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
	LTE Band 12 ANT0	Rear Face	0.515	0.264	0.080	0.352	0.352	0.048	0.86	1.13	1.18
	LTE Band 66 ANT0	Front Face	0.626	0.506	0.058	0.182	0.085	0.006	1.19	1.31	1.22
		Rear Face	0.515	0.194	0.080	0.352	0.352	0.048	0.79	1.06	1.11
LTE Band 30 ANT2	LTE Band 2 ANT0	Front Face	0.679	0.507	0.058	0.182	0.085	0.006	1.24	1.37	1.28
		Rear Face	0.370	0.288	0.080	0.352	0.352	0.048	0.74	1.01	1.06
	LTE Band 5 ANT0	Front Face	0.679	0.563	0.058	0.182	0.085	0.006	1.30	1.42	1.33
		Rear Face	0.370	0.337	0.080	0.352	0.352	0.048	0.79	1.06	1.11
	LTE Band 12 ANT0	Front Face	0.679	0.223	0.058	0.182	0.085	0.006	0.96	1.08	0.99
		Rear Face	0.370	0.264	0.080	0.352	0.352	0.048	0.71	0.99	1.03
	LTE Band 14 ANT0	Front Face	0.679	0.431	0.058	0.182	0.085	0.006	1.17	1.29	1.20
		Rear Face	0.370	0.257	0.080	0.352	0.352	0.048	0.71	0.98	1.03
	LTE Band 66 ANT0	Front Face	0.679	0.506	0.058	0.182	0.085	0.006	1.24	1.37	1.28
		Rear Face	0.370	0.194	0.080	0.352	0.352	0.048	0.64	0.92	0.96
LTE Band 66 ANT2	LTE Band 2 ANT0	Front Face	0.546	0.507	0.058	0.182	0.085	0.006	1.11	1.24	1.14
		Rear Face	0.123	0.288	0.080	0.352	0.352	0.048	0.49	0.76	0.81
	LTE Band 5 ANT0	Front Face	0.546	0.563	0.058	0.182	0.085	0.006	1.17	1.29	1.20
		Rear Face	0.123	0.337	0.080	0.352	0.352	0.048	0.54	0.81	0.86
	LTE Band 7 ANT0	Front Face	0.546	0.585	0.058	0.182	0.085	0.006	1.19	1.31	1.22
		Rear Face	0.123	0.240	0.080	0.352	0.352	0.048	0.44	0.71	0.76
	LTE Band 12 ANT0	Front Face	0.546	0.223	0.058	0.182	0.085	0.006	0.83	0.95	0.86
		Rear Face	0.123	0.264	0.080	0.352	0.352	0.048	0.47	0.74	0.79
	LTE Band 13 ANT0	Front Face	0.546	0.434	0.058	0.182	0.085	0.006	1.04	1.16	1.07
		Rear Face	0.123	0.291	0.080	0.352	0.352	0.048	0.49	0.77	0.81
	LTE Band 14 ANT0	Front Face	0.546	0.431	0.058	0.182	0.085	0.006	1.04	1.16	1.07
		Rear Face	0.123	0.257	0.080	0.352	0.352	0.048	0.46	0.73	0.78
	LTE Band 30 ANT0	Front Face	0.546	0.534	0.058	0.182	0.085	0.006	1.14	1.26	1.17
		Rear Face	0.123	0.228	0.080	0.352	0.352	0.048	0.43	0.70	0.75
	LTE Band 71 ANT0	Front Face	0.546	0.223	0.058	0.182	0.085	0.006	0.83	0.95	0.86
		Rear Face	0.123	0.190	0.080	0.352	0.352	0.048	0.39	0.66	0.71

Hotspot Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE Band 2 ANT2	LTE Band 5 ANT0	Front Face	0.626	0.563	0.058	0.006	1.25	1.19
		Rear Face	0.129	0.337	0.080	0.048	0.55	0.51
		Left side	0.263	0.080	0.052		0.39	0.34
		Right side		0.100	0.052	0.026	0.15	0.13

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WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.204			0.20	0.20
	LTE Band 12 ANT0	Front Face	0.626	0.223	0.058	0.006	0.91	0.85
		Rear Face	0.129	0.264	0.080	0.048	0.47	0.44
		Left side	0.263	0.078	0.052		0.39	0.34
		Right side		0.108	0.052	0.026	0.16	0.13
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.076			0.08	0.08
	LTE Band 13 ANT0	Front Face	0.626	0.434	0.058	0.006	1.12	1.07
		Rear Face	0.129	0.291	0.080	0.048	0.50	0.47
		Left side	0.263	0.078	0.052		0.39	0.34
		Right side		0.144	0.052	0.026	0.20	0.17
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.225			0.22	0.22
	LTE Band 14 ANT0	Front Face	0.626	0.431	0.058	0.006	1.11	1.06
		Rear Face	0.129	0.257	0.080	0.048	0.47	0.43
		Left side	0.263	0.070	0.052		0.39	0.33
		Right side		0.115	0.052	0.026	0.17	0.14
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.216			0.22	0.22
	LTE Band 66 ANT0	Front Face	0.626	0.506	0.058	0.006	1.19	1.14
		Rear Face	0.129	0.194	0.080	0.048	0.40	0.37
		Left side	0.263	0.178	0.052		0.49	0.44
		Right side		0.041	0.052	0.026	0.09	0.07
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.318			0.32	0.32
	LTE Band 71 ANT0	Front Face	0.626	0.223	0.058	0.006	0.91	0.85
		Rear Face	0.129	0.190	0.080	0.048	0.40	0.37
		Left side	0.263	0.068	0.052		0.38	0.33
		Right side		0.097	0.052	0.026	0.15	0.12
		Top side	0.157		0.044	0.000	0.20	0.16
		Bottom side		0.079			0.08	0.08
LTE Band 7 ANT2	LTE Band 2 ANT0	Front Face	0.626	0.507	0.058	0.006	1.19	1.14
		Rear Face	0.515	0.288	0.080	0.048	0.88	0.85
		Left side	0.361	0.339	0.052		0.75	0.70
		Right side		0.065	0.052	0.026	0.12	0.09
		Top side	0.316		0.044	0.000	0.36	0.32
		Bottom side		0.275			0.27	0.27
		Front Face	0.626	0.563	0.058	0.006	1.25	1.19

