

TEST REPORT

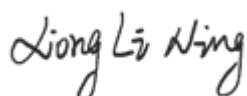
Applicant: Elo Touch Solutions, Inc
Address: 670 N. McCarthy Blvd., Suite 100, Milpitas, CA
95035, USA.
Equipment Type: Mobile Computer
Model Name: EMC-M51C
Brand Name: Elo
FCC ID: RBWEMCM51C
Test Standard: FCC 47 CFR Part 2.1093
(refer section 3.1)
Maximum SAR: Head (1 g@0mm): 0.71 W/kg
Body-worn (1 g@15mm): 0.85 W/kg
Hotspot (1 g@10mm): 0.90 W/kg
Specific (10g@0mm): 2.00W/kg
Sample Arrival Date: May. 25, 2024
Test Date: Aug. 14, 2024 - Sep. 16, 2024
Date of Issue: Oct. 31, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining**Checked by:** Xu Rui**Approved by:** Tolan Tu

(Testing Director)



Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Sep. 24, 2024</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Oct. 31, 2024</u>	<u>Updated the Sections 8 and 10.</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Elo Touch Solutions, Inc
Address	670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.

2.2 Manufacturer Information

Manufacturer	Elo Touch Solutions, Inc
Address	670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Computer
Model Name Under Test	EMC-M51C
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	166x78x16mm
Weight (Approx.)	N/A

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Elo
	Model No.	M51
	Serial No.	N/A
	Capacity	Rated: 4500mAh/17.33Wh
	Rated Voltage	3.85 V
	Limit Charge Voltage	4.4 V

2.6 Technical Information

Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/14/17/25/30/66/71 LTE TDD Band 38/41/42/43/48 5G Network SA: NR n2/n5/n12/n25/n30/n38/n41/n66/n71/n77/n78 NSA(EN-DC): DC_2A_n5A, DC_2A_n30A, DC_2A_n41A, DC_2A_n66A, DC_2A_n77A, DC_5A_n2A, DC_5A_n30A, DC_5A_n66A, DC_5A_n77A, DC_12A_n2A, DC_12A_n5A, DC_12A_n30A, DC_12A_n66A, DC_12A_n77A, DC_13A_n2A, DC_13A_n66A, DC_13A_n77A, DC_14A_n2A, DC_14A_n30A, DC_14A_n66A, DC_14A_n77A, DC_30A_n2A, DC_30A_n5A, DC_30A_n66A, DC_48A_n5A, DC_48A_n25A, DC_48A_n66A, DC_66A_n2A, DC_66A_n5A, DC_66A_n25A, DC_66A_n30A, DC_66A_n77A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160) and 802.11ax(HE20/40/80/160) 6G WIFI 802.11ax(HE20/40/80/160) GPS, GLONASS, BDS, Galileo
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	WCDMA; LTE; NR; WLAN; Bluetooth		
Frequency Range	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699-716MHz	RX: 729-746MHz
	LTE Band 13	TX: 777-787MHz	RX: 746-756MHz
	LTE Band 14	TX: 788-798MHz	RX: 758-768MHz
	LTE Band 17	TX: 704-716MHz	RX: 734-746MHz
	LTE Band 25	TX: 1850-1915MHz	RX:1930-1995 MHz
	LTE Band 30	TX: 2305-2315MHz	RX: 2350-2360MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 42	TX: 3450 ~ 3600 MHz	RX: 3450 ~ 3600 MHz
	LTE Band 43	TX: 3600 ~ 3700 MHz	RX: 3600 ~ 3700 MHz
	LTE Band 48	TX: 3550 ~ 3700 MHz	TX: 3550 ~ 3700 MHz
	LTE Band 66	TX: 1710-1780MHz	RX: 2110-2200MHz
	LTE Band 71	TX: 663-698MHz	RX:617-652 MHz
	n2	TX: 1850-1910MHz	RX: 1930-1990MHz
	n5	TX: 824-849MHz	RX: 869-894MHz
	n12	TX: 699-716MHz	RX: 729-746MHz
	n25	TX: 1850-1915MHz	RX:1930-1995 MHz
	n30	TX: 2305-2315MHz	RX: 2350-2360MHz
	n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	n66	TX: 1710-1780MHz	RX: 2110-2200MHz
	n71	TX: 663-698MHz	RX:617-652 MHz
	n77	TX: 3300 ~ 4200 MHz	TX: 3300 ~ 4200 MHz
	n78	TX: 3300 ~ 3800 MHz	TX: 3300 ~ 3800 MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	802.11ax (HE20/40)	2412 ~ 2462 MHz	
	802.11a/ /n(HT20/HT40) /ac(VHT20/VHT40 /VHT80/VHT160)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	

	802.11ax (HE20/40/80/160)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
		5925 ~ 7125 MHz
	Bluetooth	2402 ~ 2480 MHz
Antenna Type	WWAN: PIFA Antenna WIFI: PIFA Antenna Bluetooth: PIFA Antenna	
DTM	N/A	
Hotspot Function	Support	
Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype
Note: 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 3/4/5G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 3/4/5G transmitter for near to body exposure conditions. 3. The reduction power details please refer section 8.6.		

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate(SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
8	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	KDB 865664 D02 v01r02	RF Exposure Reporting
10	KDB 648474 D04 v01r03	SAR EVALUATION CONSIDERATIONS FOR WIRELESS HANDSETS
11	KDB 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g	1g SAR			10g
PCE	WCDMA Band 2	0.37	0.83	0.76	2.00	0.71	0.85	0.90	2.00
	WCDMA Band 4	0.19	0.76	0.85	1.71				
	WCDMA Band 5	0.21	0.26	0.30	/				
	LTE Band 2	0.34	0.24	0.33	/				
	LTE Band 4	0.16	0.27	0.46	0.94				
	LTE Band 5	0.23	0.25	0.33	/				
	LTE Band 7	0.09	0.51	0.61	1.32				
	LTE Band 12	0.16	0.27	0.33	/				
	LTE Band 13	0.19	0.32	0.38	/				
	LTE Band 14	0.17	0.25	0.27	/				
	LTE Band 17	0.14	0.28	0.32	/				
	LTE Band 25	0.33	0.85	0.58	/				
	LTE Band 30	0.04	0.39	0.61	/				
	LTE Band 38	0.06	0.35	0.60	/				
	LTE Band 41	0.06	0.38	0.72	/				
	LTE Band 42	0.28	0.54	0.71	/				
	LTE Band 43	0.63	0.45	0.90	/				
	LTE Band 48	0.55	0.25	0.45	/				
	LTE Band 66	0.23	0.32	0.54	1.15				
	LTE Band 71	0.16	0.29	0.34	/				
	n2	0.42	0.33	0.47	0.66				
	n5	0.24	0.29	0.38	/				
	n12	0.19	0.35	0.42	/				
	n25	0.35	0.37	0.47	0.69				
	n30	0.08	0.32	0.46	0.90				
	n38	0.13	0.59	0.85	/				
	n41	0.11	0.28	0.63	0.97				
	n66	0.19	0.31	0.47	0.97				
	n71	0.17	0.33	0.40	/				
	n77	0.68	0.43	0.50	0.69				
	n78	0.71	0.48	0.46	0.66				
DTS	2.4G WIFI	0.42	0.47	0.28	0.51				
NII	5G WIFI	0.13	0.38	0.32	0.30				
6XD	6G WIFI	0.03	0.23	/	0.57				
DSS	Bluetooth	0.03	0.03	0.07	/				

Limit (W/kg)	1.6	4.0	1.6	4.0
Verdict	Pass			

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (15mm)	Hotspot 1g (10mm)	Specific 10g(0mm)
PCE	1.40	1.34	1.46	2.22
Limit (W/Kg)	1.60	1.60	1.60	4.0
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 12.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 0.90 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10g SAR for the EUT in this report is 2.00 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

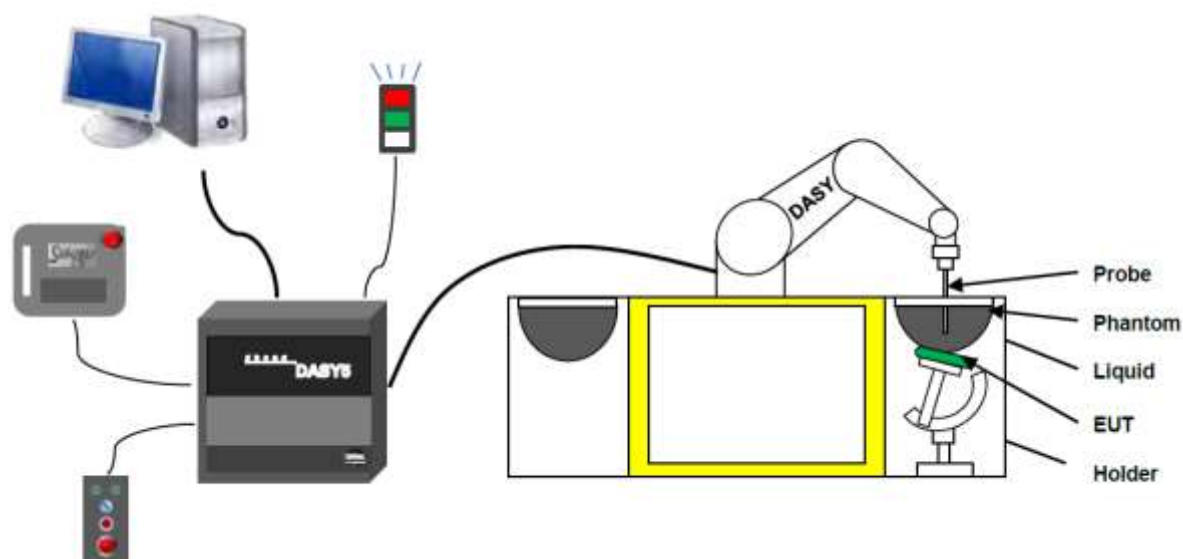
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

ρ is the mass density of the tissue and E is the RMS electrical field strength.

4.2 DASY SAR System

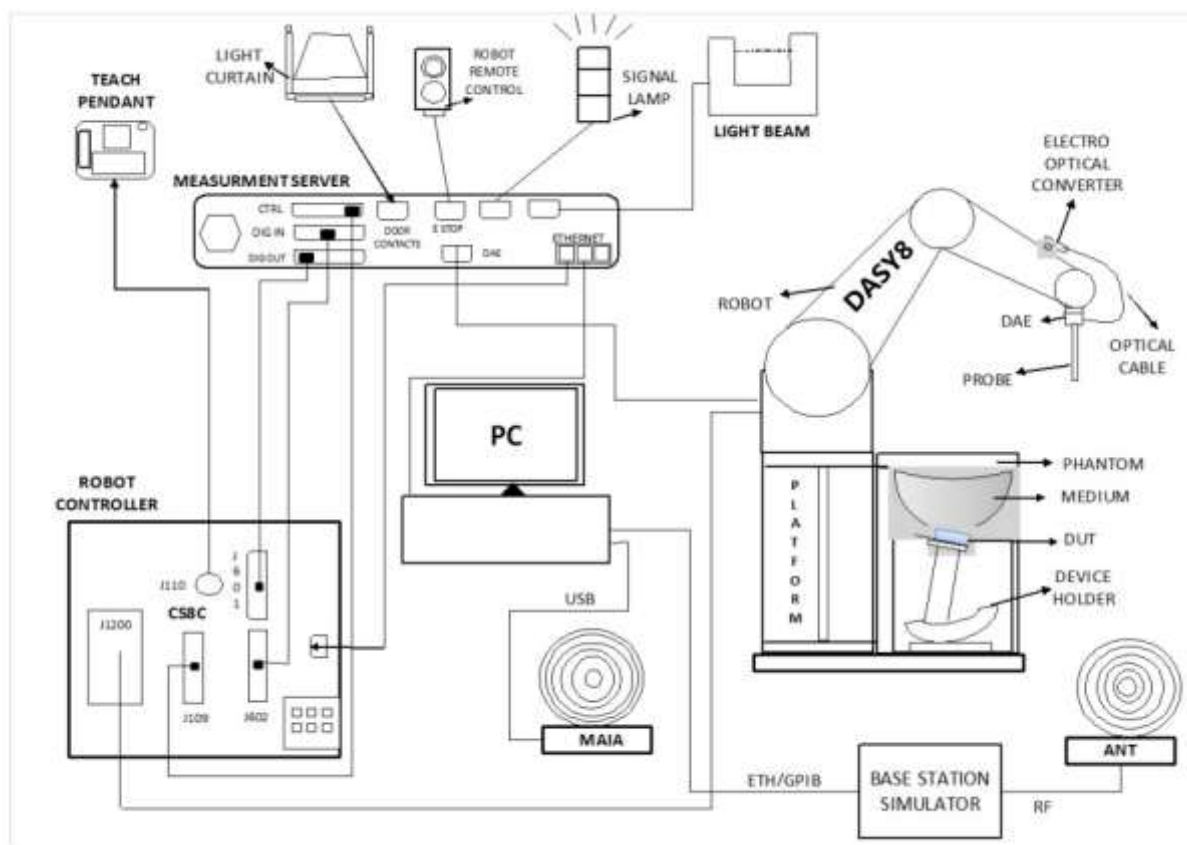
4.2.1 DASY 5 SAR System Diagram



The DASY5 system for performing compliance tests consists of the following items:

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

4.2.2 DASY8 SAR System Diagram



The DASY8 system for performing compliance tests consists of the following items:

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

4.2.3 DASY5 Robot

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



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

4.2.4 DASY8 Robot

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



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

4.2.5 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7350 with following specifications is used.

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 7.5 GHz; Linearity: ± 0.2 dB (30 MHz to 7.5 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (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: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)



The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7510 with following specifications is used.

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (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: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)

E-Field Probe Calibration Process

Probe calibration is realized, in compliance with CENELEC EN 62209-1/-2 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the EN 62209-1/2 annexe technique using reference guide at the five frequencies.

4.2.6 Data Acquisition Electronics

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



- Input Impedance: 200M Ω
- The Inputs: Symmetrical and Floating
- Common Mode Rejection: Above 80dB

4.2.7 Phantoms

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



- Left head
- Right head
- Flat phantom

Photo of Phantom SN1857



Photo of Phantom SN1859



Serial Number	Material	Length	Height
SN 1857 SAM1	Vinylester, glass fiber reinforced	1000	500
SN 1859 SAM2	Vinylester, glass fiber reinforced	1000	500

4.2.8 Device Holder

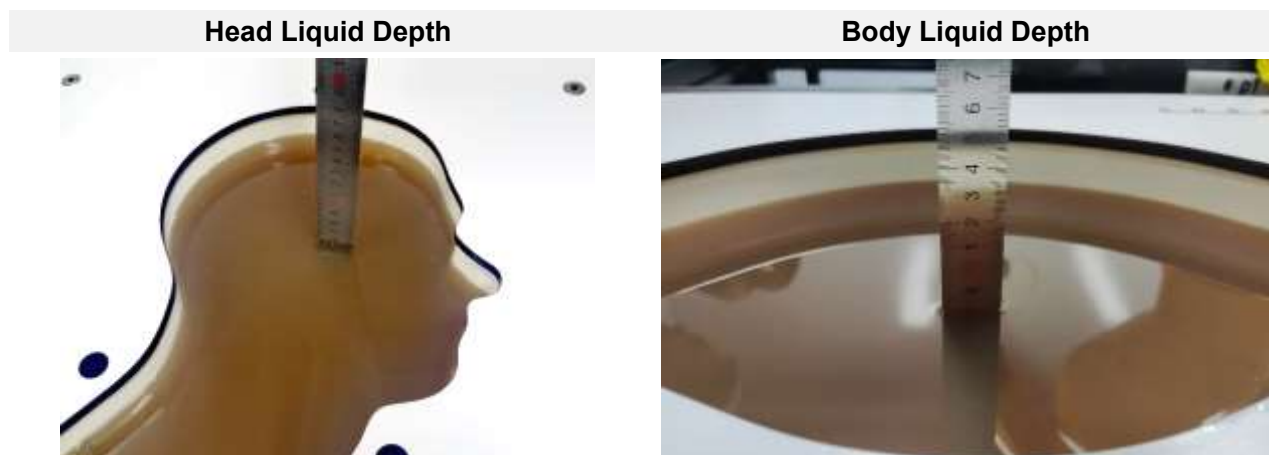
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA's only. If necessary an additional support of polystyrene material is used. Larger DUT's (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.



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

4.2.9 Simulating Liquid

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



The following table gives the recipes for tissue simulating liquid.

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

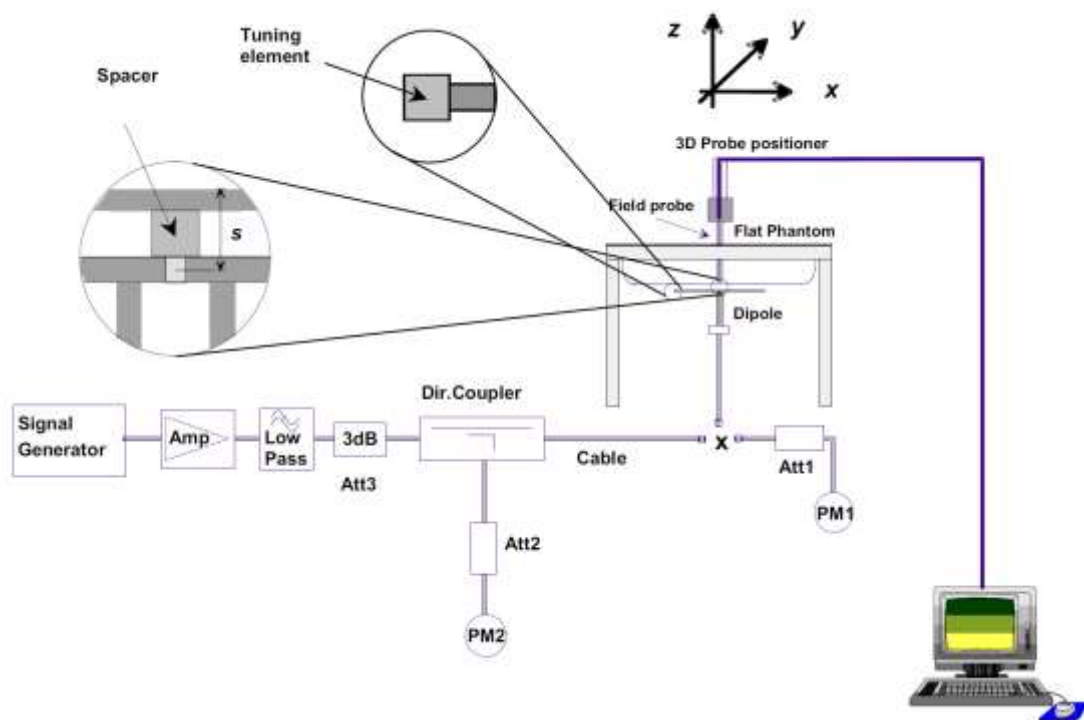
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

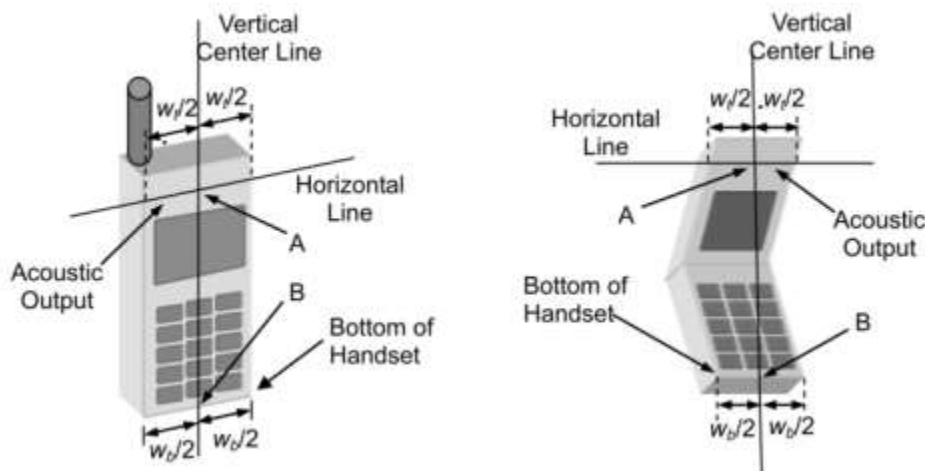
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

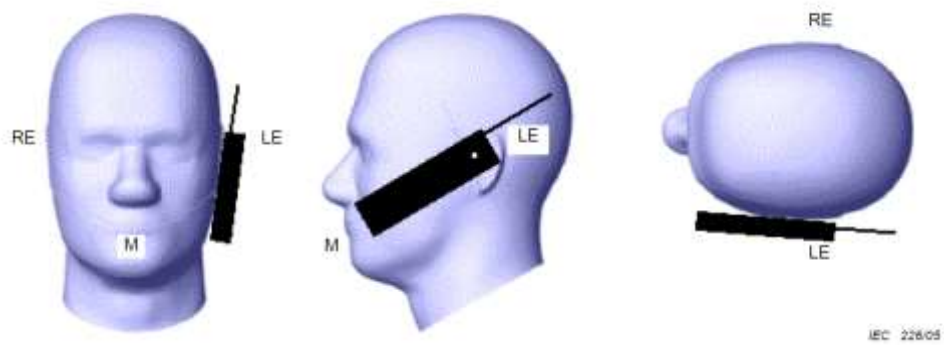
6.1.1 Two Imaginary Lines on the Handset

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



6.1.2 Cheek Position

- 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.
- To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Tilted Position

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

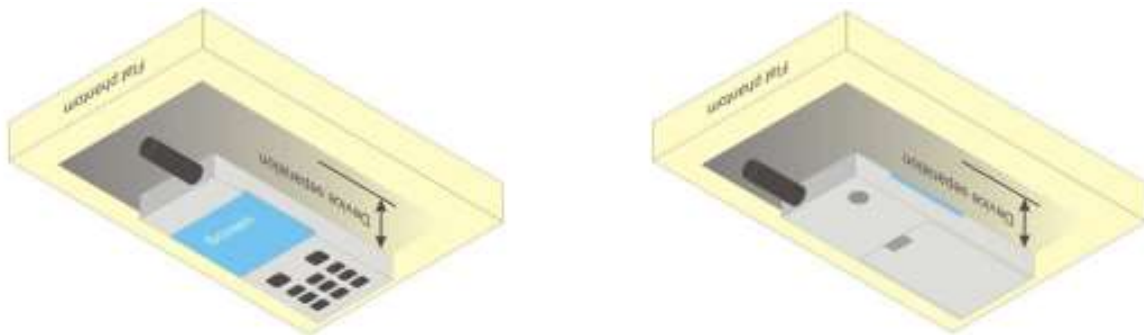


6.2 Body-worn Position Conditions

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

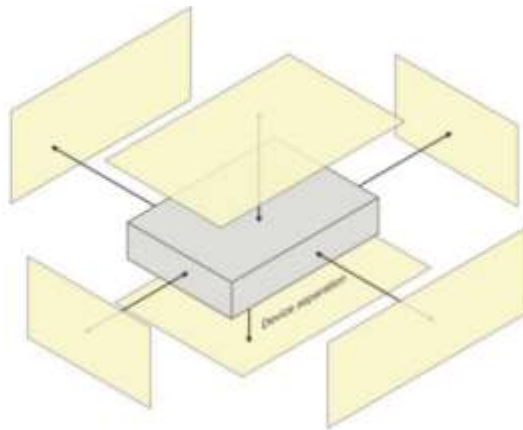
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



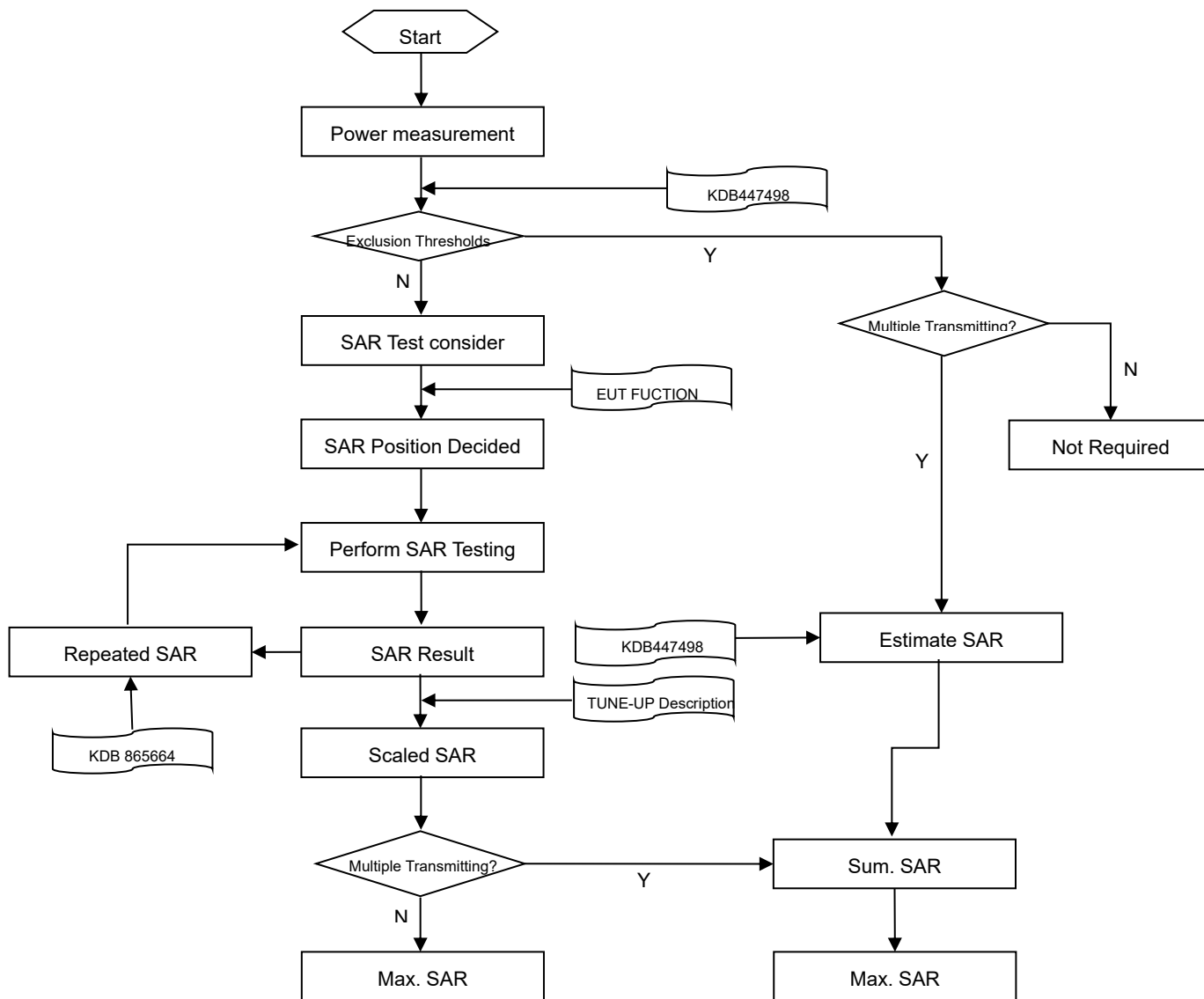
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

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

Note:

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

7.3 Measurement Procedure

The following steps are used for each test position

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

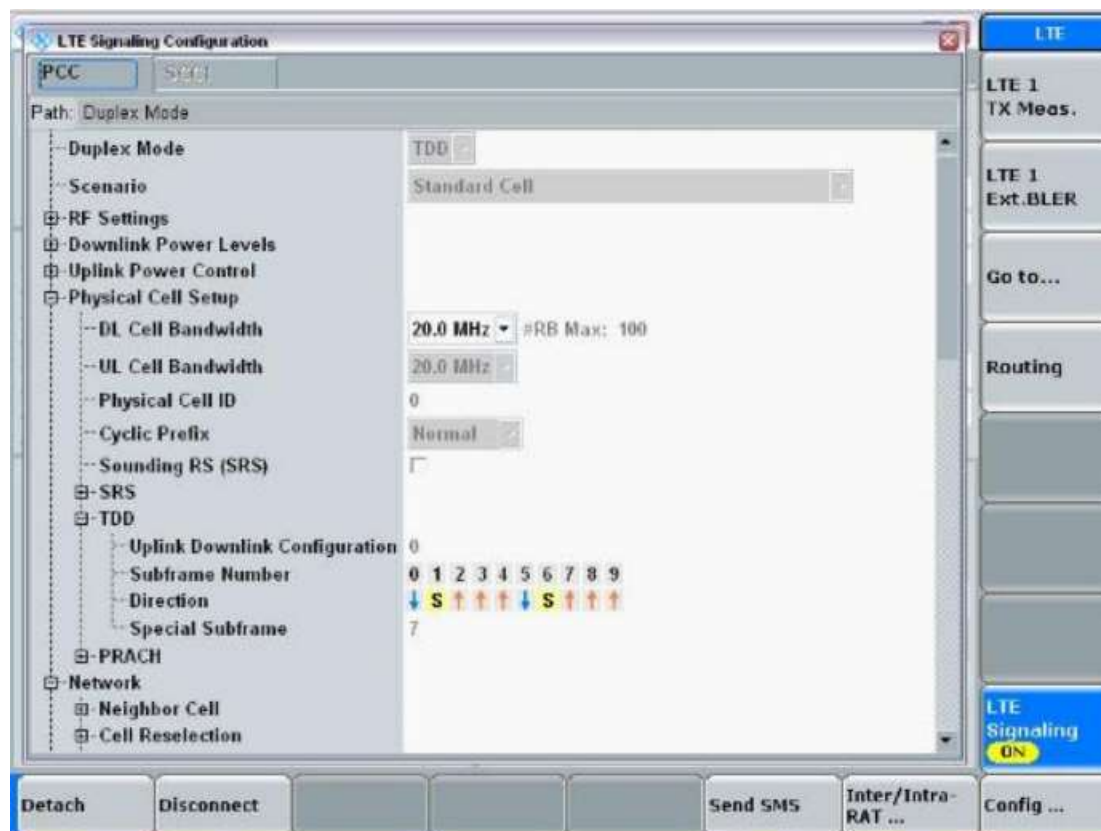
7.4 Area & Zoom Scan Procedure

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

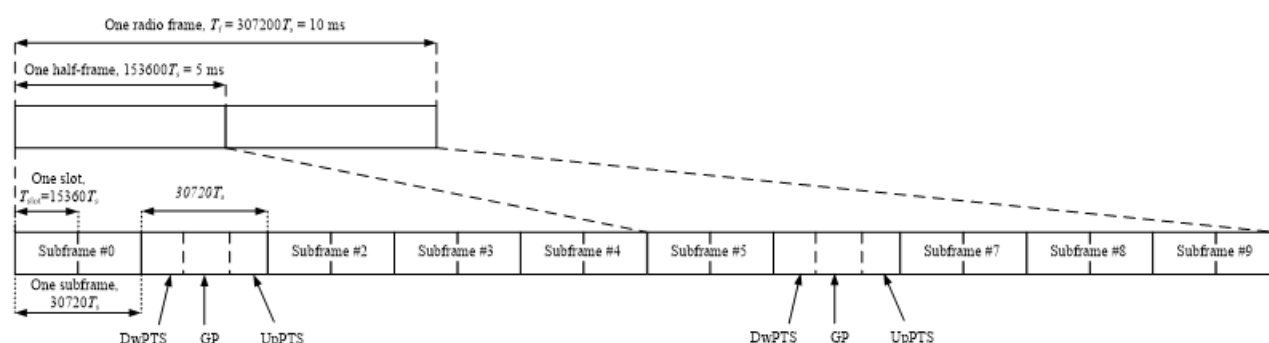
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 Area & Zoom Scan Procedure

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



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



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

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

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

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

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

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

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

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

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

8 CONDUCTED RF OUPUT POWER

8.1 WCDMA

Please refer the document “BL-SH2460232-AP Power List.pdf”.

8.2 LTE

Please refer the document “BL-SH2460232-AP Power List.pdf”.

8.3 NR

Please refer the document “BL-SH2460232-AP Power List.pdf”.

8.4 WIFI

8.4.1 2.4G WIFI-ANT 6-Full Power& Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	19.57	21.00	YES
		6	2437	19.48	21.00	YES
		11	2462	19.52	21.00	YES
	802.11g	1	2412	18.72	20.00	NO
		6	2437	18.66	20.00	NO
		11	2462	18.69	20.00	NO
	802.11n(HT20)	1	2412	17.70	19.00	NO
		6	2437	17.51	19.00	NO
		11	2462	17.49	19.00	NO
	802.11n(HT40)	3	2422	17.24	18.50	NO
		6	2437	17.11	18.50	NO
		9	2452	17.03	18.50	NO
	802.11 ax (HE20)	1	2412	17.67	19.00	NO
		6	2437	17.53	19.00	NO
		11	2462	17.58	19.00	NO
	802.11 ax (HE40)	3	2422	17.16	18.50	NO
		6	2437	17.14	18.50	NO
		9	2452	17.05	18.50	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.2 2.4G WIFI-ANT 6-Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.39	19.00	YES
		6	2437	17.55	19.00	YES
		11	2462	17.46	19.00	YES
	802.11g	1	2412	16.78	18.00	NO
		6	2437	16.71	18.00	NO
		11	2462	16.72	18.00	NO
	802.11n(HT20)	1	2412	15.86	17.00	NO
		6	2437	15.55	17.00	NO
		11	2462	15.72	17.00	NO
	802.11n(HT40)	3	2422	15.28	16.50	NO
		6	2437	15.20	16.50	NO
		9	2452	15.17	16.50	NO
	802.11 ax (HE20)	1	2412	15.62	17.00	NO
		6	2437	15.52	17.00	NO
		11	2462	15.77	17.00	NO
	802.11 ax (HE40)	3	2422	15.20	16.50	NO
		6	2437	15.13	16.50	NO
		9	2452	15.08	16.50	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.3 2.4G WIFI-ANT 6-Table 7

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.38	18.00	YES
		6	2437	16.49	18.00	YES
		11	2462	16.42	18.00	YES
	802.11g	1	2412	15.77	17.00	NO
		6	2437	15.74	17.00	NO
		11	2462	15.76	17.00	NO
	802.11n(HT20)	1	2412	14.82	16.00	NO
		6	2437	14.28	16.00	NO
		11	2462	14.40	16.00	NO
	802.11n(HT40)	3	2422	14.23	15.50	NO
		6	2437	14.00	15.50	NO
		9	2452	13.82	15.50	NO
	802.11 ax (HE20)	1	2412	14.68	16.00	NO
		6	2437	14.59	16.00	NO
		11	2462	14.46	16.00	NO
	802.11 ax (HE40)	3	2422	13.89	15.50	NO
		6	2437	14.18	15.50	NO
		9	2452	13.90	15.50	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.4 2.4G WIFI-ANT 7-Full Power& Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	19.55	21.00	NO
		6	2437	19.56	21.00	YES
		11	2462	19.49	21.00	NO
	802.11g	1	2412	18.78	20.00	NO
		6	2437	18.65	20.00	NO
		11	2462	18.61	20.00	NO
	802.11n(HT20)	1	2412	17.71	19.00	NO
		6	2437	17.48	19.00	NO
		11	2462	17.53	19.00	NO
	802.11n(HT40)	3	2422	17.25	18.50	NO
		6	2437	17.14	18.50	NO
		9	2452	17.07	18.50	NO
	802.11 ax (HE20)	1	2412	17.64	19.00	NO
		6	2437	17.51	19.00	NO
		11	2462	17.55	19.00	NO
	802.11 ax (HE40)	3	2422	17.12	18.50	NO
		6	2437	17.19	18.50	NO
		9	2452	17.01	18.50	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.5 2.4G WIFI-ANT 7-Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.40	19.00	YES
		6	2437	17.51	19.00	YES
		11	2462	17.49	19.00	YES
	802.11g	1	2412	16.68	18.00	NO
		6	2437	16.74	18.00	NO
		11	2462	16.86	18.00	NO
	802.11n(HT20)	1	2412	15.91	17.00	NO
		6	2437	15.38	17.00	NO
		11	2462	15.52	17.00	NO
	802.11n(HT40)	3	2422	15.33	16.50	NO
		6	2437	15.20	16.50	NO
		9	2452	15.29	16.50	NO
	802.11 ax (HE20)	1	2412	15.53	17.00	NO
		6	2437	15.69	17.00	NO
		11	2462	15.56	17.00	NO
	802.11 ax (HE40)	3	2422	15.17	16.50	NO
		6	2437	15.43	16.50	NO
		9	2452	15.23	16.50	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.6 2.4G WIFI-ANT 7-Table 7

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.33	18.00	NO
		6	2437	16.40	18.00	YES
		11	2462	16.38	18.00	NO
	802.11g	1	2412	15.84	17.00	NO
		6	2437	15.46	17.00	NO
		11	2462	15.57	17.00	NO
	802.11n(HT20)	1	2412	14.58	16.00	NO
		6	2437	14.54	16.00	NO
		11	2462	14.42	16.00	NO
	802.11n(HT40)	3	2422	14.19	15.50	NO
		6	2437	14.01	15.50	NO
		9	2452	13.86	15.50	NO
	802.11 ax (HE20)	1	2412	14.42	16.00	NO
		6	2437	14.26	16.00	NO
		11	2462	14.31	16.00	NO
	802.11 ax (HE40)	3	2422	13.97	15.50	NO
		6	2437	14.14	15.50	NO
		9	2452	13.85	15.50	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.7 2.4G WIFI-MIMO-Full Power& Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	N/A		
		6	2437			
		11	2462			
	802.11g	1	2412			
		6	2437			
		11	2462			
	802.11n(HT20)	1	2412	18.20	19.50	Yes
		6	2437	18.04	19.50	NO
		11	2462	18.04	19.50	NO
	802.11n(HT40)	3	2422	17.75	19.00	NO
		6	2437	17.65	19.00	NO
		9	2452	17.62	19.00	NO
	802.11 ax (HE20)	1	2412	18.15	19.50	NO
		6	2437	18.04	19.50	NO
		11	2462	18.09	19.50	NO
	802.11 ax (HE40)	3	2422	17.71	19.00	NO
		6	2437	17.64	19.00	NO
		9	2452	17.58	19.00	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.8 2.4G WIFI-MIMO-Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	N/A		
		6	2437			
		11	2462			
	802.11g		2412			
		6	2437			
		11	2462			
	802.11n(HT20)	1	2412	16.43	17.50	Yes
		6	2437	16.00	17.50	NO
		11	2462	16.00	17.50	NO
	802.11n(HT40)	3	2422	15.87	17.00	NO
		6	2437	15.60	17.00	NO
		9	2452	15.68	17.00	NO
	802.11 ax (HE20)	1	2412	16.09	17.50	NO
		6	2437	16.12	17.50	NO
		11	2462	16.32	17.50	NO
	802.11 ax (HE40)	3	2422	15.81	17.00	NO
		6	2437	15.80	17.00	NO
		9	2452	15.59	17.00	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.9 2.4G WIFI-MIMO-Table 7

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	N/A		
		6	2437			
		11	2462			
	802.11g	1	2412			
		6	2437			
		11	2462			
	802.11n(HT20)	1	2412	15.76	16.50	Yes
		6	2437	15.05	16.50	NO
		11	2462	14.99	16.50	NO
	802.11n(HT40)	3	2422	14.75	16.00	NO
		6	2437	14.72	16.00	NO
		9	2452	14.74	16.00	NO
	802.11 ax (HE20)	1	2412	15.05	16.50	NO
		6	2437	15.33	16.50	NO
		11	2462	15.58	16.50	NO
	802.11 ax (HE40)	3	2422	14.97	16.00	NO
		6	2437	15.00	16.00	NO
		9	2452	14.58	16.00	NO