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WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	LTE Band 5 ANT0	Rear Face	0.515	0.337	0.080	0.048	0.93	0.90
		Left side	0.361	0.080	0.052		0.49	0.44
		Right side		0.100	0.052	0.026	0.15	0.13
		Top side	0.316		0.044	0.000	0.36	0.32
		Bottom side		0.204			0.20	0.20
	LTE Band 12 ANT0	Front Face	0.626	0.223	0.058	0.006	0.91	0.85
		Rear Face	0.515	0.264	0.080	0.048	0.86	0.83
		Left side	0.361	0.078	0.052		0.49	0.44
		Right side		0.108	0.052	0.026	0.16	0.13
		Top side	0.316		0.044	0.000	0.36	0.32
		Bottom side		0.076			0.08	0.08
	LTE Band 66 ANT0	Front Face	0.626	0.506	0.058	0.006	1.19	1.14
		Rear Face	0.515	0.194	0.080	0.048	0.79	0.76
		Left side	0.361	0.178	0.052		0.59	0.54
		Right side		0.041	0.052	0.026	0.09	0.07
		Top side	0.316		0.044	0.000	0.36	0.32
		Bottom side		0.318			0.32	0.32
LTE Band 30 ANT2	LTE Band 2 ANT0	Front Face	0.679	0.507	0.058	0.006	1.24	1.19
		Rear Face	0.370	0.288	0.080	0.048	0.74	0.71
		Left side	0.291	0.339	0.052		0.68	0.63
		Right side		0.065	0.052	0.026	0.12	0.09
		Top side	0.228		0.044	0.000	0.27	0.23
		Bottom side		0.275			0.27	0.27
	LTE Band 5 ANT0	Front Face	0.679	0.563	0.058	0.006	1.30	1.25
		Rear Face	0.370	0.337	0.080	0.048	0.79	0.76
		Left side	0.291	0.080	0.052		0.42	0.37
		Right side		0.100	0.052	0.026	0.15	0.13
		Top side	0.228		0.044	0.000	0.27	0.23
		Bottom side		0.204			0.20	0.20
	LTE Band 12 ANT0	Front Face	0.679	0.223	0.058	0.006	0.96	0.91
		Rear Face	0.370	0.264	0.080	0.048	0.71	0.68
		Left side	0.291	0.078	0.052		0.42	0.37
		Right side		0.108	0.052	0.026	0.16	0.13
		Top side	0.228		0.044	0.000	0.27	0.23
		Bottom side		0.076			0.08	0.08
	LTE Band 14 ANT0	Front Face	0.679	0.431	0.058	0.006	1.17	1.12
		Rear Face	0.370	0.257	0.080	0.048	0.71	0.67
		Left side	0.291	0.070	0.052		0.41	0.36
		Right side		0.115	0.052	0.026	0.17	0.14

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FCC SAR Test Report



Certificate #6613.01

WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
		Top side	0.228		0.044	0.000	0.27	0.23
		Bottom side		0.216			0.22	0.22
	LTE Band 66 ANT0	Front Face	0.679	0.506	0.058	0.006	1.24	1.19
		Rear Face	0.370	0.194	0.080	0.048	0.64	0.61
		Left side	0.291	0.178	0.052		0.52	0.47
		Right side		0.041	0.052	0.026	0.09	0.07
		Top side	0.228		0.044	0.000	0.27	0.23
		Bottom side		0.318			0.32	0.32
LTE Band 66 ANT2	LTE Band 2 ANT0	Front Face	0.546	0.507	0.058	0.006	1.11	1.06
		Rear Face	0.123	0.288	0.080	0.048	0.49	0.46
		Left side	0.266	0.339	0.052		0.66	0.61
		Right side		0.065	0.052	0.026	0.12	0.09
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.275			0.27	0.27
	LTE Band 5 ANT0	Front Face	0.546	0.563	0.058	0.006	1.17	1.11
		Rear Face	0.123	0.337	0.080	0.048	0.54	0.51
		Left side	0.266	0.080	0.052		0.40	0.35
		Right side		0.100	0.052	0.026	0.15	0.13
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.204			0.20	0.20
	LTE Band 7 ANT0	Front Face	0.546	0.585	0.058	0.006	1.19	1.14
		Rear Face	0.123	0.240	0.080	0.048	0.44	0.41
		Left side	0.266	0.350	0.052		0.67	0.62
		Right side		0.000	0.052	0.026	0.05	0.03
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.318			0.32	0.32
	LTE Band 12 ANT0	Front Face	0.546	0.223	0.058	0.006	0.83	0.77
		Rear Face	0.123	0.264	0.080	0.048	0.47	0.43
		Left side	0.266	0.078	0.052		0.40	0.34
		Right side		0.108	0.052	0.026	0.16	0.13
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.076			0.08	0.08
	LTE Band 13 ANT0	Front Face	0.546	0.434	0.058	0.006	1.04	0.99
		Rear Face	0.123	0.291	0.080	0.048	0.49	0.46
		Left side	0.266	0.078	0.052		0.40	0.34
		Right side		0.144	0.052	0.026	0.20	0.17
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.225			0.22	0.22
		Front Face	0.546	0.431	0.058	0.006	1.04	0.98

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Certificate #6613.01

WWAN Band		Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN2.4G SISO/MIMO	BT Ant6		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	LTE Band 14 ANT0	Rear Face	0.123	0.257	0.080	0.048	0.46	0.43
		Left side	0.266	0.070	0.052		0.39	0.34
		Right side		0.115	0.052	0.026	0.17	0.14
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.216			0.22	0.22
	LTE Band 30 ANT0	Front Face	0.546	0.534	0.058	0.006	1.14	1.09
		Rear Face	0.123	0.228	0.080	0.048	0.43	0.40
		Left side	0.266	0.367	0.052		0.69	0.63
		Right side		0.000	0.052	0.026	0.05	0.03
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.155			0.15	0.15
	LTE Band 71 ANT0	Front Face	0.546	0.223	0.058	0.006	0.83	0.78
		Rear Face	0.123	0.190	0.080	0.048	0.39	0.36
		Left side	0.266	0.068	0.052		0.39	0.33
		Right side		0.097	0.052	0.026	0.15	0.12
		Top side	0.136		0.044	0.000	0.18	0.14
		Bottom side		0.079			0.08	0.08

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<WWAN (Single band) + WLAN6G + BT>

Head Exposure condition:

WWAN Band	Exposure Position	1	2	3	1+2+3 Summed 1g SAR (W/kg)
		WWAN	WLAN6G SISO/MIMO	BT Ant6	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE 5	Right Cheek	0.289	0.008	0.000	0.30
	Right Tilted	0.169	0.011	0.000	0.18
	Left Cheek	0.210	0.014	0.015	0.24
	Left Tilted	0.167	0.004	0.000	0.17
LTE 7	Right Cheek	0.327	0.008	0.000	0.34
	Right Tilted	0.305	0.011	0.000	0.32
	Left Cheek	0.602	0.014	0.015	0.63
	Left Tilted	0.218	0.004	0.000	0.22
LTE 12	Right Cheek	0.179	0.008	0.000	0.19
	Right Tilted	0.078	0.011	0.000	0.09
	Left Cheek	0.141	0.014	0.015	0.17
	Left Tilted	0.083	0.004	0.000	0.09
LTE 13	Right Cheek	0.230	0.008	0.000	0.24
	Right Tilted	0.128	0.011	0.000	0.14
	Left Cheek	0.170	0.014	0.015	0.20
	Left Tilted	0.126	0.004	0.000	0.13
LTE 14	Right Cheek	0.229	0.008	0.000	0.24
	Right Tilted	0.109	0.011	0.000	0.12
	Left Cheek	0.154	0.014	0.015	0.18
	Left Tilted	0.114	0.004	0.000	0.12
LTE 25/2	Right Cheek	0.269	0.008	0.000	0.28
	Right Tilted	0.189	0.011	0.000	0.20
	Left Cheek	0.493	0.014	0.015	0.52
	Left Tilted	0.171	0.004	0.000	0.18
LTE 26	Right Cheek	0.288	0.008	0.000	0.30
	Right Tilted	0.186	0.011	0.000	0.20
	Left Cheek	0.198	0.014	0.015	0.23
	Left Tilted	0.153	0.004	0.000	0.16
LTE 30	Right Cheek	0.385	0.008	0.000	0.39
	Right Tilted	0.325	0.011	0.000	0.34
	Left Cheek	0.622	0.014	0.015	0.65
	Left Tilted	0.248	0.004	0.000	0.25
LTE 41	Right Cheek	0.157	0.008	0.000	0.17
	Right Tilted	0.163	0.011	0.000	0.17
	Left Cheek	0.321	0.014	0.015	0.35
	Left Tilted	0.109	0.004	0.000	0.11