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

8.4.10 5G WIFI-ANT 6-Full Power& Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	16.55	18.00	No
		44	5220	16.58	18.00	No
		48	5240	16.51	18.00	No
		52	5260	16.53	18.00	No
		60	5300	16.59	18.00	Yes
		64	5320	16.56	18.00	No
		100	5500	16.52	18.00	No
		116	5580	16.55	18.00	Yes
		140	5700	16.51	18.00	No
		149	5745	14.57	16.00	No
		157	5785	14.66	16.00	Yes
		165	5825	14.44	16.00	No
	802.11n(HT20)	36	5180	16.53	18.00	No
		44	5220	16.49	18.00	No
		48	5240	16.54	18.00	No
		52	5260	16.52	18.00	No
		60	5300	16.41	18.00	No
		64	5320	16.47	18.00	No
		100	5500	16.55	18.00	No
		116	5580	16.46	18.00	No
		140	5700	16.43	18.00	No
		149	5745	14.18	16.00	No
		157	5785	13.96	16.00	No
		165	5825	14.22	16.00	No
	802.11n(HT40)	38	5190	15.58	17.00	No
		46	5230	15.47	17.00	No
		54	5270	15.55	17.00	No
		62	5310	15.41	17.00	No
		102	5510	15.53	17.00	No
		118	5590	15.42	17.00	No
		134	5670	15.45	17.00	No
		151	5755	13.36	15.00	No
	802.11ac(VHT20)	159	5795	13.41	15.00	No
		36	5180	13.51	15.00	No
		44	5220	13.42	15.00	No

		48	5240	13.55	15.00	No
		52	5260	13.43	15.00	No
		60	5300	13.47	15.00	No
		64	5320	13.54	15.00	No
		100	5500	13.47	15.00	No
		116	5580	13.44	15.00	No
		140	5700	11.41	13.00	No
		149	5745	11.48	13.00	No
		157	5785	11.64	13.00	No
		165	5825	11.62	13.00	No
	802.11ac(VHT40)	38	5190	13.47	15.00	No
		46	5230	13.52	15.00	No
		54	5270	13.35	15.00	No
		62	5310	13.36	15.00	No
		102	5510	13.38	15.00	No
		118	5590	13.43	15.00	No
		134	5670	11.41	13.00	No
		151	5755	11.43	13.00	No
		159	5795	11.54	13.00	No
	802.11ac(VHT80)	42	5210	13.39	15.00	No
		58	5290	13.36	15.00	No
		106	5530	13.35	15.00	No
		112	5610	12.28	14.00	No
		155	5775	11.47	13.00	No
	802.11ac (VHT160)	50	5250	13.32	15.00	No
		114	5570	13.25	15.00	No
	802.11ax(HE20)	36	5180	12.53	14.00	No
		44	5220	12.47	14.00	No
		48	5240	12.58	14.00	No
		52	5260	12.44	14.00	No
		60	5300	12.42	14.00	No
		64	5320	12.49	14.00	No
		100	5500	12.46	14.00	No
		116	5580	11.91	13.50	No
		140	5700	10.49	12.50	No
		149	5745	10.46	12.50	No
		157	5785	10.72	12.50	No
		165	5825	10.88	12.50	No
	802.11ax(HE40)	38	5190	12.49	14.00	No

		46	5230	12.51	14.00	No
		54	5270	12.58	14.00	No
		62	5310	12.42	14.00	No
		102	5510	12.58	14.00	No
		118	5590	11.43	13.00	No
		134	5670	10.33	12.00	No
		151	5755	10.15	12.00	No
		159	5795	10.32	12.00	No
	802.11ax(HE80)	42	5210	12.42	14.00	No
		58	5290	12.36	14.00	No
		106	5530	12.38	14.00	No
		112	5610	11.44	13.00	No
		155	5775	11.06	13.00	No
	802.11ax(HE160)	50	5250	12.55	14.00	No
		114	5570	12.07	14.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.11 5G WIFI-ANT 6-Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	13.46	15.00	No
		44	5220	13.48	15.00	No
		48	5240	13.44	15.00	No
		52	5260	13.54	15.00	Yes
		60	5300	13.45	15.00	Yes
		64	5320	13.44	15.00	Yes
		100	5500	13.53	15.00	Yes
		116	5580	13.43	15.00	Yes
		140	5700	13.41	15.00	Yes
		149	5745	11.55	13.00	Yes
		157	5785	11.36	13.00	Yes
		165	5825	11.42	13.00	Yes
	802.11n(HT20)	36	5180	13.74	15.00	No
		44	5220	13.79	15.00	No
		48	5240	13.49	15.00	No
		52	5260	13.43	15.00	No
		60	5300	13.43	15.00	No
		64	5320	13.48	15.00	No
		100	5500	13.61	15.00	No
		116	5580	13.73	15.00	No
		140	5700	13.68	15.00	No
		149	5745	11.15	13.00	No
		157	5785	11.21	13.00	No
		165	5825	11.31	13.00	No
	802.11n(HT40)	38	5190	12.58	14.00	No
		46	5230	12.76	14.00	No
		54	5270	12.75	14.00	No
		62	5310	12.38	14.00	No
		102	5510	12.70	14.00	No
		118	5590	12.37	14.00	No
		134	5670	12.46	14.00	No
		151	5755	10.58	12.00	No
		159	5795	10.35	12.00	No
	802.11ac(VHT20)	36	5180	10.80	12.00	No
		44	5220	10.45	12.00	No

		48	5240	10.78	12.00	No
		52	5260	10.47	12.00	No
		60	5300	10.58	12.00	No
		64	5320	10.56	12.00	No
		100	5500	10.50	12.00	No
		116	5580	10.54	12.00	No
		140	5700	8.38	10.00	No
		149	5745	8.74	10.00	No
		157	5785	8.80	10.00	No
		165	5825	8.64	10.00	No
	802.11ac(VHT40)	38	5190	10.77	12.00	No
		46	5230	10.58	12.00	No
		54	5270	10.32	12.00	No
		62	5310	10.36	12.00	No
		102	5510	10.50	12.00	No
		118	5590	10.54	12.00	No
		134	5670	8.54	10.00	No
		151	5755	8.35	10.00	No
		159	5795	8.70	10.00	No
	802.11ac(VHT80)	42	5210	10.68	12.00	No
		58	5290	10.61	12.00	No
		106	5530	10.45	12.00	No
		112	5610	9.32	11.00	No
		155	5775	8.70	10.00	No
	802.11ac(VHT160)	50	5250	10.25	12.00	No
		114	5570	10.29	12.00	No
	802.11ax(HE20)	36	5180	9.59	11.00	No
		44	5220	9.43	11.00	No
		48	5240	9.84	11.00	No
		52	5260	9.54	11.00	No
		60	5300	9.42	11.00	No
		64	5320	9.45	11.00	No
		100	5500	9.53	11.00	No
		116	5580	8.82	10.50	No
		140	5700	7.57	9.50	No
		149	5745	7.48	9.50	No
		157	5785	7.98	9.50	No
		165	5825	7.81	9.50	No
	802.11ax(HE40)	38	5190	9.75	11.00	No

		46	5230	9.43	11.00	No
		54	5270	9.51	11.00	No
		62	5310	9.53	11.00	No
		102	5510	9.87	11.00	No
		118	5590	8.38	10.00	No
		134	5670	7.52	9.00	No
		151	5755	7.12	9.00	No
		159	5795	7.37	9.00	No
	802.11ax(HE80)	42	5210	9.58	11.00	No
		58	5290	9.42	11.00	No
		106	5530	9.40	11.00	No
		112	5610	8.36	10.00	No
		155	5775	8.01	10.00	No
	802.11ax(HE160)	50	5250	9.69	11.00	No
		114	5570	9.37	11.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.12 5G WIFI-ANT 6-Table 7

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	12.48	14.00	Yes
		44	5220	12.55	14.00	Yes
		48	5240	12.51	14.00	Yes
		52	5260	12.56	14.00	Yes
		60	5300	12.57	14.00	Yes
		64	5320	12.48	14.00	Yes
		100	5500	12.50	14.00	Yes
		116	5580	12.56	14.00	Yes
		140	5700	12.51	14.00	Yes
		149	5745	10.48	12.00	Yes
		157	5785	10.49	12.00	Yes
		165	5825	10.42	12.00	Yes
	802.11n(HT20)	36	5180	12.41	14.00	No
		44	5220	12.47	14.00	No
		48	5240	12.29	14.00	No
		52	5260	12.19	14.00	No
		60	5300	12.44	14.00	No
		64	5320	12.35	14.00	No
		100	5500	12.36	14.00	No
		116	5580	12.52	14.00	No
		140	5700	12.54	14.00	No
		149	5745	10.24	12.00	No
		157	5785	10.00	12.00	No
		165	5825	10.16	12.00	No
	802.11n(HT40)	38	5190	11.57	13.00	No
		46	5230	11.56	13.00	No
		54	5270	11.82	13.00	No
		62	5310	11.45	13.00	No
		102	5510	11.62	13.00	No
		118	5590	11.21	13.00	No
		134	5670	11.37	13.00	No
		151	5755	9.52	11.00	No
	802.11ac(VHT20)	159	5795	9.45	11.00	No
		36	5180	9.55	11.00	No
		44	5220	9.42	11.00	No

		48	5240	9.73	11.00	No
		52	5260	9.42	11.00	No
		60	5300	9.46	11.00	No
		64	5320	9.31	11.00	No
		100	5500	9.45	11.00	No
		116	5580	9.34	11.00	No
		140	5700	7.31	9.00	No
		149	5745	7.79	9.00	No
		157	5785	7.64	9.00	No
		165	5825	7.39	9.00	No
	802.11ac(VHT40)	38	5190	9.81	11.00	No
		46	5230	9.31	11.00	No
		54	5270	9.27	11.00	No
		62	5310	9.31	11.00	No
		102	5510	9.26	11.00	No
		118	5590	9.63	11.00	No
		134	5670	7.30	9.00	No
		151	5755	7.29	9.00	No
		159	5795	7.59	9.00	No
	802.11ac(VHT80)	42	5210	9.41	11.00	No
		58	5290	9.38	11.00	No
		106	5530	9.53	11.00	No
		112	5610	8.23	10.00	No
		155	5775	7.64	9.00	No
	802.11ac(VHT160)	50	5250	8.97	11.00	No
		114	5570	9.34	11.00	No
	802.11ax(HE20)	36	5180	8.53	10.00	No
		44	5220	8.32	10.00	No
		48	5240	8.67	10.00	No
		52	5260	8.33	10.00	No
		60	5300	8.30	10.00	No
		64	5320	8.20	10.00	No
		100	5500	8.27	10.00	No
		116	5580	7.90	10.50	No
		140	5700	6.54	8.50	No
		149	5745	6.21	8.50	No
		157	5785	6.91	8.50	No
		165	5825	6.88	8.50	No
	802.11ax(HE40)	38	5190	8.82	10.00	No

		46	5230	8.39	10.00	No
		54	5270	8.47	10.00	No
		62	5310	8.27	10.00	No
		102	5510	8.92	10.00	No
		118	5590	7.29	9.00	No
		134	5670	6.43	8.00	No
		151	5755	6.16	8.00	No
		159	5795	6.46	8.00	No
	802.11ax(HE80)	42	5210	8.68	10.00	No
		58	5290	8.20	10.00	No
		106	5530	8.36	10.00	No
		112	5610	7.33	9.00	No
		155	5775	7.09	9.00	No
	802.11ax(HE160)	50	5250	8.42	10.00	No
		114	5570	8.26	10.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.13 5G WIFI-ANT 7-Full Power& Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	15.53	17.00	No
		44	5220	15.49	17.00	No
		48	5240	15.54	17.00	No
		52	5260	15.52	17.00	Yes
		60	5300	15.45	17.00	Yes
		64	5320	15.58	17.00	Yes
		100	5500	15.87	17.00	Yes
		116	5580	15.76	17.00	Yes
		140	5700	15.88	17.00	Yes
		149	5745	14.55	16.00	Yes
		157	5785	14.32	16.00	No
		165	5825	14.49	16.00	No
	802.11n(HT20)	36	5180	15.52	17.00	No
		44	5220	15.43	17.00	No
		48	5240	15.56	17.00	No
		52	5260	15.53	17.00	No
		60	5300	15.48	17.00	No
		64	5320	15.44	17.00	No
		100	5500	15.61	17.00	No
		116	5580	15.59	17.00	No
		140	5700	15.54	17.00	No
		149	5745	14.14	16.00	No
		157	5785	14.08	16.00	No
		165	5825	14.26	16.00	No
	802.11n(HT40)	38	5190	14.55	16.00	No
		46	5230	14.42	16.00	No
		54	5270	14.56	16.00	No
		62	5310	14.47	16.00	No
		102	5510	15.05	16.00	No
		118	5590	14.97	16.00	No
		134	5670	14.90	16.00	No
		151	5755	13.37	15.00	No
	802.11ac(VHT20)	159	5795	13.48	15.00	No
		36	5180	12.53	14.00	No
		44	5220	12.37	14.00	No

		48	5240	12.38	14.00	No
		52	5260	12.44	14.00	No
		60	5300	12.41	14.00	No
		64	5320	12.58	14.00	No
		100	5500	12.91	14.00	No
		116	5580	13.05	14.00	No
		140	5700	12.46	14.00	No
		149	5745	11.42	13.00	No
		157	5785	11.66	13.00	No
		165	5825	11.64	13.00	No
	802.11ac(VHT40)	38	5190	12.49	14.00	No
		46	5230	12.51	14.00	No
		54	5270	12.31	14.00	No
		62	5310	12.37	14.00	No
		102	5510	13.11	14.00	No
		118	5590	13.14	14.00	No
		134	5670	13.12	14.00	No
		151	5755	11.47	13.00	No
		159	5795	11.51	13.00	No
	802.11ac(VHT80)	42	5210	12.52	14.00	No
		58	5290	12.48	14.00	No
		106	5530	12.93	14.00	No
		112	5610	12.76	14.00	No
		155	5775	11.43	13.00	No
	802.11ac(VHT160)	50	5250	12.45	14.00	No
		114	5570	13.11	14.00	No
	802.11ax(HE20)	36	5180	11.54	13.00	No
		44	5220	11.35	13.00	No
		48	5240	11.22	13.00	No
		52	5260	11.46	13.00	No
		60	5300	11.51	13.00	No
		64	5320	11.45	13.00	No
		100	5500	12.07	13.00	No
		116	5580	11.98	13.00	No
		140	5700	11.86	13.00	No
		149	5745	10.48	12.00	No
		157	5785	10.76	12.00	No
		165	5825	10.86	12.00	No
	802.11ax(HE40)	38	5190	11.48	13.00	No

		46	5230	11.37	13.00	No
		54	5270	11.56	13.00	No
		62	5310	11.48	13.00	No
		102	5510	12.11	13.00	No
		118	5590	11.96	13.00	No
		134	5670	11.94	13.00	No
		151	5755	10.17	12.00	No
		159	5795	10.39	12.00	No
	802.11ax(HE80)	42	5210	11.48	13.00	No
		58	5290	11.68	13.00	No
		106	5530	12.02	13.00	No
		112	5610	12.06	13.00	No
		155	5775	11.12	12.50	No
	802.11ax(HE160)	38	5190	11.57	13.00	No
		46	5230	11.54	13.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.14 5G WIFI-ANT 7-Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	12.54	14.00	No
		44	5220	12.59	14.00	No
		48	5240	12.50	14.00	No
		52	5260	13.53	15.00	No
		60	5300	13.55	15.00	Yes
		64	5320	13.42	15.00	No
		100	5500	12.58	14.00	No
		116	5580	12.66	14.00	Yes
		140	5700	12.55	14.00	No
		149	5745	11.50	13.00	No
		157	5785	11.52	13.00	Yes
		165	5825	11.46	13.00	No
	802.11n(HT20)	36	5180	12.33	14.00	No
		44	5220	12.43	14.00	No
		48	5240	12.46	14.00	No
		52	5260	12.36	14.00	No
		60	5300	12.51	14.00	No
		64	5320	12.19	14.00	No
		100	5500	12.43	14.00	No
		116	5580	12.51	14.00	No
		140	5700	12.46	14.00	No
		149	5745	11.12	13.00	No
		157	5785	11.21	13.00	No
		165	5825	11.24	13.00	No
	802.11n(HT40)	38	5190	11.28	13.00	No
		46	5230	11.24	13.00	No
		54	5270	11.29	13.00	No
		62	5310	11.31	13.00	No
		102	5510	12.02	13.00	No
		118	5590	12.06	13.00	No
		134	5670	11.68	13.00	No
		151	5755	10.48	12.00	No
	802.11ac(VHT20)	36	5180	9.49	11.00	No
		44	5220	9.22	11.00	No

		48	5240	9.38	11.00	No
		52	5260	9.25	11.00	No
		60	5300	9.46	11.00	No
		64	5320	9.30	11.00	No
		100	5500	10.02	11.00	No
		116	5580	10.03	11.00	No
		140	5700	9.48	11.00	No
		149	5745	8.47	10.00	No
		157	5785	8.69	10.00	No
		165	5825	8.71	10.00	No
	802.11ac(VHT40)	38	5190	9.31	11.00	No
		46	5230	9.23	11.00	No
		54	5270	9.32	11.00	No
		62	5310	9.11	11.00	No
		102	5510	10.07	11.00	No
		118	5590	9.97	11.00	No
		134	5670	9.97	11.00	No
		151	5755	8.55	10.00	No
		159	5795	8.39	10.00	No
	802.11ac(VHT80)	42	5210	9.37	11.00	No
		58	5290	9.31	11.00	No
		106	5530	9.87	11.00	No
		112	5610	9.59	11.00	No
		155	5775	8.18	10.00	No
	802.11ac (VHT160)	50	5250	9.27	11.00	No
		114	5570	10.07	11.00	No
	802.11ax(HE20)	36	5180	8.47	10.00	No
		44	5220	8.19	10.00	No
		48	5240	8.02	10.00	No
		52	5260	8.48	10.00	No
		60	5300	8.49	10.00	No
		64	5320	8.37	10.00	No
		100	5500	9.00	10.00	No
		116	5580	8.71	10.00	No
		140	5700	8.86	10.00	No
		149	5745	7.38	9.00	No
		157	5785	7.66	9.00	No
		165	5825	7.61	9.00	No
	802.11ax(HE40)	38	5190	8.31	10.00	No

		46	5230	8.41	10.00	No
		54	5270	8.28	10.00	No
		62	5310	8.55	10.00	No
		102	5510	8.97	10.00	No
		118	5590	9.02	10.00	No
		134	5670	8.79	10.00	No
		151	5755	7.21	9.00	No
		159	5795	7.39	9.00	No
	802.11ax(HE80)	42	5210	8.57	10.00	No
		58	5290	8.73	10.00	No
		106	5530	8.80	10.00	No
		112	5610	8.96	10.00	No
		155	5775	8.23	9.5	No
	802.11ax(HE160)	50	5250	8.53	10.00	No
		114	5570	8.46	10.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.15 5G WIFI-ANT 7-Table 7

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	11.50	13.00	No
		44	5220	11.59	13.00	Yes
		48	5240	11.56	13.00	No
		52	5260	11.50	13.00	No
		60	5300	11.56	13.00	Yes
		64	5320	11.54	13.00	No
		100	5500	11.77	13.00	No
		116	5580	11.76	13.00	Yes
		140	5700	11.70	13.00	No
		149	5745	10.46	12.00	No
		157	5785	10.52	12.00	Yes
		165	5825	10.49	12.00	No
	802.11n(HT20)	36	5180	11.09	13.00	No
		44	5220	11.33	13.00	No
		48	5240	11.23	13.00	No
		52	5260	11.17	13.00	No
		60	5300	11.54	13.00	No
		64	5320	11.05	13.00	No
		100	5500	11.50	13.00	No
		116	5580	11.60	13.00	No
		140	5700	11.38	13.00	No
		149	5745	10.16	12.00	No
		157	5785	10.05	12.00	No
		165	5825	10.19	12.00	No
	802.11n(HT40)	38	5190	10.10	12.00	No
		46	5230	10.26	12.00	No
		54	5270	10.20	12.00	No
		62	5310	10.31	12.00	No
		102	5510	10.98	12.00	No
		118	5590	11.00	12.00	No
		134	5670	10.67	12.00	No
		151	5755	9.22	11.00	No
	802.11ac(VHT20)	159	5795	9.20	11.00	No
		36	5180	8.45	10.00	No
		44	5220	8.23	10.00	No