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WWAN Band	Exposure Position	1	2	3	1+2+3 Summed 1g SAR (W/kg)
		WWAN	WLAN6G SISO/MIMO	BT Ant6	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE 66/4	Right Cheek	0.201	0.008	0.000	0.21
	Right Tilted	0.123	0.011	0.000	0.13
	Left Cheek	0.538	0.014	0.015	0.57
	Left Tilted	0.153	0.004	0.000	0.16
LTE 71	Right Cheek	0.124	0.008	0.000	0.13
	Right Tilted	0.062	0.011	0.000	0.07
	Left Cheek	0.186	0.014	0.015	0.22
	Left Tilted	0.073	0.004	0.000	0.08
NR n5	Right Cheek	0.179	0.008	0.000	0.19
	Right Tilted	0.129	0.011	0.000	0.14
	Left Cheek	0.132	0.014	0.015	0.16
	Left Tilted	0.102	0.004	0.000	0.11
NR n25/2	Right Cheek	0.153	0.008	0.000	0.16
	Right Tilted	0.113	0.011	0.000	0.12
	Left Cheek	0.345	0.014	0.015	0.37
	Left Tilted	0.109	0.004	0.000	0.11
NR n41	Right Cheek	1.120	0.008	0.000	1.13
	Right Tilted	0.668	0.011	0.000	0.68
	Left Cheek	0.519	0.014	0.015	0.55
	Left Tilted	0.362	0.004	0.000	0.37
NR n66	Right Cheek	0.149	0.008	0.000	0.16
	Right Tilted	0.100	0.011	0.000	0.11
	Left Cheek	0.350	0.014	0.015	0.38
	Left Tilted	0.121	0.004	0.000	0.13
NR n71	Right Cheek	0.109	0.008	0.000	0.12
	Right Tilted	0.000	0.011	0.000	0.01
	Left Cheek	0.142	0.014	0.015	0.17
	Left Tilted	0.056	0.004	0.000	0.06
NR n77/78	Right Cheek	0.949	0.008	0.000	0.96
	Right Tilted	0.141	0.011	0.000	0.15
	Left Cheek	0.358	0.014	0.015	0.39
	Left Tilted	0.265	0.004	0.000	0.27

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FCC SAR Test Report



Certificate #6613.01

Body Worn Exposure condition:

WWAN Band	Exposure Position	1	2	3	1+2+3 Summed 1g SAR (W/kg)
		WWAN	WLAN6G SISO/MIMO	BT Ant6	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE 5	Front Face	0.563	0.013	0.006	0.58
	Rear Face	0.337	0.027	0.048	0.41
LTE 7	Front Face	0.585	0.013	0.006	0.60
	Rear Face	0.240	0.027	0.048	0.32
LTE 12	Front Face	0.223	0.013	0.006	0.24
	Rear Face	0.264	0.027	0.048	0.34
LTE 13	Front Face	0.434	0.013	0.006	0.45
	Rear Face	0.291	0.027	0.048	0.37
LTE 14	Front Face	0.431	0.013	0.006	0.45
	Rear Face	0.257	0.027	0.048	0.33
LTE 25/2	Front Face	0.507	0.013	0.006	0.53
	Rear Face	0.288	0.027	0.048	0.36
LTE 26	Front Face	0.539	0.013	0.006	0.56
	Rear Face	0.320	0.027	0.048	0.39
LTE 30	Front Face	0.534	0.013	0.006	0.55
	Rear Face	0.228	0.027	0.048	0.30
LTE 41	Front Face	0.539	0.013	0.006	0.56
	Rear Face	0.227	0.027	0.048	0.30
LTE 66/4	Front Face	0.506	0.013	0.006	0.52
	Rear Face	0.194	0.027	0.048	0.27
LTE 71	Front Face	0.223	0.013	0.006	0.24
	Rear Face	0.190	0.027	0.048	0.27
NR n5	Front Face	0.379	0.013	0.006	0.40
	Rear Face	0.214	0.027	0.048	0.29
NR n25/2	Front Face	0.703	0.013	0.006	0.72
	Rear Face	0.335	0.027	0.048	0.41
NR n41	Front Face	0.526	0.013	0.006	0.54
	Rear Face	0.280	0.027	0.048	0.36
NR n66	Front Face	0.641	0.013	0.006	0.66
	Rear Face	0.286	0.027	0.048	0.36
NR n71	Front Face	0.193	0.013	0.006	0.21
	Rear Face	0.232	0.027	0.048	0.31
NR n77/78	Front Face	0.518	0.013	0.006	0.54
	Rear Face	0.641	0.027	0.048	0.72

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VERITAS

FCC SAR Test Report



Certificate #6613.01

<WWAN (ENDC) + WLAN6G + BT>

Head Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
NR Band n2 Ant2	LTE Band 5 Ant0	Right Cheek	0.289	0.935	0.008	0.000	1.23
		Right Tilted	0.169	0.656	0.011	0.000	0.84
		Left Cheek	0.210	0.281	0.014	0.015	0.52
		Left Tilted	0.167	0.197	0.004	0.000	0.37
	LTE Band 12 Ant0	Right Cheek	0.179	0.935	0.008	0.000	1.12
		Right Tilted	0.078	0.656	0.011	0.000	0.74
		Left Cheek	0.141	0.281	0.014	0.015	0.45
		Left Tilted	0.083	0.197	0.004	0.000	0.28
	LTE Band 13 Ant0	Right Cheek	0.230	0.935	0.008	0.000	1.17
		Right Tilted	0.128	0.656	0.011	0.000	0.80
		Left Cheek	0.170	0.281	0.014	0.015	0.48
		Left Tilted	0.126	0.197	0.004	0.000	0.33
	LTE Band 14 Ant0	Right Cheek	0.229	0.935	0.008	0.000	1.17
		Right Tilted	0.109	0.656	0.011	0.000	0.78
		Left Cheek	0.154	0.281	0.014	0.015	0.46
		Left Tilted	0.114	0.197	0.004	0.000	0.31
	LTE Band 30 Ant0	Right Cheek	0.385	0.935	0.008	0.000	1.33
		Right Tilted	0.325	0.656	0.011	0.000	0.99
		Left Cheek	0.622	0.281	0.014	0.015	0.93
		Left Tilted	0.248	0.197	0.004	0.000	0.45
	LTE Band 66 Ant0	Right Cheek	0.201	0.935	0.008	0.000	1.14
		Right Tilted	0.123	0.656	0.011	0.000	0.79
		Left Cheek	0.538	0.281	0.014	0.015	0.85
		Left Tilted	0.153	0.197	0.004	0.000	0.35
	LTE Band 71 Ant0	Right Cheek	0.124	0.935	0.008	0.000	1.07
		Right Tilted	0.062	0.656	0.011	0.000	0.73
		Left Cheek	0.186	0.281	0.014	0.015	0.50
		Left Tilted	0.073	0.197	0.004	0.000	0.27
NR Band n2 Ant0	LTE Band 66 Ant2	Right Cheek	0.822	0.153	0.008	0.000	0.98
		Right Tilted	0.605	0.113	0.011	0.000	0.73
		Left Cheek	0.291	0.345	0.014	0.015	0.66
		Left Tilted	0.209	0.109	0.004	0.000	0.32
NR Band n5 Ant0	LTE Band 2 Ant2	Right Cheek	1.004	0.179	0.008	0.000	1.19
		Right Tilted	0.627	0.129	0.011	0.000	0.77
		Left Cheek	0.298	0.132	0.014	0.015	0.46
		Left Tilted	0.211	0.102	0.004	0.000	0.32