		48	5240	8.33	10.00	No
		52	5260	8.22	10.00	No
		60	5300	8.30	10.00	No
		64	5320	8.12	10.00	No
		100	5500	9.06	10.00	No
		116	5580	9.04	10.00	No
		140	5700	8.20	10.00	No
		149	5745	7.38	9.00	No
		157	5785	7.53	9.00	No
		165	5825	7.76	9.00	No
	802.11ac(VHT40)	38	5190	8.15	10.00	No
		46	5230	8.29	10.00	No
		54	5270	8.29	10.00	No
		62	5310	8.06	10.00	No
		102	5510	8.84	10.00	No
		118	5590	8.85	10.00	No
		134	5670	9.02	10.00	No
		151	5755	7.45	9.00	No
		159	5795	7.32	9.00	No
	802.11ac(VHT80)	42	5210	8.35	10.00	No
		58	5290	8.31	10.00	No
		106	5530	8.96	10.00	No
		112	5610	8.33	10.00	No
		155	5775	7.23	9.00	No
	802.11ac(VHT160)	50	5250	8.31	10.00	No
		114	5570	9.01	10.00	No
	802.11ax(HE20)	36	5180	7.36	9.00	No
		44	5220	7.01	9.00	No
		48	5240	6.96	9.00	No
		52	5260	7.58	9.00	No
		60	5300	7.21	9.00	No
		64	5320	7.32	9.00	No
		100	5500	7.88	9.00	No
		116	5580	7.57	9.00	No
		140	5700	7.69	9.00	No
		149	5745	6.36	8.00	No
		157	5785	6.62	8.00	No
		165	5825	6.36	8.00	No
	802.11ax(HE40)	38	5190	7.19	9.00	No

		46	5230	7.17	9.00	No
		54	5270	7.39	9.00	No
		62	5310	7.27	9.00	No
		102	5510	7.69	9.00	No
		118	5590	7.96	9.00	No
		134	5670	7.61	9.00	No
		151	5755	6.02	8.00	No
		159	5795	6.38	8.00	No
	802.11ax(HE80)	42	5210	7.46	9.00	No
		58	5290	7.78	9.00	No
		106	5530	7.72	9.00	No
		112	5610	7.92	9.00	No
		155	5775	7.13	8.5	No
	802.11ax(HE160)	50	5250	7.42	9.00	No
		114	5570	7.38	9.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.16 5G WIFI-MIMO-Full Power& Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	N/A		
		44	5220			
		48	5240			
		52	5260			
		60	5300			
		64	5320			
		100	5500			
		116	5580			
		140	5700			
		149	5745			
		157	5785			
		165	5825			
	802.11n(HT20)	36	5180	16.07	17.00	No
		44	5220	16.00	17.00	No
		48	5240	16.11	17.00	No
		52	5260	16.06	17.00	Yes
		60	5300	15.99	17.00	No
		64	5320	15.97	17.00	No
		100	5500	16.09	17.00	Yes
		116	5580	16.05	17.00	No
		140	5700	16.03	17.00	No
		149	5745	14.14	15.00	No
		157	5785	14.02	15.00	No
		165	5825	14.24	15.00	Yes
	802.11n(HT40)	38	5190	15.10	16.00	No
		46	5230	14.99	16.00	No
		54	5270	15.09	16.00	No
		62	5310	14.97	16.00	No
		102	5510	15.30	16.50	No
		118	5590	15.20	16.50	No
		134	5670	15.21	16.50	No
		151	5755	13.37	14.50	No
		159	5795	13.47	14.50	No
	802.11ac(VHT20)	36	5180	13.07	14.50	No
		44	5220	12.96	14.50	No

		48	5240	13.01	14.50	No
		52	5260	12.98	14.50	No
		60	5300	12.98	14.50	No
		64	5320	13.08	14.50	No
		100	5500	13.21	14.50	No
		116	5580	13.25	14.50	No
		140	5700	12.02	13.50	No
		149	5745	11.46	13.00	No
		157	5785	11.65	13.00	No
		165	5825	11.68	13.00	No
	802.11ac(VHT40)	38	5190	13.02	14.50	No
		46	5230	13.09	14.50	No
		54	5270	12.87	14.50	No
		62	5310	12.88	14.50	No
		102	5510	12.78	14.50	No
		118	5590	13.31	15.00	No
		134	5670	12.41	14.00	No
		151	5755	11.48	13.00	No
		159	5795	11.56	13.00	No
	802.11ac(VHT80)	42	5210	12.98	14.50	No
		58	5290	12.89	14.50	No
		106	5530	13.17	14.50	No
		112	5610	12.54	14.00	No
		155	5775	11.47	13.00	No
	802.11ac (VHT160)	50	5250	12.95	14.00	No
		114	5570	13.21	14.00	No
	802.11ax(HE20)	36	5180	12.10	13.00	No
		44	5220	11.95	13.00	No
		48	5240	11.94	13.00	No
		52	5260	11.99	13.00	No
		60	5300	12.02	13.00	No
		64	5320	11.98	13.00	No
		100	5500	12.28	13.00	No
		116	5580	11.97	13.00	No
		140	5700	11.20	13.00	No
		149	5745	10.44	12.00	No
		157	5785	10.75	12.00	No
		165	5825	10.85	12.00	No
	802.11ax(HE40)	38	5190	12.01	13.00	No

		46	5230	12.00	13.00	No
		54	5270	12.09	13.00	No
		62	5310	11.97	13.00	No
		102	5510	12.34	13.00	No
		118	5590	11.71	13.00	No
		134	5670	11.22	12.00	No
		151	5755	10.18	11.00	No
		159	5795	10.36	11.00	No
	802.11ax(HE80)	42	5210	11.99	13.00	No
		58	5290	12.02	13.00	No
		106	5530	12.21	13.00	No
		112	5610	11.76	13.00	No
		155	5775	11.13	12.00	No
	802.11ax(HE160)	50	5250	12.05	13.00	No
		114	5570	11.82	13.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.17 5G WIFI-MIMO-Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	N/A		
		44	5220			
		48	5240			
		52	5260			
		60	5300			
		64	5320			
		100	5500			
		116	5580			
		140	5700			
		149	5745			
		157	5785			
		165	5825			
	802.11n(HT20)	36	5180	13.20	14.00	No
		44	5220	13.21	14.00	No
		48	5240	13.38	14.00	No
		52	5260	13.33	14.00	Yes
		60	5300	13.09	14.00	No
		64	5320	13.10	14.00	No
		100	5500	12.98	14.00	No
		116	5580	13.11	14.00	Yes
		140	5700	13.06	14.00	No
		149	5745	11.32	12.00	No
		157	5785	11.21	12.00	No
		165	5825	11.34	12.00	Yes
	802.11n(HT40)	38	5190	12.34	13.00	No
		46	5230	11.99	13.00	No
		54	5270	12.28	13.00	No
		62	5310	12.07	13.00	No
		102	5510	12.32	13.50	No
		118	5590	12.18	13.50	No
		134	5670	12.19	13.50	No
		151	5755	10.61	11.50	No
		159	5795	10.35	11.50	No
	802.11ac(VHT20)	36	5180	10.03	11.50	No
		44	5220	9.91	11.50	No

		48	5240	10.04	11.50	No
		52	5260	10.05	11.50	No
		60	5300	10.12	11.50	No
		64	5320	10.10	11.50	No
		100	5500	10.22	11.50	No
		116	5580	10.49	11.50	No
		140	5700	8.98	10.50	No
		149	5745	8.65	10.00	No
		157	5785	8.83	10.00	No
		165	5825	8.78	10.00	No
	802.11ac(VHT40)	38	5190	10.10	11.50	No
		46	5230	10.25	11.50	No
		54	5270	9.85	11.50	No
		62	5310	10.09	11.50	No
		102	5510	9.91	11.50	No
		118	5590	10.24	12.00	No
		134	5670	9.39	11.00	No
		151	5755	8.48	10.00	No
		159	5795	8.67	10.00	No
	802.11ac(VHT80)	42	5210	10.18	11.50	No
		58	5290	9.83	11.50	No
		106	5530	10.10	11.50	No
		112	5610	9.62	11.00	No
		155	5775	8.54	10.00	No
	802.11ac (VHT160)	50	5250	9.92	11.00	No
		114	5570	10.32	11.00	No
	802.11ax(HE20)	36	5180	9.03	10.00	No
		44	5220	8.95	10.00	No
		48	5240	9.03	10.00	No
		52	5260	9.02	10.00	No
		60	5300	9.27	10.00	No
		64	5320	8.90	10.00	No
		100	5500	9.45	10.00	No
		116	5580	8.99	10.00	No
		140	5700	8.33	10.00	No
		149	5745	7.66	9.00	No
		157	5785	7.75	9.00	No
		165	5825	8.00	9.00	No
	802.11ax(HE40)	38	5190	9.25	10.00	No

		46	5230	9.12	10.00	No
		54	5270	9.03	10.00	No
		62	5310	9.17	10.00	No
		102	5510	9.34	10.00	No
		118	5590	8.63	10.00	No
		134	5670	8.27	9.00	No
		151	5755	7.32	8.00	No
		159	5795	7.62	8.00	No
	802.11ax(HE80)	42	5210	9.16	10.00	No
		58	5290	9.06	10.00	No
		106	5530	9.30	10.00	No
		112	5610	8.91	10.00	No
		155	5775	8.24	9.00	No
	802.11ax(HE160)	50	5250	8.94	10.00	No
		114	5570	8.76	10.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.18 5G WIFI-MIMO-Table 7

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5G WLAN	802.11a	36	5180	N/A		
		44	5220			
		48	5240			
		52	5260			
		60	5300			
		64	5320			
		100	5500			
		116	5580			
		140	5700			
		149	5745			
		157	5785			
		165	5825			
	802.11n(HT20)	36	5180	12.02	13.00	No
		44	5220	12.25	13.00	No
		48	5240	12.27	13.00	Yes
		52	5260	12.29	13.00	Yes
		60	5300	11.97	13.00	No
		64	5320	12.14	13.00	No
		100	5500	12.08	13.00	No
		116	5580	12.10	13.00	Yes
		140	5700	11.98	13.00	No
		149	5745	10.22	11.00	No
		157	5785	10.07	11.00	No
		165	5825	10.28	11.00	Yes
	802.11n(HT40)	38	5190	11.25	12.00	No
		46	5230	10.79	12.00	No
		54	5270	11.45	12.00	No
		62	5310	10.98	12.00	No
		102	5510	11.45	12.50	No
		118	5590	11.33	12.50	No
		134	5670	11.11	12.50	No
		151	5755	9.72	10.50	No
		159	5795	9.24	10.50	No
	802.11ac(VHT20)	36	5180	9.15	10.50	No

		44	5220	8.81	10.50	No
		48	5240	9.19	10.50	No
		52	5260	9.21	10.50	No
		60	5300	9.21	10.50	No
		64	5320	9.09	10.50	No
		100	5500	9.22	10.50	No
		116	5580	9.69	10.50	No
		140	5700	8.12	9.50	No
		149	5745	7.83	9.00	No
		157	5785	7.97	9.00	No
		165	5825	7.64	9.00	No
	802.11ac(VHT40)	38	5190	9.19	10.50	No
		46	5230	9.19	10.50	No
		54	5270	9.05	10.50	No
		62	5310	8.96	10.50	No
		102	5510	9.04	10.50	No
		118	5590	9.32	11.00	No
		134	5670	8.55	10.00	No
		151	5755	7.36	9.00	No
		159	5795	7.54	9.00	No
	802.11ac(VHT80)	42	5210	9.31	10.50	No
		58	5290	8.96	10.50	No
		106	5530	9.06	10.50	No
		112	5610	8.58	10.00	No
		155	5775	7.57	9.00	No
	802.11ac(VHT160)	50	5250	8.93	10.00	No
		114	5570	9.34	10.00	No
	802.11ax(HE20)	36	5180	8.10	9.00	No
		44	5220	7.81	9.00	No
		48	5240	7.89	9.00	No
		52	5260	8.02	9.00	No
		60	5300	8.28	9.00	No
		64	5320	7.75	9.00	No
		100	5500	8.59	9.00	No
		116	5580	8.17	9.00	No
		140	5700	7.32	9.00	No
		149	5745	6.67	8.00	No
		157	5785	6.79	8.00	No
		165	5825	7.18	8.00	No

	802.11ax(HE40)	38	5190	8.30	9.00	No
		46	5230	8.28	9.00	No
		54	5270	7.84	9.00	No
		62	5310	8.15	9.00	No
		102	5510	8.32	9.00	No
		118	5590	7.77	9.00	No
		134	5670	7.13	8.00	No
		151	5755	6.27	7.00	No
		159	5795	6.52	7.00	No
	802.11ax(HE80)	42	5210	8.09	9.00	No
		58	5290	8.04	9.00	No
		106	5530	8.50	9.00	No
		112	5610	7.74	9.00	No
		155	5775	7.08	8.00	No
	802.11ax(HE160)	50	5250	7.88	9.00	No
		114	5570	7.60	9.00	No

Note: 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); otherwise, each band is tested independently for SAR.

8.4.19 6G WIFI-ANT6-Full Power& Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6G WLAN	802.11ax(HE20)	1	5955	10.07	11.00	No
		45	6175	9.97	11.00	No
		93	6415	10.07	11.00	No
		97	6435	10.18	11.00	No
		105	6475	10.06	11.00	No
		113	6515	10.07	11.00	No
		117	6535	10.52	11.00	No
		153	6715	10.23	11.00	No
		181	6855	10.15	11.00	No
		185	6875	10.28	11.00	No
		213	7015	10.05	11.00	No
		229	7095	10.05	11.00	No
		233	7115	10.12	11.00	No
	802.11ax(HE40)	3	5965	12.53	13.00	No
		43	6165	12.35	13.00	No
		91	6405	12.45	13.00	No
		99	6445	12.25	13.00	No
		107	6485	12.44	13.00	No
		115	6525	12.19	13.00	No
		123	6565	12.48	13.00	No
		155	6725	12.34	13.00	No
		179	6845	12.68	13.00	No
		187	6885	12.92	13.00	No
		211	7005	12.51	13.00	No
		227	7085	13.03	13.00	No
	802.11ax(HE80)	7	5985	14.26	14.50	No
		39	6145	14.07	14.50	No
		87	6385	13.72	14.50	No
		103	6465	13.49	14.50	No
		119	6545	13.04	14.50	No
		135	6625	14.41	14.50	No
		151	6705	13.76	14.50	No
		167	6785	14.79	16.00	No
		183	6865	15.72	16.00	No
		199	6945	15.47	16.00	No

	802.11ax(HE160)	215	7025	14.45	14.50	No
		15	6025	14.00	14.50	Yes
		47	6185	13.62	14.50	Yes
		79	6345	13.75	14.50	Yes
		111	6505	12.83	14.50	Yes
		143	6665	14.33	14.50	Yes
		175	6825	15.92	16.00	Yes
		207	6985	14.94	15.00	Yes

Note: 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); otherwise, each band is tested independently for SAR.

8.4.20 6G WIFI-ANT6-Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6G WLAN	802.11ax(HE20)	1	5955	10.24	11.00	No
		45	6175	10.12	11.00	No
		93	6415	10.26	11.00	No
		97	6435	10.15	11.00	No
		105	6475	10.09	11.00	No
		113	6515	10.14	11.00	No
		117	6535	10.42	11.00	No
		153	6715	10.36	11.00	No
		181	6855	10.33	11.00	No
		185	6875	10.11	11.00	No
		213	7015	10.07	11.00	No
		229	7095	10.05	11.00	No
		233	7115	10.01	11.00	No
	802.11ax(HE40)	3	5965	10.25	11.00	No
		43	6165	10.39	11.00	No
		91	6405	10.61	11.00	No
		99	6445	10.38	11.00	No
		107	6485	10.46	11.00	No
		115	6525	10.10	11.00	No
		123	6565	11.38	12.00	No
		155	6725	11.47	12.00	No
		179	6845	11.47	12.00	No
		187	6885	11.30	12.00	No

		211	7005	11.27	12.00	No
		227	7085	11.74	12.00	No
	802.11ax(HE80)	7	5985	11.06	11.50	No
		39	6145	11.08	11.50	No
		87	6385	10.89	11.50	No
		103	6465	10.34	11.50	No
		119	6545	10.07	11.50	No
		135	6625	11.82	12.00	No
		151	6705	11.60	12.00	No
		167	6785	10.58	12.00	No
		183	6865	11.69	12.00	No
		199	6945	11.68	12.00	No
		215	7025	11.69	12.00	No
	802.11ax(HE160)	15	6025	11.11	12.00	Yes
		47	6185	11.37	12.00	Yes
		79	6345	11.35	12.00	Yes
		111	6505	11.23	12.00	Yes
		143	6665	11.03	12.00	Yes
		175	6825	11.96	12.00	Yes
		207	6985	11.97	12.00	Yes

Note: 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); otherwise, each band is tested independently for SAR.

8.4.21 6G WIFI-ANT7-Full Power& Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6G WLAN	802.11ax(HE20)	1	5955	10.32	11.00	No
		45	6175	10.16	11.00	No
		93	6415	10.28	11.00	No
		97	6435	10.11	11.00	No
		105	6475	10.07	11.00	No
		113	6515	10.02	11.00	No
		117	6535	10.18	11.00	No
		153	6715	10.24	11.00	No
		181	6855	10.27	11.00	No
		185	6875	10.12	11.00	No
		213	7015	10.14	11.00	No
		229	7095	9.98	11.00	No
		233	7115	10.01	11.00	No
	802.11ax(HE40)	3	5965	12.58	13.00	No
		43	6165	12.34	13.00	No
		91	6405	12.46	13.00	No
		99	6445	12.33	13.00	No
		107	6485	12.41	13.00	No
		115	6525	12.28	13.00	No
		123	6565	12.24	13.00	No
		155	6725	12.32	13.00	No
		179	6845	12.43	13.00	No
		187	6885	12.44	13.00	No
		211	7005	12.35	13.00	No
		227	7085	12.54	13.00	No
	802.11ax(HE80)	7	5985	13.62	14.50	No
		39	6145	13.78	14.50	No
		87	6385	14.15	14.50	No
		103	6465	13.82	14.50	No
		119	6545	13.41	14.50	No
		135	6625	13.26	14.50	No
		151	6705	14.43	14.50	No
		167	6785	15.71	16.00	No
		183	6865	15.46	16.00	No
		199	6945	15.25	16.00	No

	802.11ax(HE160)	215	7025	13.52	14.50	No
		15	6025	13.84	14.50	Yes
		47	6185	14.12	14.50	Yes
		79	6345	14.54	14.50	Yes
		111	6505	13.76	14.50	Yes
		143	6665	13.52	14.50	Yes
		175	6825	15.86	16.00	Yes
		207	6985	14.84	15.00	Yes

Note: 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); otherwise, each band is tested independently for SAR.

8.4.22 6G WIFI-ANT7-Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6G WLAN	802.11ax(HE20)	1	5955	10.32	11.00	No
		45	6175	10.16	11.00	No
		93	6415	10.28	11.00	No
		97	6435	10.11	11.00	No
		105	6475	10.07	11.00	No
		113	6515	10.02	11.00	No
		117	6535	10.18	11.00	No
		153	6715	10.24	11.00	No
		181	6855	10.27	11.00	No
		185	6875	10.12	11.00	No
		213	7015	10.14	11.00	No
		229	7095	9.98	11.00	No
		233	7115	10.01	11.00	No
	802.11ax(HE40)	3	5965	11.40	12.00	No
		43	6165	11.38	12.00	No
		91	6405	11.66	12.00	No
		99	6445	11.41	12.00	No
		107	6485	11.33	12.00	No
		115	6525	11.26	12.00	No
		123	6565	11.38	12.00	No
		155	6725	11.47	12.00	No
		179	6845	11.47	12.00	No
		187	6885	11.30	12.00	No

		211	7005	11.27	12.00	No
		227	7085	11.74	12.00	No
	802.11ax(HE80)	7	5985	11.25	12.00	No
		39	6145	11.34	12.00	No
		87	6385	11.62	12.00	No
		103	6465	11.52	12.00	No
		119	6545	11.02	12.00	No
		135	6625	10.84	12.00	No
		151	6705	11.81	12.00	No
		167	6785	11.53	12.00	No
		183	6865	11.52	12.00	No
		199	6945	11.11	12.00	No
		215	7025	11.03	12.00	No
	802.11ax(HE160)	15	6025	11.35	12.00	Yes
		47	6185	11.06	12.00	Yes
		79	6345	11.36	12.00	Yes
		111	6505	10.26	12.00	Yes
		143	6665	10.13	12.00	Yes
		175	6825	11.28	12.00	Yes
		207	6985	11.87	12.00	Yes

Note: 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); otherwise, each band is tested independently for SAR.