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WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
	LTE Band 30 Ant2	Right Cheek	1.026	0.179	0.008	0.000	1.21
		Right Tilted	0.708	0.129	0.011	0.000	0.85
		Left Cheek	0.297	0.132	0.014	0.015	0.46
		Left Tilted	0.226	0.102	0.004	0.000	0.33
	LTE Band 66 Ant2	Right Cheek	0.822	0.179	0.008	0.000	1.01
		Right Tilted	0.605	0.129	0.011	0.000	0.75
		Left Cheek	0.291	0.132	0.014	0.015	0.45
		Left Tilted	0.209	0.102	0.004	0.000	0.32
NR Band n41 Ant2	LTE Band 66 Ant0	Right Cheek	0.201	1.100	0.008	0.000	1.31
		Right Tilted	0.123	0.575	0.011	0.000	0.71
		Left Cheek	0.538	0.286	0.014	0.015	0.85
		Left Tilted	0.153	0.228	0.004	0.000	0.39
NR Band n66 Ant2	LTE Band 5 Ant0	Right Cheek	0.289	0.853	0.008	0.000	1.15
		Right Tilted	0.169	0.537	0.011	0.000	0.72
		Left Cheek	0.210	0.301	0.014	0.015	0.54
		Left Tilted	0.167	0.210	0.004	0.000	0.38
	LTE Band 12 Ant0	Right Cheek	0.179	0.853	0.008	0.000	1.04
		Right Tilted	0.078	0.537	0.011	0.000	0.63
		Left Cheek	0.141	0.301	0.014	0.015	0.47
		Left Tilted	0.083	0.210	0.004	0.000	0.30
	LTE Band 13 Ant0	Right Cheek	0.230	0.853	0.008	0.000	1.09
		Right Tilted	0.128	0.537	0.011	0.000	0.68
		Left Cheek	0.170	0.301	0.014	0.015	0.50
		Left Tilted	0.126	0.210	0.004	0.000	0.34
	LTE Band 14 Ant0	Right Cheek	0.229	0.853	0.008	0.000	1.09
		Right Tilted	0.109	0.537	0.011	0.000	0.66
		Left Cheek	0.154	0.301	0.014	0.015	0.48
		Left Tilted	0.114	0.210	0.004	0.000	0.33
	LTE Band 30 Ant0	Right Cheek	0.385	0.853	0.008	0.000	1.25
		Right Tilted	0.325	0.537	0.011	0.000	0.87
		Left Cheek	0.622	0.301	0.014	0.015	0.95
		Left Tilted	0.248	0.210	0.004	0.000	0.46
	LTE Band 71 Ant0	Right Cheek	0.124	0.853	0.008	0.000	0.98
		Right Tilted	0.062	0.537	0.011	0.000	0.61
		Left Cheek	0.186	0.301	0.014	0.015	0.52
		Left Tilted	0.073	0.210	0.004	0.000	0.29
NR Band n66 Ant0	LTE Band 2 Ant2	Right Cheek	1.004	0.149	0.008	0.000	1.16
		Right Tilted	0.627	0.100	0.011	0.000	0.74
		Left Cheek	0.298	0.350	0.014	0.015	0.68

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WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
	LTE Band 30 Ant2	Left Tilted	0.211	0.121	0.004	0.000	0.34
		Right Cheek	1.026	0.149	0.008	0.000	1.18
		Right Tilted	0.708	0.100	0.011	0.000	0.82
		Left Cheek	0.297	0.350	0.014	0.015	0.68
		Left Tilted	0.226	0.121	0.004	0.000	0.35
NR Band n71 Ant0	LTE Band 2 Ant2	Right Cheek	1.004	0.109	0.008	0.000	1.12
		Right Tilted	0.627	0.000	0.011	0.000	0.64
		Left Cheek	0.298	0.142	0.014	0.015	0.47
		Left Tilted	0.211	0.056	0.004	0.000	0.27
	LTE Band 66 Ant2	Right Cheek	0.822	0.109	0.008	0.000	0.94
		Right Tilted	0.605	0.000	0.011	0.000	0.62
		Left Cheek	0.291	0.142	0.014	0.015	0.46
		Left Tilted	0.209	0.056	0.004	0.000	0.27
NR Band n77 Ant7	LTE Band 2 Ant0	Right Cheek	0.269	0.949	0.008	0.000	1.23
		Right Tilted	0.189	0.141	0.011	0.000	0.34
		Left Cheek	0.493	0.358	0.014	0.015	0.88
		Left Tilted	0.171	0.265	0.004	0.000	0.44
	LTE Band 5 Ant0	Right Cheek	0.289	0.949	0.008	0.000	1.25
		Right Tilted	0.169	0.141	0.011	0.000	0.32
		Left Cheek	0.210	0.358	0.014	0.015	0.60
		Left Tilted	0.167	0.265	0.004	0.000	0.44
	LTE Band 13 Ant0	Right Cheek	0.230	0.949	0.008	0.000	1.19
		Right Tilted	0.128	0.141	0.011	0.000	0.28
		Left Cheek	0.170	0.358	0.014	0.015	0.56
		Left Tilted	0.126	0.265	0.004	0.000	0.39
	LTE Band 14 Ant0	Right Cheek	0.229	0.949	0.008	0.000	1.19
		Right Tilted	0.109	0.141	0.011	0.000	0.26
		Left Cheek	0.154	0.358	0.014	0.015	0.54
		Left Tilted	0.114	0.265	0.004	0.000	0.38
	LTE Band 66 Ant0	Right Cheek	0.201	0.949	0.008	0.000	1.16
		Right Tilted	0.123	0.141	0.011	0.000	0.28
		Left Cheek	0.538	0.358	0.014	0.015	0.93
		Left Tilted	0.153	0.265	0.004	0.000	0.42

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Body Worn Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
NR Band n2 Ant2	LTE Band 5 Ant0	Front Face	0.563	0.737	0.013	0.006	1.32
		Rear Face	0.337	0.155	0.027	0.048	0.57
	LTE Band 12 Ant0	Front Face	0.223	0.737	0.013	0.006	0.98
		Rear Face	0.264	0.155	0.027	0.048	0.49
	LTE Band 13 Ant0	Front Face	0.434	0.737	0.013	0.006	1.19
		Rear Face	0.291	0.155	0.027	0.048	0.52
	LTE Band 14 Ant0	Front Face	0.431	0.737	0.013	0.006	1.19
		Rear Face	0.257	0.155	0.027	0.048	0.49
	LTE Band 30 Ant0	Front Face	0.534	0.737	0.013	0.006	1.29
		Rear Face	0.228	0.155	0.027	0.048	0.46
	LTE Band 66 Ant0	Front Face	0.506	0.737	0.013	0.006	1.26
		Rear Face	0.194	0.155	0.027	0.048	0.42
	LTE Band 71 Ant0	Front Face	0.223	0.737	0.013	0.006	0.98
		Rear Face	0.190	0.155	0.027	0.048	0.42
NR Band n2 Ant0	LTE Band 66 Ant2	Front Face	0.546	0.703	0.013	0.006	1.27
		Rear Face	0.123	0.335	0.027	0.048	0.53
NR Band n5 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.379	0.013	0.006	1.02
		Rear Face	0.129	0.214	0.027	0.048	0.42
	LTE Band 30 Ant2	Front Face	0.679	0.379	0.013	0.006	1.08
		Rear Face	0.370	0.214	0.027	0.048	0.66
	LTE Band 66 Ant2	Front Face	0.546	0.379	0.013	0.006	0.94
		Rear Face	0.123	0.214	0.027	0.048	0.41
NR Band n41 Ant2	LTE Band 66 Ant0	Front Face	0.506	0.525	0.013	0.006	1.05
		Rear Face	0.194	0.468	0.027	0.048	0.74
NR Band n66 Ant2	LTE Band 5 Ant0	Front Face	0.563	0.658	0.013	0.006	1.24
		Rear Face	0.337	0.112	0.027	0.048	0.52
	LTE Band 12 Ant0	Front Face	0.223	0.658	0.013	0.006	0.90
		Rear Face	0.264	0.112	0.027	0.048	0.45
	LTE Band 13 Ant0	Front Face	0.434	0.658	0.013	0.006	1.11
		Rear Face	0.291	0.112	0.027	0.048	0.48
	LTE Band 14 Ant0	Front Face	0.431	0.658	0.013	0.006	1.11
		Rear Face	0.257	0.112	0.027	0.048	0.44
	LTE Band 30 Ant0	Front Face	0.534	0.658	0.013	0.006	1.21
		Rear Face	0.228	0.112	0.027	0.048	0.42
	LTE Band 71 Ant0	Front Face	0.223	0.658	0.013	0.006	0.90
		Rear Face	0.190	0.112	0.027	0.048	0.38
NR Band n66 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.641	0.013	0.006	1.29
		Rear Face	0.129	0.286	0.027	0.048	0.49