8.4.23 6G WIFI-MIMO-Full Power& Table 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6G WLAN	802.11ax(HE20)	1	5955	10.24	11.00	No
		45	6175	10.12	11.00	No
		93	6415	10.26	11.00	No
		97	6435	10.15	11.00	No
		105	6475	10.09	11.00	No
		113	6515	10.14	11.00	No
		117	6535	10.42	11.00	No
		153	6715	10.36	11.00	No
		181	6855	10.33	11.00	No
		185	6875	10.11	11.00	No
		213	7015	10.07	11.00	No
		229	7095	10.05	11.00	No
		233	7115	10.02	11.00	No
	802.11ax(HE40)	3	5965	10.42	13.00	No
		43	6165	10.38	13.00	No
		91	6405	10.55	13.00	No
		99	6445	10.35	13.00	No
		107	6485	10.47	13.00	No
		115	6525	10.23	13.00	No
		123	6565	12.44	13.00	No
		155	6725	12.39	13.00	No
		179	6845	12.56	13.00	No
		187	6885	12.91	13.00	No
		211	7005	12.57	13.00	No
		227	7085	12.83	13.00	No
	802.11ax(HE80)	7	5985	14.28	14.50	No
		39	6145	13.97	14.50	No
		87	6385	13.88	14.50	No
		103	6465	13.49	14.50	No
		119	6545	13.16	14.50	No
		135	6625	14.57	16.00	No
		151	6705	13.76	14.50	No
		167	6785	14.66	16.00	No
		183	6865	14.73	16.00	No
		199	6945	14.66	16.00	No

	802.11ax(HE160)	215	7025	14.89	16.00	No
		15	6025	13.97	14.50	Yes
		47	6185	13.46	14.50	Yes
		79	6345	13.83	14.50	Yes
		111	6505	12.79	14.50	Yes
		143	6665	14.37	14.50	Yes
		175	6825	15.11	16.00	Yes
		207	6985	14.77	15.00	Yes

Note: 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); otherwise, each band is tested independently for SAR.

8.4.24 6G WIFI-MIMO-Table 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
6G WLAN	802.11ax(HE20)	1	5955	10.24	11.00	No
		45	6175	10.12	11.00	No
		93	6415	10.26	11.00	No
		97	6435	10.15	11.00	No
		105	6475	10.09	11.00	No
		113	6515	10.14	11.00	No
		117	6535	10.42	11.00	No
		153	6715	10.36	11.00	No
		181	6855	10.33	11.00	No
		185	6875	10.11	11.00	No
		213	7015	10.07	11.00	No
		229	7095	10.05	11.00	No
		233	7115	10.02	11.00	No
	802.11ax(HE40)	3	5965	11.48	12.00	No
		43	6165	11.43	12.00	No
		91	6405	11.51	12.00	No
		99	6445	11.22	12.00	No
		107	6485	11.64	12.00	No
		115	6525	11.20	12.00	No
		123	6565	11.41	12.00	No
		155	6725	11.43	12.00	No
		179	6845	11.38	12.00	No
		187	6885	12.08	12.00	No

		211	7005	11.69	12.00	No
		227	7085	12.00	12.00	No
	802.11ax(HE80)	7	5985	11.64	12.00	No
		39	6145	11.61	12.00	No
		87	6385	11.34	12.00	No
		103	6465	10.93	12.00	No
		119	6545	10.46	12.00	No
		135	6625	11.89	12.00	No
		151	6705	11.40	12.00	No
		167	6785	10.76	12.00	No
		183	6865	11.61	12.00	No
		199	6945	11.56	12.00	No
		215	7025	11.73	12.00	No
	802.11ax(HE160)	15	6025	11.57	12.00	Yes
		47	6185	11.21	12.00	Yes
		79	6345	11.06	12.00	Yes
		111	6505	10.57	12.00	Yes
		143	6665	11.70	12.00	Yes
		175	6825	11.61	12.00	Yes
		207	6985	11.77	12.00	Yes

Note: 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); otherwise, each band is tested independently for SAR.

8.5 Bluetooth

Mode	GFSK			$\pi/4$ -DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	8.61	8.53	7.33	6.83	6.81	6.63
Tune-Up Limit (dBm)	10.00	10.00	9.00	8.00	8.00	8.00
SAR Test Require	YES	YES	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	6.79	6.82	6.58	/	/	/
Tune-Up Limit (dBm)	8.00	8.00	8.00	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	1	19	38
Frequency (MHz)	2402	2440	2480	2404	2440	2478
Average Power (dBm)	4.18	3.72	2.56	4.12	3.58	2.36
Tune-Up Limit (dBm)	5.00	5.00	4.00	5.00	5.00	4.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode.						

8.6 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, and the receiver will work, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), the audio is actively routed through the headset or speaker, and the receiver will not work, which indicating the body exposure conditions will trigger the body exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.

WWAN Reduced power level table

Reduced level	Receiver state	Transmitting	Antenna
		conditions	
Table 2	On (head scenario)	WWAN Use Only	Ant.0
			Ant.1
			Ant.2
			Ant.4
Table 2	On (head scenario)	WWAN + WLAN/BT	Ant.0
			Ant.1
			Ant.2
			Ant.4
Table 2	On (head scenario)	WWAN + WLAN +BT	Ant.0
			Ant.1
			Ant.2
			Ant.4
Table 3	Off (Body scenario)	WWAN Use Only	Ant.0
			Ant.1
			Ant.2
			Ant.4
Table 3	Off (Body scenario)	WWAN +BT	Ant.0
			Ant.1
			Ant.2
			Ant.4
Table 7	Off (Body scenario)	WWAN + WLAN	Ant.0
			Ant.1
			Ant.2
			Ant.4
Table 7	Off (Body scenario)	WWAN + WLAN +BT	Ant.0
			Ant.1
			Ant.2
			Ant.4

Mode	Antenna	WWAN Antenna						
		Full Power	Receiver on			Receiver off		
			Head			Body-worn	Body-worn/Hotspot/Specific	
			Standalone	Simultaneous transmission			Standalone	Simultaneous transmission
				+WLAN	+WLAN+BT	+WLAN		+WLAN+BT
		Off	Table 2	Table 2	Table 2	Table 3	Table 7	Table 7
WCDMA Band2 RMC	Ant.0	24.50	24.50	24.50	24.50	24.50	21.50	21.50
HSDPA Subtest-1	Ant.0	24.50	24.50	24.50	24.50	24.50	21.50	21.50
HSDPA Subtest-2	Ant.0	24.50	24.50	24.50	24.50	24.50	21.50	21.50
HSDPA Subtest-3	Ant.0	24.00	24.00	24.00	24.00	24.00	21.00	21.00
HSDPA Subtest-4	Ant.0	24.00	24.00	24.00	24.00	24.00	21.00	21.00
HSUPA Subtest-1	Ant.0	23.50	23.50	23.50	23.50	23.50	20.50	20.50
HSUPA Subtest-2	Ant.0	21.50	21.50	21.50	21.50	21.50	18.50	18.50
HSUPA Subtest-3	Ant.0	22.50	22.50	22.50	22.50	22.50	19.50	19.50
HSUPA Subtest-4	Ant.0	21.50	21.50	21.50	21.50	21.50	18.50	18.50
HSUPA Subtest-5	Ant.0	23.50	23.50	23.50	23.50	23.50	20.50	20.50
WCDMA Band4 RMC	Ant.0	23.80	23.80	23.80	23.80	17.80	17.80	17.80
HSDPA Subtest-1	Ant.0	23.80	23.80	23.80	23.80	17.80	17.80	17.80
HSDPA Subtest-2	Ant.0	23.80	23.80	23.80	23.80	17.80	17.80	17.80
HSDPA Subtest-3	Ant.0	23.30	23.30	23.30	23.30	17.30	17.30	17.30
HSDPA Subtest-4	Ant.0	23.30	23.30	23.30	23.30	17.30	17.30	17.30
HSUPA Subtest-1	Ant.0	22.80	22.80	22.80	22.80	16.80	16.80	16.80
HSUPA Subtest-2	Ant.0	20.80	20.80	20.80	20.80	14.80	14.80	14.80
HSUPA Subtest-3	Ant.0	21.80	21.80	21.80	21.80	15.80	15.80	15.80
HSUPA Subtest-4	Ant.0	20.80	20.80	20.80	20.80	14.80	14.80	14.80
HSUPA Subtest-5	Ant.0	22.80	22.80	22.80	22.80	16.80	16.80	16.80
WCDMA Band5 RMC	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-1	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-2	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-2	Ant.0	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-3	Ant.0	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-4	Ant.0	21.00	21.00	21.00	21.00	21.00	21.00	21.00
HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band2	Ant.0	24.50	24.50	24.50	24.50	21.50	19.50	19.50
LTE Band4	Ant.0	24.50	24.50	24.50	24.50	15.50	15.50	15.50
LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	Ant.0	24.50	24.50	24.50	24.50	24.50	21.50	21.50

LTE Band12	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band13	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band14	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band17	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band25	Ant.0	24.50	24.50	24.50	24.50	24.50	21.50	21.50
LTE Band30	Ant.0	23.70	23.70	23.70	23.70	20.70	18.20	18.20
LTE Band38	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band41	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band42	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band43	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band48	Ant.1	24.50	24.50	24.50	24.50	22.50	22.00	22.00
LTE Band66	Ant.0	24.50	24.50	24.50	24.50	15.50	14.00	14.00
LTE Band71	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
N2	Ant.0	24.50	24.50	24.50	24.50	21.50	19.50	19.50
N5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
N12	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
N25	Ant.0	24.50	24.50	24.50	24.50	21.50	19.50	19.50
N30	Ant.0	24.50	24.50	24.50	24.50	21.50	19.00	19.00
N38	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
N41	Ant.0	26.00	26.00	26.00	26.00	22.00	19.00	19.00
N41	Ant.2	26.00	26.00	26.00	26.00	26.00	26.00	26.00
N66	Ant.0	24.50	24.50	24.50	24.50	15.50	14.00	14.00
N71	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
N77	Ant.1	26.00	20.00	20.00	20.00	19.00	16.00	16.00
N77	Ant.4	26.00	20.00	20.00	20.00	16.00	13.00	13.00
N78	Ant.1	26.00	20.00	20.00	20.00	19.00	16.00	16.00
N78	Ant.4	26.00	20.00	20.00	20.00	16.00	13.00	13.00

EN-DC Configurations	E-UTRA	NR	Antenna Configurations
	Band	Band	
2A+n5A	LTE Band2	n5	LTE Ant.0
			nr Ant.0
2A+n30A	LTE Band2	n30	LTE Ant.0
			nr Ant.0
2A+n41A	LTE Band2	n41	LTE Ant.0
			nr Ant.0
2A+n66A	LTE Band2	n66	LTE Ant.0
			nr Ant.0
2A+n77A	LTE Band2	n77	LTE Ant.0
			nr Ant.4
5A+n2A	LTE Band5	n2	LTE Ant.0
			nr Ant.0
5A+n30A	LTE Band5	n30	LTE Ant.0
			nr Ant.0
5A+n66A	LTE Band5	n66	LTE Ant.0
			nr Ant.0
5A+n77A	LTE Band5	n77	LTE Ant.0
			nr Ant.4
12A+n2A	LTE Band12	n2	LTE Ant.0
			nr Ant.0
12A+n5A	LTE Band12	n5	LTE Ant.0
			nr Ant.0
12A+n30A	LTE Band12	n30	LTE Ant.0
			nr Ant.0
12A+n66A	LTE Band12	n66	LTE Ant.0
			nr Ant.0
12A+n77A	LTE Band12	n77	LTE Ant.0
			nr Ant.4
13A+n2A	LTE Band13	n2	LTE Ant.0
			nr Ant.0
13A+n66A	LTE Band13	n66	LTE Ant.0
			nr Ant.0
13A+n77A	LTE Band13	n77	LTE Ant.0
			nr Ant.4
14A+n2A	LTE Band14	n2	LTE Ant.0
			nr Ant.0
14A+n30A	LTE Band14	n30	LTE Ant.0
			nr Ant.0
14A+n66A	LTE Band14	n66	LTE Ant.0
			nr Ant.0

14A+n77A	LTE Band14	n77	LTE Ant.0
			nr Ant.4
30A+n2A	LTE Band30	n2	LTE Ant.0
			nr Ant.0
30A+n5A	LTE Band30	n5	LTE Ant.0
			nr Ant.0
30A+n66A	LTE Band30	n66	LTE Ant.0
			nr Ant.0
48A+n5A	LTE Band48	n5	LTE Ant.0
			nr Ant.0
48A+n25A	LTE Band48	n25	LTE Ant.0
			nr Ant.0
48A+n66A	LTE Band48	n66	LTE Ant.0
			nr Ant.0
66A+n2A	LTE Band66	n2	LTE Ant.0
			nr Ant.0
66A+n5A	LTE Band66	n5	LTE Ant.0
			nr Ant.0
66A+n25A	LTE Band66	n25	LTE Ant.0
			nr Ant.0
66A+n30A	LTE Band66	n30	LTE Ant.0
			nr Ant.0
66A+n77A	LTE Band66	n77	LTE Ant.0
			nr Ant.4

NR MIMO Configurations	Antenna Configurations
n77	nr Ant.1
	nr Ant.4
n78	nr Ant.1
	nr Ant.4

WLAN Reduced power level table

Reduced level	Receiver state	Transmitting	Antenna
		conditions	
Table 2	On (head scenario)	WLAN	Ant.6/Ant.7/MIMO
Table 2	On (head scenario)	WLANI+WWAN	Ant.6/Ant.7/MIMO
Table 2	On (head scenario)	WLANI+BT+WWAN	Ant.6/Ant.7/MIMO
Table 3	Off (Body scenario)	WLAN	Ant.6/Ant.7/MIMO
Table 3	Off (Body scenario)	WLANI+BT	Ant.6/Ant.7/MIMO
Level 7	Off (Hotspot scenario)	WLANI+WWAN	Ant.6/Ant.7/MIMO
Level 7	Off (Hotspot scenario)	WLANI+BT+WWAN	Ant.6/Ant.7/MIMO

WLAN Ant.6							
Mode	WIFI Antenna						
	Full Power	Receiver on			Receiver off		
		Head			Body-worn	Body-worn/Hotspot/Specific	
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission	
			WLANI+WWAN	WLANI+BT+WWAN		WLANI+WWAN	WLANI+BT+WWAN
	Off	Table 2	Table 2	Table 2	Table3	Table 7	Table 7
2.4G WIFI 802.11b	21.00	19.00	19.00	19.00	21.00	18.00	18.00
2.4G WIFI 802.11g	20.00	18.00	18.00	18.00	20.00	17.00	17.00
2.4G WIFI 802.11n20	19.50	17.00	17.00	17.00	19.50	16.00	16.00
2.4G WIFI 802.11n40	18.50	16.50	16.50	16.50	18.50	15.50	15.50
2.4G WIFI 802.11ax20	19.50	17.00	17.00	17.00	19.50	16.00	16.00
2.4G WIFI 802.11ax40	18.50	16.50	16.50	16.50	18.50	15.50	15.50
5.2G WIFI 802.11a	18.00	18.00	18.00	18.00	15.00	14.00	14.00
5.2G WIFI 802.11n20	18.00	18.00	18.00	18.00	15.00	14.00	14.00
5.2G WIFI 802.11n40	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.2G WIFI 802.11ac20	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.2G WIFI 802.11ac40	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.2G WIFI 802.11ac80	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.2G WIFI 802.11ac160	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.2G WIFI 802.11ax20	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.2G WIFI 802.11ax40	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.2G WIFI 802.11ax80	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.2G WIFI 802.11ax160	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.3G WIFI 802.11a	18.00	18.00	18.00	18.00	15.00	14.00	14.00
5.3G WIFI 802.11n20	18.00	18.00	18.00	18.00	15.00	14.00	14.00
5.3G WIFI 802.11n40	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.3G WIFI 802.11ac20	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.3G WIFI 802.11ac40	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.3G WIFI 802.11ac80	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.3G WIFI 802.11ax20	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.3G WIFI 802.11ax40	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.3G WIFI 802.11ax80	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.6G WIFI 802.11a	18.00	18.00	18.00	18.00	15.00	14.00	14.00
5.6G WIFI 802.11n20	18.00	18.00	18.00	18.00	15.00	14.00	14.00
5.6G WIFI 802.11n40	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.6G WIFI 802.11ac20	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.6G WIFI 802.11ac40	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.6G WIFI 802.11ac80	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.6G WIFI 802.11ac160	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.6G WIFI 802.11ax20	14.00	14.00	14.00	14.00	11.00	10.00	10.00

5.6G WIFI 802.11ax40	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.6G WIFI 802.11ax80	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.6G WIFI 802.11ax160	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.8G WIFI 802.11a	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.8G WIFI 802.11n20	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.8G WIFI 802.11n40	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.8G WIFI 802.11ac20	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G WIFI 802.11ac40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G LAN 802.11ac80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G WIFI 802.11ax20	12.50	12.50	12.50	12.50	9.50	8.50	8.50
5.8G WIFI 802.11ax40	12.00	12.00	12.00	12.00	9.00	8.00	8.00
5.8G LAN 802.11ax80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
6G WIFI 802.11ax20	11.00	11.00	11.00	11.00	11.00	11.00	11.00
6G WIFI 802.11ax40	13.00	13.00	13.00	13.00	12.00	12.00	12.00
6G WIFI 802.11ax80	16.00	16.00	16.00	16.00	12.00	12.00	12.00
6G WIFI 802.11ax160	16.00	16.00	16.00	16.00	12.00	12.00	12.00