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WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	NR	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
	LTE Band 30 Ant2	Front Face	0.679	0.641	0.013	0.006	1.34
		Rear Face	0.370	0.286	0.027	0.048	0.73
NR Band n71 Ant0	LTE Band 2 Ant2	Front Face	0.626	0.193	0.013	0.006	0.84
		Rear Face	0.129	0.232	0.027	0.048	0.44
	LTE Band 66 Ant2	Front Face	0.546	0.193	0.013	0.006	0.76
		Rear Face	0.123	0.232	0.027	0.048	0.43
NR Band n77 Ant7	LTE Band 2 Ant0	Front Face	0.507	0.518	0.013	0.006	1.04
		Rear Face	0.288	0.641	0.027	0.048	1.00
	LTE Band 5 Ant0	Front Face	0.563	0.518	0.013	0.006	1.10
		Rear Face	0.337	0.641	0.027	0.048	1.05
	LTE Band 13 Ant0	Front Face	0.434	0.518	0.013	0.006	0.97
		Rear Face	0.291	0.641	0.027	0.048	1.01
	LTE Band 14 Ant0	Front Face	0.431	0.518	0.013	0.006	0.97
		Rear Face	0.257	0.641	0.027	0.048	0.97
	LTE Band 66 Ant0	Front Face	0.506	0.518	0.013	0.006	1.04
		Rear Face	0.194	0.641	0.027	0.048	0.91

<WWAN (Inter-band CA) + WLAN6G + BT>

Head Exposure Condition:

WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 ANT2	LTE Band 5 ANT0	Right Cheek	1.004	0.289	0.008	0.000	1.30
		Right Tilted	0.627	0.169	0.011	0.000	0.81
		Left Cheek	0.298	0.210	0.014	0.015	0.54
		Left Tilted	0.211	0.167	0.004	0.000	0.38
	LTE Band 12 ANT0	Right Cheek	1.004	0.179	0.008	0.000	1.19
		Right Tilted	0.627	0.078	0.011	0.000	0.72
		Left Cheek	0.298	0.141	0.014	0.015	0.47
		Left Tilted	0.211	0.083	0.004	0.000	0.30
	LTE Band 13 ANT0	Right Cheek	1.004	0.230	0.008	0.000	1.24
		Right Tilted	0.627	0.128	0.011	0.000	0.77
		Left Cheek	0.298	0.170	0.014	0.015	0.50
		Left Tilted	0.211	0.126	0.004	0.000	0.34
	LTE Band 14 ANT0	Right Cheek	1.004	0.229	0.008	0.000	1.24
		Right Tilted	0.627	0.109	0.011	0.000	0.75
		Left Cheek	0.298	0.154	0.014	0.015	0.48
		Left Tilted	0.211	0.114	0.004	0.000	0.33
		Right Cheek	1.004	0.201	0.008	0.000	1.21

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WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
	LTE Band 66 ANT0	Right Tilted	0.627	0.123	0.011	0.000	0.76
		Left Cheek	0.298	0.538	0.014	0.015	0.87
		Left Tilted	0.211	0.153	0.004	0.000	0.37
	LTE Band 71 ANT0	Right Cheek	1.004	0.124	0.008	0.000	1.14
		Right Tilted	0.627	0.062	0.011	0.000	0.70
		Left Cheek	0.298	0.186	0.014	0.015	0.51
		Left Tilted	0.211	0.073	0.004	0.000	0.29
LTE Band 7 ANT2	LTE Band 2 ANT0	Right Cheek	0.985	0.269	0.008	0.000	1.26
		Right Tilted	0.712	0.189	0.011	0.000	0.91
		Left Cheek	0.331	0.493	0.014	0.015	0.85
		Left Tilted	0.264	0.171	0.004	0.000	0.44
	LTE Band 5 ANT0	Right Cheek	0.985	0.289	0.008	0.000	1.28
		Right Tilted	0.712	0.169	0.011	0.000	0.89
		Left Cheek	0.331	0.210	0.014	0.015	0.57
		Left Tilted	0.264	0.167	0.004	0.000	0.44
	LTE Band 12 ANT0	Right Cheek	0.985	0.179	0.008	0.000	1.17
		Right Tilted	0.712	0.078	0.011	0.000	0.80
		Left Cheek	0.331	0.141	0.014	0.015	0.50
		Left Tilted	0.264	0.083	0.004	0.000	0.35
	LTE Band 66 ANT0	Right Cheek	0.985	0.201	0.008	0.000	1.19
		Right Tilted	0.712	0.123	0.011	0.000	0.85
		Left Cheek	0.331	0.538	0.014	0.015	0.90
		Left Tilted	0.264	0.153	0.004	0.000	0.42
LTE Band 30 ANT2	LTE Band 2 ANT0	Right Cheek	1.026	0.269	0.008	0.000	1.30
		Right Tilted	0.708	0.189	0.011	0.000	0.91
		Left Cheek	0.297	0.493	0.014	0.015	0.82
		Left Tilted	0.226	0.171	0.004	0.000	0.40
	LTE Band 5 ANT0	Right Cheek	1.026	0.289	0.008	0.000	1.32
		Right Tilted	0.708	0.169	0.011	0.000	0.89
		Left Cheek	0.297	0.210	0.014	0.015	0.54
		Left Tilted	0.226	0.167	0.004	0.000	0.40
	LTE Band 12 ANT0	Right Cheek	1.026	0.179	0.008	0.000	1.21
		Right Tilted	0.708	0.078	0.011	0.000	0.80
		Left Cheek	0.297	0.141	0.014	0.015	0.47
		Left Tilted	0.226	0.083	0.004	0.000	0.31
	LTE Band 14 ANT0	Right Cheek	1.026	0.229	0.008	0.000	1.26
		Right Tilted	0.708	0.109	0.011	0.000	0.83
		Left Cheek	0.297	0.154	0.014	0.015	0.48
		Left Tilted	0.226	0.114	0.004	0.000	0.34

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WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 66 ANT2	LTE Band 66 ANT0	Right Cheek	1.026	0.201	0.008	0.000	1.24
		Right Tilted	0.708	0.123	0.011	0.000	0.84
		Left Cheek	0.297	0.538	0.014	0.015	0.86
		Left Tilted	0.226	0.153	0.004	0.000	0.38
	LTE Band 2 ANT0	Right Cheek	0.822	0.269	0.008	0.000	1.10
		Right Tilted	0.605	0.189	0.011	0.000	0.80
		Left Cheek	0.291	0.493	0.014	0.015	0.81
		Left Tilted	0.209	0.171	0.004	0.000	0.38
	LTE Band 5 ANT0	Right Cheek	0.822	0.289	0.008	0.000	1.12
		Right Tilted	0.605	0.169	0.011	0.000	0.78
		Left Cheek	0.291	0.210	0.014	0.015	0.53
		Left Tilted	0.209	0.167	0.004	0.000	0.38
	LTE Band 7 ANT0	Right Cheek	0.822	0.327	0.008	0.000	1.16
		Right Tilted	0.605	0.305	0.011	0.000	0.92
		Left Cheek	0.291	0.602	0.014	0.015	0.92
		Left Tilted	0.209	0.218	0.004	0.000	0.43
	LTE Band 12 ANT0	Right Cheek	0.822	0.179	0.008	0.000	1.01
		Right Tilted	0.605	0.078	0.011	0.000	0.69
		Left Cheek	0.291	0.141	0.014	0.015	0.46
		Left Tilted	0.209	0.083	0.004	0.000	0.30
	LTE Band 13 ANT0	Right Cheek	0.822	0.230	0.008	0.000	1.06
		Right Tilted	0.605	0.128	0.011	0.000	0.74
		Left Cheek	0.291	0.170	0.014	0.015	0.49
		Left Tilted	0.209	0.126	0.004	0.000	0.34
	LTE Band 14 ANT0	Right Cheek	0.822	0.229	0.008	0.000	1.06
		Right Tilted	0.605	0.109	0.011	0.000	0.73
		Left Cheek	0.291	0.154	0.014	0.015	0.47
		Left Tilted	0.209	0.114	0.004	0.000	0.33
	LTE Band 30 ANT0	Right Cheek	0.822	0.385	0.008	0.000	1.22
		Right Tilted	0.605	0.325	0.011	0.000	0.94
		Left Cheek	0.291	0.622	0.014	0.015	0.94
		Left Tilted	0.209	0.248	0.004	0.000	0.46
	LTE Band 71 ANT0	Right Cheek	0.822	0.124	0.008	0.000	0.95
		Right Tilted	0.605	0.062	0.011	0.000	0.68
		Left Cheek	0.291	0.186	0.014	0.015	0.51
		Left Tilted	0.209	0.073	0.004	0.000	0.29

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Body Worn Exposure Condition:

WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 ANT2	LTE Band 5 ANT0	Front Face	0.626	0.563	0.013	0.006	1.21
		Rear Face	0.129	0.337	0.027	0.048	0.54
	LTE Band 12 ANT0	Front Face	0.626	0.223	0.013	0.006	0.87
		Rear Face	0.129	0.264	0.027	0.048	0.47
	LTE Band 13 ANT0	Front Face	0.626	0.434	0.013	0.006	1.08
		Rear Face	0.129	0.291	0.027	0.048	0.50
	LTE Band 14 ANT0	Front Face	0.626	0.431	0.013	0.006	1.08
		Rear Face	0.129	0.257	0.027	0.048	0.46
	LTE Band 66 ANT0	Front Face	0.626	0.506	0.013	0.006	1.15
		Rear Face	0.129	0.194	0.027	0.048	0.40
	LTE Band 71 ANT0	Front Face	0.626	0.223	0.013	0.006	0.87
		Rear Face	0.129	0.190	0.027	0.048	0.39
LTE Band 7 ANT2	LTE Band 2 ANT0	Front Face	0.626	0.507	0.013	0.006	1.15
		Rear Face	0.515	0.288	0.027	0.048	0.88
	LTE Band 5 ANT0	Front Face	0.626	0.563	0.013	0.006	1.21
		Rear Face	0.515	0.337	0.027	0.048	0.93
	LTE Band 12 ANT0	Front Face	0.626	0.223	0.013	0.006	0.87
		Rear Face	0.515	0.264	0.027	0.048	0.85
	LTE Band 66 ANT0	Front Face	0.626	0.506	0.013	0.006	1.15
		Rear Face	0.515	0.194	0.027	0.048	0.78
	LTE Band 30 ANT2	Front Face	0.679	0.507	0.013	0.006	1.21
		Rear Face	0.370	0.288	0.027	0.048	0.73
LTE Band 30 ANT2	LTE Band 5 ANT0	Front Face	0.679	0.563	0.013	0.006	1.26
		Rear Face	0.370	0.337	0.027	0.048	0.78
	LTE Band 12 ANT0	Front Face	0.679	0.223	0.013	0.006	0.92
		Rear Face	0.370	0.264	0.027	0.048	0.71
	LTE Band 14 ANT0	Front Face	0.679	0.431	0.013	0.006	1.13
		Rear Face	0.370	0.257	0.027	0.048	0.70
	LTE Band 66 ANT0	Front Face	0.679	0.506	0.013	0.006	1.20
		Rear Face	0.370	0.194	0.027	0.048	0.64
	LTE Band 2 ANT0	Front Face	0.546	0.507	0.013	0.006	1.07
		Rear Face	0.123	0.288	0.027	0.048	0.49
LTE Band 66 ANT2	LTE Band 5 ANT0	Front Face	0.546	0.563	0.013	0.006	1.13
		Rear Face	0.123	0.337	0.027	0.048	0.53
	LTE Band 7 ANT0	Front Face	0.546	0.585	0.013	0.006	1.15
		Rear Face	0.123	0.240	0.027	0.048	0.44
	LTE Band 12 ANT0	Front Face	0.546	0.223	0.013	0.006	0.79
		Rear Face	0.123	0.264	0.027	0.048	0.46

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WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Summed 1g SAR (W/kg)
			LTE	LTE	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
	LTE Band 13 ANT0	Front Face	0.546	0.434	0.013	0.006	1.00
		Rear Face	0.123	0.291	0.027	0.048	0.49
	LTE Band 14 ANT0	Front Face	0.546	0.431	0.013	0.006	1.00
		Rear Face	0.123	0.257	0.027	0.048	0.45
	LTE Band 30 ANT0	Front Face	0.546	0.534	0.013	0.006	1.10
		Rear Face	0.123	0.228	0.027	0.048	0.43
	LTE Band 71 ANT0	Front Face	0.546	0.223	0.013	0.006	0.79
		Rear Face	0.123	0.190	0.027	0.048	0.39

Note: For the SAR of WLAN 6G in the above simultaneous transmission evaluation, please refer to the WLAN 6G SAR test report (Report Number: SRTC2024-9004(F)-24031801(H), Issued By: The State Radio_monitoring_center Testing Center (SRTC))

<Total Exposure Ratio Analysis>

The fields generated by the antennas can be correlated or uncorrelated. At different frequencies, fields are always uncorrelated, and the aggregate power density contributions can be summed according to spatially averaged values of corresponding sources at any point in space, r , to determine the total exposure ratio (TER). Assuming I sources, the TER at each point in space is equal to

$$TER^{uncorr}(r) = \sum_{i=1}^I ER_i = \sum_{i=1}^I \frac{S_{av,i}(r, f_i)}{S_{lim}(f_i)}$$

where $S_{av,i}$ is the power density for the source i operating at a frequency f_i , and S_{lim} is the power density limit as specified by the relevant standard.