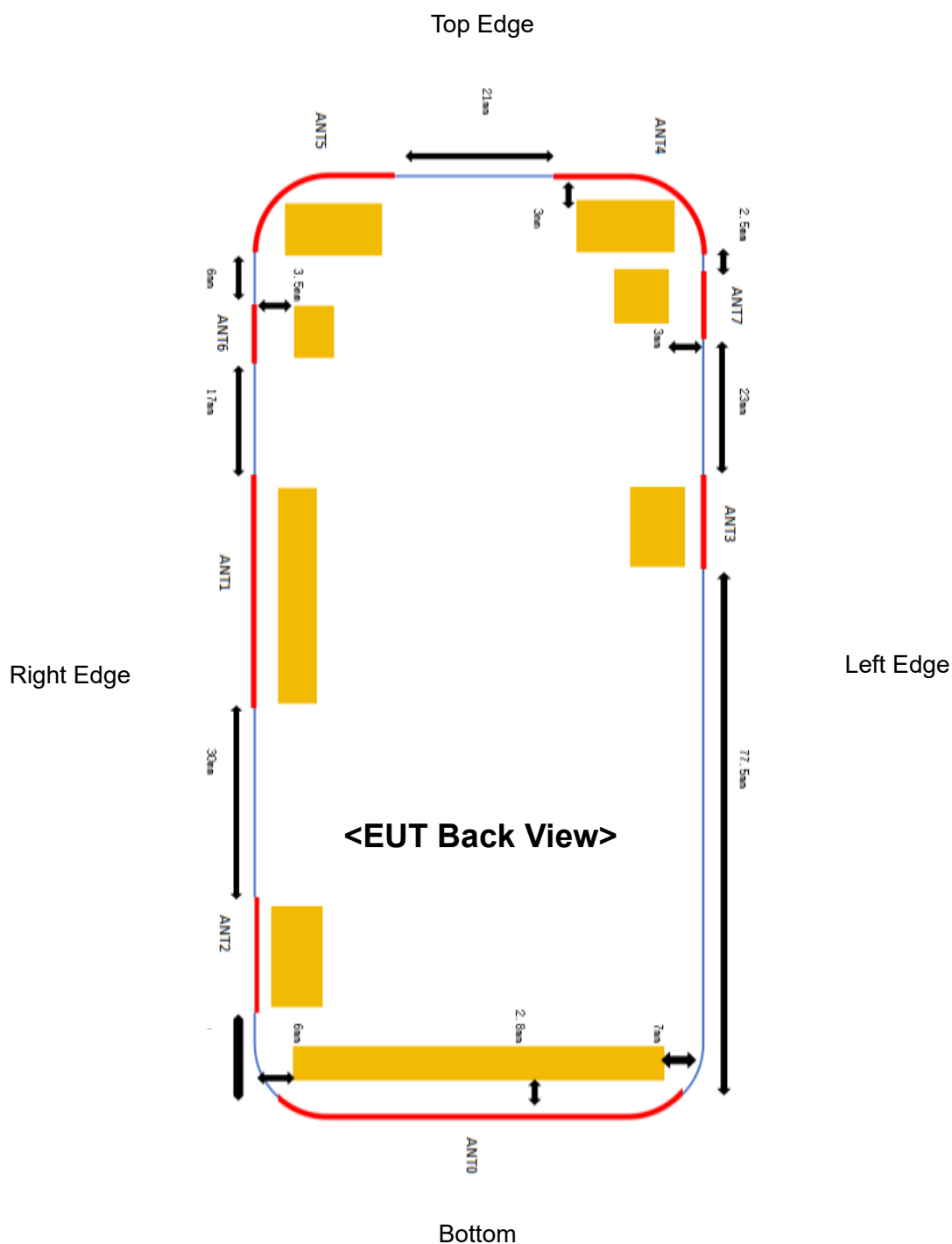
WLAN Ant.7							
Mode	WIFI Antenna						
	Full Power	Receiver on			Receiver off		
		Head			Body-worn	Body-worn/Hotspot/Specific	
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission	
			WLANI+ WWAN	WLANI+BT +WWAN		WLANI+ WWAN	WLANI+BT +WWAN
	Off	Table 2	Table 2	Table 2	Table3	Table 7	Table 7
2.4G WIFI 802.11b	21.00	19.00	19.00	19.00	21.00	18.00	18.00
2.4G WIFI 802.11g	20.00	18.00	18.00	18.00	20.00	17.00	17.00
2.4G WIFI 802.11n20	19.50	17.00	17.00	17.00	19.50	16.00	16.00
2.4G WIFI 802.11n40	18.50	16.50	16.50	16.50	18.50	15.50	15.50
2.4G WIFI 802.11ax20	19.50	17.00	17.00	17.00	19.50	16.00	16.00
2.4G WIFI 802.11ax40	18.50	16.50	16.50	16.50	18.50	15.50	15.50
5.2G WIFI 802.11a	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.2G WIFI 802.11n20	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.2G WIFI 802.11n40	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.2G WIFI 802.11ac20	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.2G WIFI 802.11ac40	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.2G WIFI 802.11ac80	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.2G WIFI 802.11ac160	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.2G WIFI 802.11ax20	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.2G WIFI 802.11ax40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.2G WIFI 802.11ax80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.2G WIFI 802.11ax160	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.3G WIFI 802.11a	17.00	17.00	17.00	17.00	15.00	13.00	13.00

5.3G WIFI 802.11n20	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.3G WIFI 802.11n40	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.3G WIFI 802.11ac20	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.3G WIFI 802.11ac40	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.3G WIFI 802.11ac80	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.3G WIFI 802.11ax20	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.3G WIFI 802.11ax40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.3G WIFI 802.11ax80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.6G WIFI 802.11a	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.6G WIFI 802.11n20	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.6G WIFI 802.11n40	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.6G WIFI 802.11ac20	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.6G WIFI 802.11ac40	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.6G WIFI 802.11ac80	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.6G WIFI 802.11ac160	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.6G WIFI 802.11ax20	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.6G WIFI 802.11ax40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.6G WIFI 802.11ax80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.6G WIFI 802.11ax160	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G WIFI 802.11a	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.8G WIFI 802.11n20	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.8G WIFI 802.11n40	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.8G WIFI 802.11ac20	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G WIFI 802.11ac40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G LAN 802.11ac80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G WIFI 802.11ax20	12.00	12.00	12.00	12.00	9.00	8.00	8.00
5.8G WIFI 802.11ax40	12.00	12.00	12.00	12.00	9.00	8.00	8.00
5.8G LAN 802.11ax80	12.50	12.50	12.50	12.50	9.50	8.50	8.50
6G WIFI 802.11ax20	11.00	11.00	11.00	11.00	11.00	11.00	11.00
6G WIFI 802.11ax40	13.00	13.00	13.00	13.00	12.00	12.00	12.00
6G WIFI 802.11ax80	16.00	16.00	16.00	16.00	12.00	12.00	12.00
6G WIFI 802.11ax160	16.00	16.00	16.00	16.00	12.00	12.00	12.00

WLAN MIMO							
Mode	WIFI Antenna						
	Full Power	Receiver on			Receiver off		
		Head			Body-worn	Body-worn/Hotspot/Specific	
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission	
			WLANI+ WWAN	WLANI+BT +WWAN		WLANI+ WWAN	WLANI+BT +WWAN
			Table 2	Table 2		Table 3	Table 7
	Off	Table 2	Table 2	Table 2	Table3	Table 7	Table 7
2.4G WIFI 802.11b	/	/	/	/	/	/	/
2.4G WIFI 802.11g	19.50	17.50	17.50	17.50	19.50	16.50	16.50
2.4G WIFI 802.11n20	19.00	17.00	17.00	17.00	19.00	16.00	16.00
2.4G WIFI 802.11n40	19.50	17.50	17.50	17.50	19.50	16.50	16.50
2.4G WIFI 802.11ax20	19.00	17.00	17.00	17.00	19.00	16.00	16.00
2.4G WIFI 802.11ax40	19.50	17.50	17.50	17.50	19.50	16.50	16.50
5.2G WIFI 802.11a	/	/	/	/	/	/	/
5.2G WIFI 802.11n20	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.2G WIFI 802.11n40	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.2G WIFI 802.11ac20	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.2G WIFI 802.11ac40	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.2G WIFI 802.11ac80	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.2G WIFI 802.11ac160	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.2G WIFI 802.11ax20	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.2G WIFI 802.11ax40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.2G WIFI 802.11ax80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.2G WIFI 802.11ax160	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.3G WIFI 802.11a	/	/	/	/	/	/	/
5.3G WIFI 802.11n20	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.3G WIFI 802.11n40	16.00	16.00	16.00	16.00	13.00	12.00	12.00
5.3G WIFI 802.11ac20	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.3G WIFI 802.11ac40	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.3G WIFI 802.11ac80	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.3G WIFI 802.11ax20	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.3G WIFI 802.11ax40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.3G WIFI 802.11ax80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.6G WIFI 802.11a	/	/	/	/	/	/	/
5.6G WIFI 802.11n20	17.00	17.00	17.00	17.00	14.00	13.00	13.00
5.6G WIFI 802.11n40	16.50	16.50	16.50	16.50	13.50	12.50	12.50
5.6G WIFI 802.11ac20	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.6G WIFI 802.11ac40	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.6G WIFI 802.11ac80	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.6G WIFI 802.11ac160	14.00	14.00	14.00	14.00	11.00	10.00	10.00
5.6G WIFI 802.11ax20	13.00	13.00	13.00	13.00	10.00	9.00	9.00

5.6G WIFI 802.11ax40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.6G WIFI 802.11ax80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.6G WIFI 802.11ax160	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G WIFI 802.11a	/	/	/	/	/	/	/
5.8G WIFI 802.11n20	15.00	15.00	15.00	15.00	12.00	11.00	11.00
5.8G WIFI 802.11n40	14.50	14.50	14.50	14.50	11.50	10.50	10.50
5.8G WIFI 802.11ac20	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G WIFI 802.11ac40	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G LAN 802.11ac80	13.00	13.00	13.00	13.00	10.00	9.00	9.00
5.8G WIFI 802.11ax20	12.00	12.00	12.00	12.00	9.00	8.00	8.00
5.8G WIFI 802.11ax40	11.00	11.00	11.00	11.00	8.00	7.00	7.00
5.8G LAN 802.11ax80	12.00	12.00	12.00	12.00	9.00	8.00	8.00
6G WIFI 802.11ax20	11.00	11.00	11.00	11.00	11.00	11.00	11.00
6G WIFI 802.11ax40	13.00	13.00	13.00	13.00	12.00	12.00	12.00
6G WIFI 802.11ax80	16.00	16.00	16.00	16.00	12.00	12.00	12.00
6G WIFI 802.11ax160	16.00	16.00	16.00	16.00	12.00	12.00	12.00

9 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 0	3/4/5G TX Antenna	WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/13/14/17/25/30/38/41/66/71 NR Band 2/5/12/25/30/38/41/66/71
Antenna 1	4G/5G TX Antenna	LTE Band 42/43/48 NR Band 77/78
Antenna 2	5G TX Antenna	NR Band 41
Antenna 4	5G TX Antenna	NR Band 77/78
Antenna 6	WLAN 2.4G TX Antenna WLAN 5G TX Antenna	2.4G WLAN 5G WLAN/6G WLAN
Antenna 7	WLAN 2.4G TX Antenna WLAN 5G TX Antenna Bluetooth TX Antenna	2.4G WLAN 5G WLAN/6G WLAN Bluetooth

Antenna	Front Side(mm)	Back Side(mm)	Left Edge(mm)	Right Edge(mm)	Top Edge(mm)	Bottom Edge(mm)
Ant.0	<25	<25	<25	<25	>25	<25
Ant.1	<25	<25	>25	<25	>25	>25
Ant.2	<25	<25	>25	<25	>25	>25
Ant.4	<25	<25	<25	>25	<25	>25
Ant.6	<25	<25	>25	<25	<25	>25
Ant.7	<25	<25	<25	>25	<25	>25

Note: 1. Per KDB 941225 DO6, When the overall length and width of a device is > 9 cm *5 cm, a test separation distance of 10 mm is required for hotspot mode SAR measurements and hotspot mode SAR is measured for all edges and surfaces of the device with a transmitting antenna located within 25 mm from that surface or edge.

10 TEST RESULT

10.1 WCDMA Band 2

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head												
	table 2	Left cheek	0mm	RMC	9400/1880	-0.09	0.346	24.23	24.50	1.064	0.368	1#	
	table 2	Left tilt			9400/1880	0.02	0.121	24.23	24.50	1.064	0.129		
	table 2	Right cheek			9400/1880	0.00	0.166	24.23	24.50	1.064	0.177		
	table 2	Right tilt			9400/1880	-0.02	0.111	24.23	24.50	1.064	0.118		
	table 2	Left cheek			9262/1852.4	0.00	0.256	24.19	24.50	1.074	0.275		
	table 2	Left cheek			9538/1907.6	0.09	0.270	24.11	24.50	1.094	0.295		
	Body-worn												
	Table 3	Front side	15mm	RMC	9400/1880	-0.09	0.265	24.23	24.50	1.064	0.282		
	Table 3	Back side			9400/1880	0.02	0.564	24.23	24.50	1.064	0.600		
	Table 3	Back side			9262/1852.4	0.18	0.770	24.19	24.50	1.074	0.827	2#	
	Table 3	Back side			9538/1907.6	0.00	0.506	24.11	24.50	1.094	0.554		
	Hotspot												
	table 7	Front side	10mm	RMC	9400/1880	-0.09	0.261	21.22	21.50	1.067	0.278		
	table 7	Back side			9400/1880	-0.02	0.511	21.22	21.50	1.067	0.545		
	table 7	Left side			9400/1880	-0.09	0.178	21.22	21.50	1.067	0.190		
	table 7	Right side			9400/1880	0.18	0.083	21.22	21.50	1.067	0.089		
	table 7	Bottom side			9400/1880	-0.02	0.574	21.22	21.50	1.067	0.612		
	table 7	Bottom side			9262/1852.4	-0.09	0.702	21.17	21.50	1.079	0.757	3#	
	table 7	Bottom side			9538/1907.6	0.09	0.487	21.06	21.50	1.107	0.539		
	Note: Refer to ANNEX C for the detailed test data for each test configuration.												

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific											
	Table 3	Bottom side	0mm	QPSK	9400/1880	-0.06	1.570	24.23	24.50	1.064	1.671	
	Table 3	Bottom side			9262/1852.4	-0.14	1.860	24.19	24.50	1.074	1.998	4#
	Table 3	Bottom side			9538/1907.6	-0.18	1.420	24.11	24.50	1.094	1.553	

10.2 WCDMA Band 4

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head												
	table 2	Left cheek	0mm	RMC	1412/1732.4	-0.09	0.166	23.54	23.80	1.062	0.176		
	table 2	Left tilt			1412/1732.4	0.04	0.076	23.54	23.80	1.062	0.081		
	table 2	Right cheek			1412/1732.4	0.09	0.124	23.54	23.80	1.062	0.132		
	table 2	Right tilt			1412/1732.4	-0.02	0.071	23.54	23.80	1.062	0.075		
	table 2	Left cheek			1312/1712.4	-0.09	0.141	23.33	23.80	1.114	0.157		
	table 2	Left cheek			1513/1752.6	0.09	0.173	23.38	23.80	1.102	0.191	5#	
	Body-Worn												
	Table 3	Front side	15mm	RMC	1412/1732.4	-0.09	0.056	17.48	17.80	1.076	0.060		
	Table 3	Back side			1412/1732.4	-0.02	0.662	17.48	17.80	1.076	0.713		
	Table 3	Back side			1312/1712.4	0.00	0.693	17.39	17.80	1.099	0.762	6#	
	Table 3	Back side			1513/1752.6	0.18	0.567	17.27	17.80	1.130	0.641		
	Hotspot												
	table 7	Front side	10mm	RMC	1412/1732.4	-0.09	0.094	17.48	17.80	1.076	0.101		
	table 7	Back side			1412/1732.4	-0.02	0.759	17.48	17.80	1.076	0.817		
	table 7	Left side			1412/1732.4	0.00	0.010	17.48	17.80	1.076	0.011		
	table 7	Right side			1412/1732.4	0.10	0.020	17.48	17.80	1.076	0.022		
	table 7	Bottom side			1412/1732.4	0.18	0.691	17.48	17.80	1.076	0.744		
	table 7	Back side			1312/1712.4	-0.02	0.771	17.39	17.80	1.099	0.847	7#	
	table 7	Back side			1513/1752.6	0.03	0.661	17.27	17.80	1.130	0.747		
	Note: Refer to ANNEX C for the detailed test data for each test configuration.												

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific											
	Table 3	Back side	0mm	QPSK	1412/1732.4	0.14	1.510	17.48	17.80	1.076	1.625	
	Table 3	Bottom side			1412/1732.4	0.13	1.380	17.48	17.80	1.076	1.486	
	Table 3	Back side			1312/1712.4	-0.13	1.560	17.39	17.80	1.099	1.714	8#
	Table 3	Back side			1513/1752.6	0.15	1.410	17.27	17.80	1.130	1.593	

10.3WCDMA Band 5

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head												
	table 2	Left cheek	0mm	RMC	4182/836.4	0.00	0.182	23.83	24.00	1.040	0.189		
	table 2	Left tilt			4182/836.4	-0.02	0.122	23.83	24.00	1.040	0.127		
	table 2	Right cheek			4182/836.4	0.09	0.171	23.83	24.00	1.040	0.178		
	table 2	Right tilt			4182/836.4	0.04	0.126	23.83	24.00	1.040	0.131		
	table 2	Left cheek			4132/826.4	-0.03	0.197	23.81	24.00	1.045	0.206	9#	
	table 2	Left cheek			4233/846.6	0.08	0.172	23.78	24.00	1.052	0.181		
	Body-Worn												
	Table 3	Front side	15mm	RMC	4182/836.4	0.00	0.103	23.83	24.00	1.040	0.107		
	Table 3	Back side			4182/836.4	0.04	0.191	23.83	24.00	1.040	0.199		
	Table 3	Back side			4132/826.4	0.03	0.246	23.81	24.00	1.045	0.257	10#	
	Table 3	Back side			4233/846.6	-0.04	0.157	23.78	24.00	1.052	0.165		
	Hotspot												
	table 7	Front side	10mm	RMC	4182/836.4	0.04	0.118	23.83	24.00	1.040	0.123		
	table 7	Back side			4182/836.4	-0.01	0.277	23.83	24.00	1.040	0.288		
	table 7	Left side			4182/836.4	0.01	0.152	23.83	24.00	1.040	0.158		
	table 7	Right side			4182/836.4	-0.10	0.150	23.83	24.00	1.040	0.156		
	table 7	Bottom side			4182/836.4	-0.10	0.133	23.83	24.00	1.040	0.138		
	table 7	Back side			4132/826.4	0.08	0.271	23.81	24.00	1.045	0.283		
	table 7	Back side			4233/846.6	-0.02	0.289	23.78	24.00	1.052	0.304	11#	
	Note: Refer to ANNEX C for the detailed test data for each test configuration.												