Exposure from transmitters operating above and below 6 GHz, where 6 GHz denotes the transition frequency where the basic restrictions change from being defined in terms of SAR to being defined in terms of power density, are therefore uncorrelated and the TER is determined as

$$TER^{uncorr}(r) = TER(r)_{f \leq 6GHz} + TER(r)_{f > 6GHz}$$

According to the IEC TR 63170, the total exposure ratio calculated by taking ratio of maximum reported SAR divided by SAR limit and adding it to maximum measured power density divided by power density limit. Numerical sum of the ratios should be less than 1. The TER analysis for this device is listed as below.

<WWAN (Single band) + WLAN6G + BT>

Head Exposure condition:

WWAN Band	Exposure Position	1	2	3	1+2+3 Max Exposure Ratio
		WWAN	WLAN6G SISO/MIMO	BT Ant6	
		1g SAR (W/kg)	PD (w/m ²)	1g SAR (W/kg)	
LTE 5	Right Cheek	0.289	0.669	0.000	0.25

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WWAN Band	Exposure Position	1	2	3	1+2+3 Max Exposure Ratio
		WWAN	WLAN6G SISO/MIMO	BT Ant6	
		1g SAR (W/kg)	PD (w/m ²)	1g SAR (W/kg)	
	Right Tilted	0.169	0.669	0.000	0.17
	Left Cheek	0.210	0.669	0.015	0.21
	Left Tilted	0.167	0.669	0.000	0.17
LTE 7	Right Cheek	0.327	0.669	0.000	0.27
	Right Tilted	0.305	0.669	0.000	0.26
	Left Cheek	0.602	0.669	0.015	0.45
	Left Tilted	0.218	0.669	0.000	0.20
LTE 12	Right Cheek	0.179	0.669	0.000	0.18
	Right Tilted	0.078	0.669	0.000	0.12
	Left Cheek	0.141	0.669	0.015	0.16
	Left Tilted	0.083	0.669	0.000	0.12
LTE 13	Right Cheek	0.230	0.669	0.000	0.21
	Right Tilted	0.128	0.669	0.000	0.15
	Left Cheek	0.170	0.669	0.015	0.18
	Left Tilted	0.126	0.669	0.000	0.15
LTE 14	Right Cheek	0.229	0.669	0.000	0.21
	Right Tilted	0.109	0.669	0.000	0.14
	Left Cheek	0.154	0.669	0.015	0.17
	Left Tilted	0.114	0.669	0.000	0.14
LTE 25/2	Right Cheek	0.269	0.669	0.000	0.23
	Right Tilted	0.189	0.669	0.000	0.18
	Left Cheek	0.493	0.669	0.015	0.38
	Left Tilted	0.171	0.669	0.000	0.17
LTE 26	Right Cheek	0.288	0.669	0.000	0.25
	Right Tilted	0.186	0.669	0.000	0.18
	Left Cheek	0.198	0.669	0.015	0.20
	Left Tilted	0.153	0.669	0.000	0.16
LTE 30	Right Cheek	0.385	0.669	0.000	0.31
	Right Tilted	0.325	0.669	0.000	0.27
	Left Cheek	0.622	0.669	0.015	0.46
	Left Tilted	0.248	0.669	0.000	0.22
LTE 41	Right Cheek	0.157	0.669	0.000	0.17
	Right Tilted	0.163	0.669	0.000	0.17
	Left Cheek	0.321	0.669	0.015	0.28
	Left Tilted	0.109	0.669	0.000	0.13
LTE 66/4	Right Cheek	0.201	0.669	0.000	0.19
	Right Tilted	0.123	0.669	0.000	0.14
	Left Cheek	0.538	0.669	0.015	0.41

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WWAN Band	Exposure Position	1	2	3	1+2+3 Max Exposure Ratio
		WWAN	WLAN6G SISO/MIMO	BT Ant6	
		1g SAR (W/kg)	PD (w/m ²)	1g SAR (W/kg)	
	Left Tilted	0.153	0.669	0.000	0.16
LTE 71	Right Cheek	0.124	0.669	0.000	0.14
	Right Tilted	0.062	0.669	0.000	0.11
	Left Cheek	0.186	0.669	0.015	0.19
	Left Tilted	0.073	0.669	0.000	0.11
NR n5	Right Cheek	0.179	0.669	0.000	0.18
	Right Tilted	0.129	0.669	0.000	0.15
	Left Cheek	0.132	0.669	0.015	0.16
	Left Tilted	0.102	0.669	0.000	0.13
NR n25/2	Right Cheek	0.153	0.669	0.000	0.16
	Right Tilted	0.113	0.669	0.000	0.14
	Left Cheek	0.345	0.669	0.015	0.29
	Left Tilted	0.109	0.669	0.000	0.14
NR n41	Right Cheek	1.120	0.669	0.000	0.77
	Right Tilted	0.668	0.669	0.000	0.48
	Left Cheek	0.519	0.669	0.015	0.40
	Left Tilted	0.362	0.669	0.000	0.29
NR n66	Right Cheek	0.149	0.669	0.000	0.16
	Right Tilted	0.100	0.669	0.000	0.13
	Left Cheek	0.350	0.669	0.015	0.29
	Left Tilted	0.121	0.669	0.000	0.14
NR n71	Right Cheek	0.109	0.669	0.000	0.13
	Right Tilted	0.000	0.669	0.000	0.07
	Left Cheek	0.142	0.669	0.015	0.17
	Left Tilted	0.056	0.669	0.000	0.10
NR n77/78	Right Cheek	0.949	0.669	0.000	0.66
	Right Tilted	0.141	0.669	0.000	0.16
	Left Cheek	0.358	0.669	0.015	0.30
	Left Tilted	0.265	0.669	0.000	0.23

Body Worn Exposure condition:

WWAN Band	Exposure Position	1	2	3	1+2+3 Max Exposure Ratio
		WWAN	WLAN6G SISO/MIMO	BT Ant6	
		1g SAR (W/kg)	PD (w/m ²)	1g SAR (W/kg)	
LTE 5	Front Face	0.563	0.669	0.006	0.42
	Rear Face	0.337	0.669	0.048	0.31
LTE 7	Front Face	0.585	0.669	0.006	0.44
	Rear Face	0.240	0.669	0.048	0.25

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WWAN Band	Exposure Position	1	2	3	1+2+3 Max Exposure Ratio
		WWAN	WLAN6G SISO/MIMO	BT Ant6	
		1g SAR (W/kg)	PD (w/m ²)	1g SAR (W/kg)	
LTE 12	Front Face	0.223	0.669	0.006	0.21
	Rear Face	0.264	0.669	0.048	0.26
LTE 13	Front Face	0.434	0.669	0.006	0.34
	Rear Face	0.291	0.669	0.048	0.28
LTE 14	Front Face	0.431	0.669	0.006	0.34
	Rear Face	0.257	0.669	0.048	0.26
LTE 25/2	Front Face	0.507	0.669	0.006	0.39
	Rear Face	0.288	0.669	0.048	0.28
LTE 26	Front Face	0.539	0.669	0.006	0.41
	Rear Face	0.320	0.669	0.048	0.30
LTE 30	Front Face	0.534	0.669	0.006	0.40
	Rear Face	0.228	0.669	0.048	0.24
LTE 41	Front Face	0.539	0.669	0.006	0.41
	Rear Face	0.227	0.669	0.048	0.24
LTE 66/4	Front Face	0.506	0.669	0.006	0.39
	Rear Face	0.194	0.669	0.048	0.22
LTE 71	Front Face	0.223	0.669	0.006	0.21
	Rear Face	0.190	0.669	0.048	0.22
NR n5	Front Face	0.379	0.669	0.006	0.31
	Rear Face	0.214	0.669	0.048	0.23
NR n25/2	Front Face	0.703	0.669	0.006	0.51
	Rear Face	0.335	0.669	0.048	0.31
NR n41	Front Face	0.526	0.669	0.006	0.40
	Rear Face	0.280	0.669	0.048	0.27
NR n66	Front Face	0.641	0.669	0.006	0.47
	Rear Face	0.286	0.669	0.048	0.28
NR n71	Front Face	0.193	0.669	0.006	0.19
	Rear Face	0.232	0.669	0.048	0.24
NR n77/78	Front Face	0.518	0.669	0.006	0.39
	Rear Face	0.641	0.669	0.048	0.50