10.4LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head													
	table 2	Left cheek	0mm	QPSK	18900/1880	1	0	0.10	0.259	23.89	24.50	1.151	0.298	
	table 2	Left tilt			18900/1880	1	0	0.03	0.103	23.89	24.50	1.151	0.119	
	table 2	Right cheek			18900/1880	1	0	0.05	0.175	23.89	24.50	1.151	0.201	
	table 2	Right tilt			18900/1880	1	0	-0.05	0.098	23.89	24.50	1.151	0.113	
	table 2	Left cheek			18700/1860	1	0	-0.08	0.258	23.78	24.50	1.180	0.305	
	table 2	Left cheek			19100/1900	1	0	0.01	0.288	23.75	24.50	1.189	0.342	12#
	table 2	Left cheek	0mm	QPSK	18900/1880	50	0	-0.06	0.249	22.91	23.50	1.146	0.285	
	table 2	Left tilt			18900/1880	50	0	0.08	0.093	22.91	23.50	1.146	0.107	
	table 2	Right cheek			18900/1880	50	0	-0.10	0.165	22.91	23.50	1.146	0.189	
	table 2	Right tilt			18900/1880	50	0	-0.01	0.088	22.91	23.50	1.146	0.101	
	Body-worn													
	Table 3	Front side	15mm	QPSK	18900/1880	1	0	-0.02	0.122	20.94	21.50	1.138	0.139	
	Table 3	Back side			18900/1880	1	0	0.08	0.201	20.94	21.50	1.138	0.229	
	Table 3	Back side			18700/1860	1	0	-0.08	0.197	20.74	21.50	1.191	0.235	13#
	Table 3	Back side			19100/1900	1	0	0.05	0.188	20.71	21.50	1.199	0.226	
	Table 3	Front side	15mm	QPSK	18900/1880	50	0	-0.10	0.099	20.83	21.50	1.167	0.116	
	Table 3	Back side			18900/1880	50	0	-0.09	0.147	20.83	21.50	1.167	0.172	
	Hotspot													
	table 7	Front side	10mm	QPSK	18900/1880	1	0	0.06	0.202	18.98	19.50	1.127	0.228	
	table 7	Back side			18900/1880	1	0	-0.02	0.260	18.98	19.50	1.127	0.293	
	table 7	Left side			18900/1880	1	0	-0.05	0.125	18.98	19.50	1.127	0.141	
	table 7	Right side			18900/1880	1	0	-0.01	0.070	18.98	19.50	1.127	0.079	
	table 7	Bottom side			18900/1880	1	0	0.09	0.279	18.98	19.50	1.127	0.314	
	table 7	Bottom side			18700/1860	1	0	0.03	0.280	18.78	19.50	1.180	0.330	14#
	table 7	Bottom side			19100/1900	1	0	-0.03	0.210	18.75	19.50	1.189	0.250	
	table 7	Front side	10mm	QPSK	18900/1880	50	0	0.02	0.168	18.91	19.50	1.146	0.192	
	table 7	Back side			18900/1880	50	0	-0.05	0.220	18.91	19.50	1.146	0.252	
	table 7	Left side			18900/1880	50	0	0.05	0.117	18.91	19.50	1.146	0.134	
	table 7	Right side			18900/1880	50	0	0.04	0.063	18.91	19.50	1.146	0.072	
	table 7	Bottom side			18900/1880	50	0	-0.06	0.280	18.91	19.50	1.146	0.321	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.5LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head													
	table 2	Left cheek	0mm	QPSK	20175/1732.5	1	0	-0.10	0.127	23.44	24.50	1.276	0.162	
	table 2	Left tilt			20175/1732.5	1	0	-0.01	0.055	23.44	24.50	1.276	0.070	
	table 2	Right cheek			20175/1732.5	1	0	0.05	0.095	23.44	24.50	1.276	0.121	
	table 2	Right tilt			20175/1732.5	1	0	-0.05	0.071	23.44	24.50	1.276	0.091	
	table 2	Left cheek			20050/1720	1	0	-0.08	0.106	23.40	24.50	1.288	0.137	
	table 2	Left cheek			20300/1745	1	0	0.04	0.128	23.43	24.50	1.279	0.164	15#
	table 2	Left cheek	0mm	QPSK	20175/1732.5	50	0	0.08	0.101	22.47	23.50	1.268	0.128	
	table 2	Left tilt			20175/1732.5	50	0	-0.10	0.044	22.47	23.50	1.268	0.055	
	table 2	Right cheek			20175/1732.5	50	0	0.07	0.075	22.47	23.50	1.268	0.096	
	table 2	Right tilt			20175/1732.5	50	0	-0.06	0.056	22.47	23.50	1.268	0.071	
	Body-worn													
	Table 3	Front side	15mm	QPSK	20175/1732.5	1	0	0.00	0.011	14.48	15.50	1.265	0.014	
	Table 3	Back side			20175/1732.5	1	0	-0.02	0.199	14.48	15.50	1.265	0.252	
	Table 3	Back side			20050/1720	1	0	-0.09	0.209	14.34	15.50	1.306	0.273	16#
	Table 3	Back side			20300/1745	1	0	0.07	0.169	14.32	15.50	1.312	0.222	
	Table 3	Front side	15mm	QPSK	20175/1732.5	50	0	0.00	0.009	14.41	15.50	1.285	0.012	
	Table 3	Back side			20175/1732.5	50	0	-0.06	0.158	14.41	15.50	1.285	0.203	
	Hotspot													
	table 7	Front side	10mm	QPSK	20175/1732.5	1	0	0.00	0.016	14.48	15.50	1.265	0.020	
	table 7	Back side			20175/1732.5	1	0	0.06	0.328	14.48	15.50	1.265	0.415	
	table 7	Left side			20175/1732.5	1	0	0.00	0.010	14.48	15.50	1.265	0.013	
	table 7	Right side			20175/1732.5	1	0	0.00	0.007	14.48	15.50	1.265	0.009	
	table 7	Bottom side			20175/1732.5	1	0	0.05	0.271	14.48	15.50	1.265	0.343	
	table 7	Back side			20050/1720	1	0	0.03	0.354	14.34	15.50	1.306	0.462	17#
	table 7	Back side			20300/1745	1	0	0.09	0.241	14.32	15.50	1.312	0.316	
	table 7	Front side	10mm	QPSK	20175/1732.5	50	0	0.00	0.015	14.41	15.50	1.285	0.019	
	table 7	Back side			20175/1732.5	50	0	0.02	0.261	14.41	15.50	1.285	0.335	
	table 7	Left side			20175/1732.5	50	0	0.00	0.008	14.41	15.50	1.285	0.010	
	table 7	Right side			20175/1732.5	50	0	0.00	0.005	14.41	15.50	1.285	0.006	
	table 7	Bottom side			20175/1732.5	50	0	0.04	0.215	14.41	15.50	1.285	0.277	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific													
	Table 3	Back side	0mm	QPSK	20175/1732.5	1	0	0.11	0.665	14.48	15.50	1.265	0.841	
	Table 3	Bottom side			20175/1732.5	1	0	0.08	0.548	14.48	15.50	1.265	0.693	
	Table 3	Back side			20050/1720	1	0	0.05	0.716	14.34	15.50	1.306	0.935	18#
	Table 3	Back side			20300/1745	1	0	-0.02	0.570	14.32	15.50	1.312	0.748	

10.6LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	20525/836.5	1	0	-0.03	0.187	23.76	24.50	1.186	0.222		
	table 2	Left tilt			20525/836.5	1	0	-0.08	0.110	23.76	24.50	1.186	0.130		
	table 2	Right cheek			20525/836.5	1	0	0.01	0.162	23.76	24.50	1.186	0.192		
	table 2	Right tilt			20525/836.5	1	0	-0.04	0.111	23.76	24.50	1.186	0.132		
	table 2	Left cheek			20450/829	1	0	0.05	0.184	23.63	24.50	1.222	0.225	19#	
	table 2	Left cheek			20600/844	1	0	-0.04	0.180	23.66	24.50	1.213	0.218		
	table 2	Left cheek	0mm	QPSK	20525/836.5	25	0	0.03	0.149	22.74	23.50	1.191	0.177		
	table 2	Left tilt			20525/836.5	25	0	0.09	0.087	22.74	23.50	1.191	0.104		
	table 2	Right cheek			20525/836.5	25	0	0.08	0.129	22.74	23.50	1.191	0.153		
	table 2	Right tilt			20525/836.5	25	0	-0.08	0.088	22.74	23.50	1.191	0.105		
	Body-worn														
	Table 3	Front side	15mm	QPSK	20525/836.5	1	0	-0.10	0.115	23.76	24.50	1.186	0.136		
	Table 3	Back side			20525/836.5	1	0	0.01	0.190	23.76	24.50	1.186	0.225		
	Table 3	Back side			20450/829	1	0	0.04	0.206	23.63	24.50	1.222	0.252	20#	
	Table 3	Back side			20600/844	1	0	0.03	0.169	23.66	24.50	1.213	0.205		
	Table 3	Front side	15mm	QPSK	20525/836.5	25	0	-0.03	0.091	22.74	23.50	1.191	0.109		
	Table 3	Back side			20525/836.5	25	0	-0.01	0.151	22.74	23.50	1.191	0.180		
	Hotspot														
	table 7	Front side	10mm	QPSK	20525/836.5	1	0	-0.06	0.116	23.76	24.50	1.186	0.138		
	table 7	Back side			20525/836.5	1	0	0.05	0.238	23.76	24.50	1.186	0.282		
	table 7	Left side			20525/836.5	1	0	0.06	0.146	23.76	24.50	1.186	0.173		
	table 7	Right side			20525/836.5	1	0	-0.01	0.142	23.76	24.50	1.186	0.168		
	table 7	Bottom side			20525/836.5	1	0	-0.07	0.114	23.76	24.50	1.186	0.135		
	table 7	Back side			20450/829	1	0	0.07	0.271	23.63	24.50	1.222	0.331	21#	
	table 7	Back side			20600/844	1	0	0.08	0.238	23.66	24.50	1.213	0.289		
	table 7	Front side	10mm	QPSK	20525/836.5	25	0	-0.08	0.092	22.74	23.50	1.191	0.110		
	table 7	Back side			20525/836.5	25	0	-0.04	0.189	22.74	23.50	1.191	0.225		
	table 7	Left side			20525/836.5	25	0	-0.03	0.116	22.74	23.50	1.191	0.138		
	table 7	Right side			20525/836.5	25	0	0.07	0.113	22.74	23.50	1.191	0.134		
	table 7	Bottom side			20525/836.5	25	0	0.01	0.091	22.74	23.50	1.191	0.108		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	21100/2535	1	0	-0.04	0.080	24.39	24.50	1.026	0.082		
	table 2	Left tilt			21100/2535	1	0	-0.05	0.056	24.39	24.50	1.026	0.057		
	table 2	Right cheek			21100/2535	1	0	-0.03	0.073	24.39	24.50	1.026	0.075		
	table 2	Right tilt			21100/2535	1	0	-0.07	0.036	24.39	24.50	1.026	0.037		
	table 2	Left cheek			20850/2510	1	0	0.02	0.081	24.14	24.50	1.086	0.088		
	table 2	Left cheek			21350/2560	1	0	-0.06	0.084	24.25	24.50	1.059	0.089	22#	
	table 2	Left cheek	0mm	QPSK	21100/2535	50	0	-0.03	0.081	23.28	23.50	1.052	0.085		
	table 2	Left tilt			21100/2535	50	0	0.05	0.046	23.28	23.50	1.052	0.048		
	table 2	Right cheek			21100/2535	50	0	0.09	0.083	23.28	23.50	1.052	0.087		
	table 2	Right tilt			21100/2535	50	0	0.04	0.020	23.28	23.50	1.052	0.021		
	Body-worn														
	Table 3	Front side	15mm	QPSK	21100/2535	1	0	0.07	0.098	24.39	24.50	1.026	0.101		
	Table 3	Back side			21100/2535	1	0	-0.03	0.454	24.39	24.50	1.026	0.466		
	Table 3	Back side			20850/2510	1	0	-0.08	0.469	24.14	24.50	1.086	0.510	23#	
	Table 3	Back side			21350/2560	1	0	0.01	0.414	24.25	24.50	1.059	0.439		
	Table 3	Front side	15mm	QPSK	21100/2535	50	0	-0.03	0.079	23.28	23.50	1.052	0.083		
	Table 3	Back side			21100/2535	50	0	-0.04	0.389	23.28	23.50	1.052	0.409		
	Hotspot														
	table 7	Front side	10mm	QPSK	21100/2535	1	0	-0.02	0.070	21.39	21.50	1.026	0.072		
	table 7	Back side			21100/2535	1	0	-0.10	0.448	21.39	21.50	1.026	0.459		
	table 7	Left side			21100/2535	1	0	-0.07	0.040	21.39	21.50	1.026	0.041		
	table 7	Right side			21100/2535	1	0	-0.04	0.053	21.39	21.50	1.026	0.054		
	table 7	Bottom side			21100/2535	1	0	-0.01	0.241	21.39	21.50	1.026	0.247		
	table 7	Back side			20850/2510	1	0	0.09	0.558	21.10	21.50	1.096	0.612	24#	
	table 7	Back side			21350/2560	1	0	0.10	0.386	21.28	21.50	1.052	0.406		
	table 7	Front side	10mm	QPSK	21100/2535	50	0	0.06	0.067	21.28	21.50	1.052	0.070		
	table 7	Back side			21100/2535	50	0	0.01	0.427	21.28	21.50	1.052	0.449		
	table 7	Left side			21100/2535	50	0	0.04	0.041	21.28	21.50	1.052	0.043		
	table 7	Right side			21100/2535	50	0	0.08	0.064	21.28	21.50	1.052	0.067		
	table 7	Bottom side			21100/2535	50	0	0.09	0.237	21.28	21.50	1.052	0.249		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific													
	table 3	Back side	0mm	QPSK	21100/2535	1	0	0.05	1.150	24.39	24.50	1.026	1.179	
	table 3	Back side			20850/2510	1	0	0.11	1.210	24.14	24.50	1.086	1.315	25#
	table 3	Back side			21350/2560	1	0	-0.12	1.040	24.25	24.50	1.059	1.102	