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<WWAN (ENDC) + WLAN6G + BT>

Head Exposure condition:

WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Max Exposure Ratio
			LTE	NR	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	PD (w/m^2)	1g SAR (W/kg)	
NR Band n2 Ant2	LTE Band 5 Ant0	Right Cheek	0.289	0.935	0.669	0.000	0.83
		Right Tilted	0.169	0.656	0.669	0.000	0.58
		Left Cheek	0.210	0.281	0.669	0.015	0.38
		Left Tilted	0.167	0.197	0.669	0.000	0.29
	LTE Band 12 Ant0	Right Cheek	0.179	0.935	0.669	0.000	0.76
		Right Tilted	0.078	0.656	0.669	0.000	0.53
		Left Cheek	0.141	0.281	0.669	0.015	0.34
		Left Tilted	0.083	0.197	0.669	0.000	0.24
	LTE Band 13 Ant0	Right Cheek	0.230	0.935	0.669	0.000	0.79
		Right Tilted	0.128	0.656	0.669	0.000	0.56
		Left Cheek	0.170	0.281	0.669	0.015	0.36
		Left Tilted	0.126	0.197	0.669	0.000	0.27
	LTE Band 14 Ant0	Right Cheek	0.229	0.935	0.669	0.000	0.79
		Right Tilted	0.109	0.656	0.669	0.000	0.55
		Left Cheek	0.154	0.281	0.669	0.015	0.35
		Left Tilted	0.114	0.197	0.669	0.000	0.26
	LTE Band 30 Ant0	Right Cheek	0.385	0.935	0.669	0.000	0.89
		Right Tilted	0.325	0.656	0.669	0.000	0.68
		Left Cheek	0.622	0.281	0.669	0.015	0.64
		Left Tilted	0.248	0.197	0.669	0.000	0.34
	LTE Band 66 Ant0	Right Cheek	0.201	0.935	0.669	0.000	0.78
		Right Tilted	0.123	0.656	0.669	0.000	0.55
		Left Cheek	0.538	0.281	0.669	0.015	0.59
		Left Tilted	0.153	0.197	0.669	0.000	0.29
	LTE Band 71 Ant0	Right Cheek	0.124	0.935	0.669	0.000	0.73
		Right Tilted	0.062	0.656	0.669	0.000	0.52
		Left Cheek	0.186	0.281	0.669	0.015	0.37
		Left Tilted	0.073	0.197	0.669	0.000	0.24
NR Band n2 Ant0	LTE Band 66 Ant2	Right Cheek	0.822	0.153	0.669	0.000	0.68
		Right Tilted	0.605	0.113	0.669	0.000	0.52
		Left Cheek	0.291	0.345	0.669	0.015	0.47
		Left Tilted	0.209	0.109	0.669	0.000	0.27
NR Band n5 Ant0	LTE Band 2 Ant2	Right Cheek	1.004	0.179	0.669	0.000	0.81
		Right Tilted	0.627	0.129	0.669	0.000	0.54
		Left Cheek	0.298	0.132	0.669	0.015	0.34
		Left Tilted	0.211	0.102	0.669	0.000	0.26

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WWAN Band		Exposure Position	1	2	3	4	1+2+3+4 Max Exposure Ratio
			LTE	NR	WLAN6G SISO/MIMO	BT Ant6	
			1g SAR (W/kg)	1g SAR (W/kg)	PD (w/m ²)	1g SAR (W/kg)	
	LTE Band 30 Ant2	Right Cheek	1.026	0.179	0.669	0.000	0.82
		Right Tilted	0.708	0.129	0.669	0.000	0.59
		Left Cheek	0.297	0.132	0.669	0.015	0.34
		Left Tilted	0.226	0.102	0.669	0.000	0.27
	LTE Band 66 Ant2	Right Cheek	0.822	0.179	0.669	0.000	0.69
		Right Tilted	0.605	0.129	0.669	0.000	0.53
		Left Cheek	0.291	0.132	0.669	0.015	0.34
		Left Tilted	0.209	0.102	0.669	0.000	0.26
NR Band n41 Ant2	LTE Band 66 Ant0	Right Cheek	0.201	1.100	0.669	0.000	0.88
		Right Tilted	0.123	0.575	0.669	0.000	0.50
		Left Cheek	0.538	0.286	0.669	0.015	0.59
		Left Tilted	0.153	0.228	0.669	0.000	0.31
NR Band n66 Ant2	LTE Band 5 Ant0	Right Cheek	0.289	0.853	0.669	0.000	0.78
		Right Tilted	0.169	0.537	0.669	0.000	0.51
		Left Cheek	0.210	0.301	0.669	0.015	0.40
		Left Tilted	0.167	0.210	0.669	0.000	0.30
	LTE Band 12 Ant0	Right Cheek	0.179	0.853	0.669	0.000	0.71
		Right Tilted	0.078	0.537	0.669	0.000	0.45
		Left Cheek	0.141	0.301	0.669	0.015	0.35
		Left Tilted	0.083	0.210	0.669	0.000	0.25
	LTE Band 13 Ant0	Right Cheek	0.230	0.853	0.669	0.000	0.74
		Right Tilted	0.128	0.537	0.669	0.000	0.48
		Left Cheek	0.170	0.301	0.669	0.015	0.37
		Left Tilted	0.126	0.210	0.669	0.000	0.28
	LTE Band 14 Ant0	Right Cheek	0.229	0.853	0.669	0.000	0.74
		Right Tilted	0.109	0.537	0.669	0.000	0.47
		Left Cheek	0.154	0.301	0.669	0.015	0.36
		Left Tilted	0.114	0.210	0.669	0.000	0.27
	LTE Band 30 Ant0	Right Cheek	0.385	0.853	0.669	0.000	0.84
		Right Tilted	0.325	0.537	0.669	0.000	0.61
		Left Cheek	0.622	0.301	0.669	0.015	0.65
		Left Tilted	0.248	0.210	0.669	0.000	0.35
	LTE Band 71 Ant0	Right Cheek	0.124	0.853	0.669	0.000	0.68
		Right Tilted	0.062	0.537	0.669	0.000	0.44
		Left Cheek	0.186	0.301	0.669	0.015	0.38
		Left Tilted	0.073	0.210	0.669	0.000	0.24
NR Band n66 Ant0	LTE Band 2 Ant2	Right Cheek	1.004	0.149	0.669	0.000	0.79
		Right Tilted	0.627	0.100	0.669	0.000	0.52
		Left Cheek	0.298	0.350	0.669	0.015	0.48