10.8LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	23095/707.5	1	49	0.08	0.111	23.81	24.50	1.172	0.130		
	table 2	Left tilt			23095/707.5	1	49	-0.04	0.073	23.81	24.50	1.172	0.086		
	table 2	Right cheek			23095/707.5	1	49	0.09	0.105	23.81	24.50	1.172	0.123		
	table 2	Right tilt			23095/707.5	1	49	-0.09	0.069	23.81	24.50	1.172	0.081		
	table 2	Left cheek			23060/704	1	49	0.05	0.133	23.70	24.50	1.202	0.160	26#	
	table 2	Left cheek			23130/711	1	49	-0.08	0.106	23.63	24.50	1.222	0.130		
	table 2	Left cheek	0mm	QPSK	23095/707.5	25	0	-0.11	0.088	22.90	23.50	1.148	0.101		
	table 2	Left tilt			23095/707.5	25	0	0.02	0.058	22.90	23.50	1.148	0.067		
	table 2	Right cheek			23095/707.5	25	0	0.07	0.083	22.90	23.50	1.148	0.096		
	table 2	Right tilt			23095/707.5	25	0	-0.03	0.055	22.90	23.50	1.148	0.063		
	Body-worn														
	Table 3	Front side	15mm	QPSK	23095/707.5	1	49	0.07	0.105	23.81	24.50	1.172	0.123		
	Table 3	Back side			23095/707.5	1	49	0.06	0.215	23.81	24.50	1.172	0.252		
	Table 3	Back side			23060/704	1	49	0.08	0.227	23.70	24.50	1.202	0.273	27#	
	Table 3	Back side			23130/711	1	49	-0.09	0.205	23.63	24.50	1.222	0.250		
	Table 3	Front side	15mm	QPSK	23095/707.5	25	0	-0.08	0.083	22.90	23.50	1.148	0.096		
	Table 3	Back side			23095/707.5	25	0	0.01	0.171	22.90	23.50	1.148	0.196		
	Hotspot														
	table 7	Front side	10mm	QPSK	23095/707.5	1	49	0.03	0.122	23.81	24.50	1.172	0.143		
	table 7	Back side			23095/707.5	1	49	0.09	0.247	23.81	24.50	1.172	0.290		
	table 7	Left side			23095/707.5	1	49	-0.07	0.159	23.81	24.50	1.172	0.186		
	table 7	Right side			23095/707.5	1	49	0.08	0.180	23.81	24.50	1.172	0.211		
	table 7	Bottom side			23095/707.5	1	49	0.05	0.057	23.81	24.50	1.172	0.067		
	table 7	Back side			23060/704	1	49	-0.02	0.276	23.70	24.50	1.202	0.332	28#	
	table 7	Back side			23130/711	1	49	0.06	0.237	23.63	24.50	1.222	0.290		
	table 7	Front side	10mm	QPSK	23095/707.5	25	0	0.06	0.097	22.90	23.50	1.148	0.111		
	table 7	Back side			23095/707.5	25	0	-0.03	0.196	22.90	23.50	1.148	0.225		
	table 7	Left side			23095/707.5	25	0	-0.06	0.126	22.90	23.50	1.148	0.145		
	table 7	Right side			23095/707.5	25	0	-0.03	0.143	22.90	23.50	1.148	0.164		
	table 7	Bottom side			23095/707.5	25	0	0.03	0.045	22.90	23.50	1.148	0.052		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	23230/782	1	0	0.03	0.143	23.97	24.50	1.130	0.162		
	table 2	Left tilt			23230/782	1	0	0.09	0.104	23.97	24.50	1.130	0.117		
	table 2	Right cheek			23230/782	1	0	0.03	0.171	23.97	24.50	1.130	0.193	29#	
	table 2	Right tilt			23230/782	1	0	0.05	0.111	23.97	24.50	1.130	0.125		
	table 2	Left cheek	0mm	QPSK	23230/782	25	0	0.10	0.110	22.79	23.50	1.178	0.129		
	table 2	Left tilt			23230/782	25	0	-0.05	0.069	22.79	23.50	1.178	0.081		
	table 2	Right cheek			23230/782	25	0	-0.04	0.104	22.79	23.50	1.178	0.123		
	table 2	Right tilt			23230/782	25	0	0.09	0.075	22.79	23.50	1.178	0.089		
	Body-worn														
	Table 3	Front side	15mm	QPSK	23230/782	1	0	-0.02	0.118	23.97	24.50	1.130	0.133		
	Table 3	Back side			23230/782	1	0	-0.16	0.286	23.97	24.50	1.130	0.323	30#	
	Table 3	Front side	15mm	QPSK	23230/782	25	0	-0.06	0.078	22.79	23.50	1.178	0.092		
	Table 3	Back side			23230/782	25	0	-0.06	0.141	22.79	23.50	1.178	0.167		
	Hotspot														
	table 7	Front side	10mm	QPSK	23230/782	1	0	0.03	0.108	23.97	24.50	1.130	0.122		
	table 7	Back side			23230/782	1	0	-0.02	0.339	23.97	24.50	1.130	0.383	31#	
	table 7	Left side			23230/782	1	0	-0.03	0.142	23.97	24.50	1.130	0.160		
	table 7	Right side			23230/782	1	0	0.10	0.140	23.97	24.50	1.130	0.158		
	table 7	Bottom side			23230/782	1	0	0.09	0.096	23.97	24.50	1.130	0.108		
	table 7	Front side	10mm	QPSK	23230/782	25	0	0.10	0.070	22.79	23.50	1.178	0.082		
	table 7	Back side			23230/782	25	0	-0.09	0.164	22.79	23.50	1.178	0.194		
	table 7	Left side			23230/782	25	0	-0.09	0.105	22.79	23.50	1.178	0.123		
	table 7	Right side			23230/782	25	0	0.06	0.095	22.79	23.50	1.178	0.112		
	table 7	Bottom side			23230/782	25	0	0.01	0.068	22.79	23.50	1.178	0.080		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 LTE Band 14 (10MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	23330/793	1	49	0.05	0.132	23.54	24.50	1.247	0.165	32#	
	table 2	Left tilt			23330/793	1	49	0.01	0.087	23.54	24.50	1.247	0.109		
	table 2	Right cheek			23330/793	1	49	0.09	0.119	23.54	24.50	1.247	0.148		
	table 2	Right tilt			23330/793	1	49	-0.04	0.091	23.54	24.50	1.247	0.114		
	table 2	Left cheek			0mm	QPSK	23330/793	25	25	-0.10	0.093	22.31	23.50	1.315	0.122
	table 2	Left tilt	23330/793	25			25	-0.04	0.059	22.31	23.50	1.315	0.077		
	table 2	Right cheek	23330/793	25			25	0.07	0.087	22.31	23.50	1.315	0.114		
	table 2	Right tilt	23330/793	25			25	0.03	0.060	22.31	23.50	1.315	0.079		
	Body-worn														
	Table 3	Front side	15mm	QPSK	23330/793	1	49	0.02	0.117	23.54	24.50	1.247	0.146		
	Table 3	Back side			23330/793	1	49	-0.02	0.203	23.54	24.50	1.247	0.253	33#	
	Table 3	Front side	15mm	QPSK	23330/793	25	25	0.02	0.078	22.31	23.50	1.315	0.102		
	Table 3	Back side			23330/793	25	25	-0.09	0.123	22.31	23.50	1.315	0.162		
	Hotspot														
	table 7	Front side	10mm	QPSK	23330/793	1	49	0.05	0.107	23.54	24.50	1.247	0.133		
	table 7	Back side			23330/793	1	49	0.08	0.213	23.54	24.50	1.247	0.266	34#	
	table 7	Left side			23330/793	1	49	0.08	0.138	23.54	24.50	1.247	0.172		
	table 7	Right side			23330/793	1	49	0.08	0.139	23.54	24.50	1.247	0.173		
	table 7	Bottom side			23330/793	1	49	-0.05	0.097	23.54	24.50	1.247	0.121		
	table 7	Front side	10mm	QPSK	23330/793	25	25	-0.03	0.069	22.31	23.50	1.315	0.091		
	table 7	Back side			23330/793	25	25	0.02	0.162	22.31	23.50	1.315	0.213		
	table 7	Left side			23330/793	25	25	0.08	0.102	22.31	23.50	1.315	0.134		
	table 7	Right side			23330/793	25	25	0.10	0.102	22.31	23.50	1.315	0.135		
	table 7	Bottom side			23330/793	25	25	-0.04	0.061	22.31	23.50	1.315	0.080		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.11 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	23790/710	1	49	-0.07	0.122	23.79	24.50	1.178	0.144	35#	
	table 2	Left tilt			23790/710	1	49	0.01	0.086	23.79	24.50	1.178	0.101		
	table 2	Right cheek			23790/710	1	49	0.03	0.100	23.79	24.50	1.178	0.118		
	table 2	Right tilt			23790/710	1	49	0.02	0.076	23.79	24.50	1.178	0.089		
	table 2	Left cheek			23780/709	1	49	-0.01	0.108	23.67	24.50	1.211	0.131		
	table 2	Left cheek			23800/711	1	49	0.07	0.109	23.68	24.50	1.208	0.132		
	table 2	Left cheek	0mm	QPSK	23790/710	25	0	0.10	0.079	22.86	23.50	1.159	0.091		
	table 2	Left tilt			23790/710	25	0	-0.03	0.046	22.86	23.50	1.159	0.053		
	table 2	Right cheek			23790/710	25	0	0.08	0.085	22.86	23.50	1.159	0.098		
	table 2	Right tilt			23790/710	25	0	0.10	0.056	22.86	23.50	1.159	0.065		
	Body-worn														
	Table 3	Front side	15mm	QPSK	23790/710	1	49	0.01	0.123	23.79	24.50	1.178	0.145		
	Table 3	Back side			23790/710	1	49	0.06	0.238	23.79	24.50	1.178	0.280	36#	
	Table 3	Back side			23780/709	1	49	-0.01	0.206	23.67	24.50	1.211	0.249		
	Table 3	Back side			23800/711	1	49	-0.01	0.209	23.68	24.50	1.208	0.252		
	Table 3	Front side	15mm	QPSK	23790/710	25	0	-0.01	0.085	22.86	23.50	1.159	0.098		
	Table 3	Back side			23790/710	25	0	-0.02	0.157	22.86	23.50	1.159	0.182		
	Hotspot														
	table 7	Front side	10mm	QPSK	23790/710	1	49	-0.07	0.104	23.79	24.50	1.178	0.122		
	table 7	Back side			23790/710	1	49	0.01	0.274	23.79	24.50	1.178	0.323	37#	
	table 7	Left side			23790/710	1	49	-0.03	0.156	23.79	24.50	1.178	0.184		
	table 7	Right side			23790/710	1	49	0.02	0.177	23.79	24.50	1.178	0.208		
	table 7	Bottom side			23790/710	1	49	0.06	0.062	23.79	24.50	1.178	0.073		
	table 7	Back side			23780/709	1	49	0.03	0.236	23.67	24.50	1.211	0.286		
	table 7	Back side			23800/711	1	49	-0.09	0.232	23.68	24.50	1.208	0.280		
	table 7	Front side	10mm	QPSK	23790/710	25	0	0.02	0.076	22.86	23.50	1.159	0.088		
	table 7	Back side			23790/710	25	0	0.09	0.176	22.86	23.50	1.159	0.204		
	table 7	Left side			23790/710	25	0	0.08	0.102	22.86	23.50	1.159	0.118		
	table 7	Right side			23790/710	25	0	-0.08	0.117	22.86	23.50	1.159	0.135		
	table 7	Bottom side			23790/710	25	0	0.07	0.044	22.86	23.50	1.159	0.051		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 LTE Band 25 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	26365/1882.5	1	0	-0.14	0.285	24.05	24.50	1.109	0.316		
	table 2	Left tilt			26365/1882.5	1	0	-0.14	0.134	24.05	24.50	1.109	0.149		
	table 2	Right cheek			26365/1882.5	1	0	0.20	0.193	24.05	24.50	1.109	0.214		
	table 2	Right tilt			26365/1882.5	1	0	-0.04	0.131	24.05	24.50	1.109	0.145		
	table 2	Left cheek			26140/1860	1	0	0.20	0.278	24.03	23.98	0.989	0.275		
	table 2	Left cheek			26590/1905	1	0	-0.06	0.288	23.98	24.50	1.127	0.325	38#	
	table 2	Left cheek	0mm	QPSK	26365/1882.5	50	0	0.14	0.226	23.07	23.50	1.104	0.250		
	table 2	Left tilt			26365/1882.5	50	0	-0.17	0.111	23.07	23.50	1.104	0.123		
	table 2	Right cheek			26365/1882.5	50	0	0.10	0.155	23.07	23.50	1.104	0.171		
	table 2	Right tilt			26365/1882.5	50	0	-0.04	0.102	23.07	23.50	1.104	0.113		
	Body-worn														
	Table 3	Front side	15mm	QPSK	26365/1882.5	1	0	0.03	0.230	24.05	24.50	1.109	0.255		
	Table 3	Back side			26365/1882.5	1	0	0.09	0.495	24.05	24.50	1.109	0.549		
	Table 3	Back side			26140/1860	1	0	0.14	0.760	24.03	24.50	1.114	0.847	39#	
	Table 3	Back side			26590/1905	1	0	-0.07	0.470	23.98	24.50	1.127	0.530		
	Table 3	Front side	15mm	QPSK	26365/1882.5	50	0	0.06	0.207	23.07	23.50	1.104	0.229		
	Table 3	Back side			26365/1882.5	50	0	-0.07	0.423	23.07	23.50	1.104	0.467		
	Table 3	Back side	15mm	QPSK	26365/1882.5	100	0	-0.12	0.432	23.23	23.50	1.064	0.460		
	Hotspot														
	table 7	Front side	10mm	QPSK	26365/1882.5	1	0	-0.12	0.192	21.13	21.50	1.089	0.209		
	table 7	Back side			26365/1882.5	1	0	-0.16	0.421	21.13	21.50	1.089	0.458		
	table 7	Left side			26365/1882.5	1	0	-0.11	0.163	21.13	21.50	1.089	0.177		
	table 7	Right side			26365/1882.5	1	0	-0.08	0.070	21.13	21.50	1.089	0.076		
	table 7	Bottom side			26365/1882.5	1	0	0.20	0.459	21.13	21.50	1.089	0.500		
	table 7	Bottom side			26140/1860	1	0	-0.03	0.533	21.11	21.50	1.094	0.583	40#	
	table 7	Bottom side			26590/1905	1	0	-0.05	0.410	20.86	21.50	1.159	0.475		
	table 7	Front side	10mm	QPSK	26365/1882.5	50	0	-0.19	0.198	20.89	21.50	1.151	0.228		
	table 7	Back side			26365/1882.5	50	0	0.17	0.403	20.89	21.50	1.151	0.464		
	table 7	Left side			26365/1882.5	50	0	0.04	0.166	20.89	21.50	1.151	0.191		
	table 7	Right side			26365/1882.5	50	0	-0.19	0.074	20.89	21.50	1.151	0.085		
	table 7	Bottom side			26365/1882.5	50	0	-0.15	0.472	20.89	21.50	1.151	0.543		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 LTE Band 30 (10MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head													
	table 2	Left cheek	0mm	QPSK	27710/2310	1	0	0.10	0.022	22.33	23.70	1.371	0.030	
	table 2	Left tilt			27710/2310	1	0	0.00	0.010	22.33	23.70	1.371	0.014	
	table 2	Right cheek			27710/2310	1	0	0.17	0.027	22.33	23.70	1.371	0.037	41#
	table 2	Right tilt			27710/2310	1	0	0.00	0.014	22.33	23.70	1.371	0.019	
	table 2	Left cheek	0mm	QPSK	27710/2310	25	0	0.05	0.020	21.20	22.70	1.413	0.028	
	table 2	Left tilt			27710/2310	25	0	0.00	0.008	21.20	22.70	1.413	0.011	
	table 2	Right cheek			27710/2310	25	0	-0.09	0.012	21.20	22.70	1.413	0.017	
	table 2	Right tilt			27710/2310	25	0	0.00	0.010	21.20	22.70	1.413	0.014	
	Body-worn													
	Table 3	Front side	15mm	QPSK	27710/2310	1	0	-0.11	0.066	19.36	20.70	1.361	0.090	
	Table 3	Back side			27710/2310	1	0	-0.15	0.286	19.36	20.70	1.361	0.389	42#
	Table 3	Front side	15mm	QPSK	27710/2310	25	0	0.19	0.057	19.20	20.70	1.413	0.081	
	Table 3	Back side			27710/2310	25	0	-0.11	0.275	19.20	20.70	1.413	0.388	
	Hotspot													
	table 7	Front side	10mm	QPSK	27710/2310	1	0	-0.18	0.113	17.83	18.20	1.089	0.123	
	table 7	Back side			27710/2310	1	0	0.02	0.559	17.83	18.20	1.089	0.609	43#
	table 7	Left side			27710/2310	1	0	0.00	0.015	17.83	18.20	1.089	0.016	
	table 7	Right side			27710/2310	1	0	-0.02	0.091	17.83	18.20	1.089	0.099	
	table 7	Bottom side			27710/2310	1	0	-0.09	0.352	17.83	18.20	1.089	0.383	
	table 7	Front side	10mm	QPSK	27710/2310	25	0	-0.03	0.111	17.66	18.20	1.132	0.126	
	table 7	Back side			27710/2310	25	0	0.03	0.532	17.66	18.20	1.132	0.602	
	table 7	Left side			27710/2310	25	0	0.00	0.010	17.66	18.20	1.132	0.011	
	table 7	Right side			27710/2310	25	0	-0.17	0.079	17.66	18.20	1.132	0.089	
	table 7	Bottom side			27710/2310	25	0	0.16	0.322	17.66	18.20	1.132	0.365	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.14 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	38000/2595	1	0	-0.12	0.050	24.04	24.50	1.112	0.056	44#	
	table 2	Left tilt			38000/2595	1	0	0.00	0.010	24.04	24.50	1.112	0.011		
	table 2	Right cheek			38000/2595	1	0	-0.17	0.044	24.04	24.50	1.112	0.049		
	table 2	Right tilt			38000/2595	1	0	0.00	0.008	24.04	24.50	1.112	0.009		
	table 2	Left cheek			37850/2580	1	0	0.12	0.042	23.81	24.50	1.172	0.049		
	table 2	Left cheek			38150/2610	1	0	0.11	0.045	23.79	24.50	1.178	0.053		
	table 2	Left cheek	0mm	QPSK	38000/2595	50	0	0.18	0.046	23.04	23.50	1.112	0.051		
	table 2	Left tilt			38000/2595	50	0	0.00	0.006	23.04	23.50	1.112	0.007		
	table 2	Right cheek			38000/2595	50	0	-0.06	0.031	23.04	23.50	1.112	0.034		
	table 2	Right tilt			38000/2595	50	0	0.00	0.005	23.04	23.50	1.112	0.006		
	Body-worn														
	Table 3	Front side	15mm	QPSK	38000/2595	1	0	0.02	0.068	24.04	24.50	1.112	0.076		
	Table 3	Back side			38000/2595	1	0	0.07	0.284	24.04	24.50	1.112	0.316		
	Table 3	Back side			37850/2580	1	0	0.20	0.272	23.81	24.50	1.172	0.319		
	Table 3	Back side			38150/2610	1	0	0.19	0.300	23.79	24.50	1.178	0.353	45#	
	Table 3	Front side	15mm	QPSK	38000/2595	50	0	0.20	0.060	23.04	23.50	1.112	0.067		
	Table 3	Back side			38000/2595	50	0	0.11	0.229	23.04	23.50	1.112	0.255		
	Hotspot														
	table 7	Front side	10mm	QPSK	38000/2595	1	0	-0.15	0.104	24.04	24.50	1.112	0.116		
	table 7	Back side			38000/2595	1	0	0.02	0.400	24.04	24.50	1.112	0.445		
	table 7	Left side			38000/2595	1	0	-0.09	0.067	24.04	24.50	1.112	0.074		
	table 7	Right side			38000/2595	1	0	0.08	0.077	24.04	24.50	1.112	0.086		
	table 7	Bottom side			38000/2595	1	0	-0.13	0.319	24.04	24.50	1.112	0.355		
	table 7	Back side			37850/2580	1	0	-0.12	0.499	23.81	24.50	1.172	0.585		
	table 7	Back side			38150/2610	1	0	0.04	0.509	23.79	24.50	1.178	0.599	46#	
	table 7	Front side	10mm	QPSK	38000/2595	50	0	0.02	0.067	23.04	23.50	1.112	0.074		
	table 7	Back side			38000/2595	50	0	0.06	0.417	23.04	23.50	1.112	0.464		
	table 7	Left side			38000/2595	50	0	-0.12	0.037	23.04	23.50	1.112	0.041		
	table 7	Right side			38000/2595	50	0	-0.04	0.045	23.04	23.50	1.112	0.050		
	table 7	Bottom side			38000/2595	50	0	0.04	0.238	23.04	23.50	1.112	0.265		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.15 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head														
	table 2	Left cheek	0mm	QPSK	40620/2593	1	0	0.13	0.050	24.32	24.50	1.042	0.052		
	table 2	Left tilt			40620/2593	1	0	0.00	0.018	24.32	24.50	1.042	0.019		
	table 2	Right cheek			40620/2593	1	0	0.02	0.052	24.32	24.50	1.042	0.054		
	table 2	Right tilt			40620/2593	1	0	0.00	0.015	24.32	24.50	1.042	0.016		
	table 2	Left cheek			39750/2506	1	0	0.12	0.044	24.07	24.50	1.104	0.049		
	table 2	Left cheek			40185/2549.5	1	0	0.06	0.046	24.05	24.50	1.109	0.051		
	table 2	Left cheek			41055/2636.5	1	0	0.20	0.052	24.10	24.50	1.096	0.057	47#	
	table 2	Left cheek			41490/2680	1	0	0.11	0.049	24.18	24.50	1.076	0.053		
	table 2	Left cheek			0mm	QPSK	40620/2593	50	0	0.05	0.030	23.36	23.50	1.033	0.031
	table 2	Left tilt	40620/2593	50			0	0.00	0.013	23.36	23.50	1.033	0.013		
	table 2	Right cheek	40620/2593	50			0	-0.08	0.032	23.36	23.50	1.033	0.033		
	table 2	Right tilt	40620/2593	50			0	0.00	0.010	23.36	23.50	1.033	0.010		
	Body-worn														
	Table 3	Front side	15mm	QPSK	40620/2593	1	0	-0.12	0.069	24.32	24.50	1.042	0.072		
	Table 3	Back side			40620/2593	1	0	-0.02	0.292	24.32	24.50	1.042	0.304		
	Table 3	Back side			39750/2506	1	0	0.05	0.345	24.07	24.50	1.104	0.381	48#	
	Table 3	Back side			40185/2549.5	1	0	0.15	0.283	24.05	24.50	1.109	0.314		
	Table 3	Back side			41055/2636.5	1	0	0.15	0.307	24.10	24.50	1.096	0.337		
	Table 3	Back side			41490/2680	1	0	0.01	0.274	24.18	24.50	1.076	0.295		
	Table 3	Front side	15mm	QPSK	40620/2593	50	0	-0.15	0.038	23.36	23.50	1.033	0.039		
	Table 3	Back side			40620/2593	50	0	0.08	0.148	23.36	23.50	1.033	0.153		
	Hotspot														
	table 7	Front side	10mm	QPSK	40620/2593	1	0	-0.05	0.103	24.32	24.50	1.042	0.107		
	table 7	Back side			40620/2593	1	0	-0.09	0.583	24.32	24.50	1.042	0.608		
	table 7	Left side			40620/2593	1	0	-0.04	0.076	24.32	24.50	1.042	0.079		
	table 7	Right side			40620/2593	1	0	0.16	0.090	24.32	24.50	1.042	0.094		
	table 7	Bottom side			40620/2593	1	0	0.02	0.323	24.32	24.50	1.042	0.337		
	table 7	Back side			39750/2506	1	0	-0.19	0.655	24.07	24.50	1.104	0.723	49#	
	table 7	Back side			40185/2549.5	1	0	0.02	0.604	24.05	24.50	1.109	0.670		
	table 7	Back side			41055/2636.5	1	0	0.20	0.589	24.10	24.50	1.096	0.646		
	table 7	Back side			41490/2680	1	0	0.10	0.530	24.18	24.50	1.076	0.571		
	table 7	Front side			10mm	QPSK	40620/2593	50	0	0.19	0.056	23.36	23.50	1.033	0.058
	table 7	Back side	40620/2593	50			0	-0.02	0.377	23.36	23.50	1.033	0.389		
	table 7	Left side	40620/2593	50			0	-0.06	0.052	23.36	23.50	1.033	0.054		
	table 7	Right side	40620/2593	50			0	0.15	0.074	23.36	23.50	1.033	0.076		

	table 7	Bottom side			40620/2593	50	0	0.13	0.244	23.36	23.50	1.033	0.252	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.16 LTE Band 42 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
1	Head														
	table 2	Left cheek	0mm	QPSK	42840/3525	1	99	-0.07	0.154	23.87	24.50	1.156	0.178		
	table 2	Left tilt			42840/3525	1	99	-0.04	0.041	23.87	24.50	1.156	0.047		
	table 2	Right cheek			42840/3525	1	99	0.06	0.215	23.87	24.50	1.156	0.249		
	table 2	Right tilt			42840/3525	1	99	-0.14	0.048	23.87	24.50	1.156	0.055		
	table 2	Right cheek			42190/3460	1	99	-0.01	0.193	23.76	24.50	1.186	0.229		
	table 2	Right cheek			42680/3509	1	99	-0.05	0.210	23.68	24.50	1.208	0.254		
	table 2	Right cheek			43000/3541	1	99	-0.19	0.223	23.85	24.50	1.161	0.259		
	table 2	Right cheek			43490/3590	1	99	0.02	0.233	23.70	24.50	1.202	0.280	50#	
	table 2	Left cheek	0mm	QPSK	42840/3525	50	50	0.18	0.106	22.53	23.50	1.250	0.133		
	table 2	Left tilt			42840/3525	50	50	-0.07	0.028	22.53	23.50	1.250	0.035		
	table 2	Right cheek			42840/3525	50	50	-0.17	0.207	22.53	23.50	1.250	0.259		
	table 2	Right tilt			42840/3525	50	50	-0.13	0.031	22.53	23.50	1.250	0.039		
	Body-worn														
	Table 3	Front side	15mm	QPSK	42840/3525	1	99	-0.06	0.054	23.87	24.50	1.156	0.062		
	Table 3	Back side			42840/3525	1	99	0.17	0.435	23.87	24.50	1.156	0.503		
	Table 3	Back side			42190/3460	1	99	-0.17	0.455	23.76	24.50	1.186	0.540	51#	
	Table 3	Back side			42680/3509	1	99	-0.09	0.428	23.68	24.50	1.208	0.517		
	Table 3	Back side			43000/3541	1	99	-0.19	0.418	23.85	24.50	1.161	0.485		
	Table 3	Back side			43490/3590	1	99	0.07	0.403	23.70	24.50	1.202	0.485		
	Table 3	Front side	15mm	QPSK	42840/3525	50	50	-0.03	0.035	22.53	23.50	1.250	0.044		
	Table 3	Back side			42840/3525	50	50	0.11	0.338	22.53	23.50	1.250	0.423		
	Hotspot														
	table 7	Front side	10mm	QPSK	42840/3525	1	99	-0.19	0.096	23.87	24.50	1.156	0.111		
	table 7	Back side			42840/3525	1	99	-0.04	0.582	23.87	24.50	1.156	0.673		
	table 7	Right side			42840/3525	1	99	-0.04	0.592	23.87	24.50	1.156	0.684		
	table 7	Right side			42190/3460	1	99	-0.18	0.602	23.76	24.50	1.186	0.714	52#	
	table 7	Right side			42680/3509	1	99	0.12	0.583	23.68	24.50	1.208	0.704		
	table 7	Right side			43000/3541	1	99	0.20	0.572	23.85	24.50	1.161	0.664		
	table 7	Right side			43490/3590	1	99	0.14	0.582	23.70	24.50	1.202	0.700		
	table 7	Front side	10mm	QPSK	42840/3525	50	50	-0.10	0.068	22.53	23.50	1.250	0.085		
	table 7	Back side			42840/3525	50	50	0.17	0.546	22.53	23.50	1.250	0.683		
	table 7	Right side			42840/3525	50	50	0.01	0.555	22.53	23.50	1.250	0.694		

Note: Refer to ANNEX C for the detailed test data for each test configuration.

10.17 LTE Band 43 (20MHz Bandwidth)

3600-3650MHz

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
1	Head													
	table 2	Left cheek	0mm	QPSK	43990/3640	1	0	-0.10	0.202	24.04	24.50	1.112	0.225	
	table 2	Left tilt			43990/3640	1	0	-0.14	0.042	24.04	24.50	1.112	0.047	
	table 2	Right cheek			43990/3640	1	0	-0.01	0.327	24.04	24.50	1.112	0.364	
	table 2	Right tilt			43990/3640	1	0	-0.11	0.038	24.04	24.50	1.112	0.042	
	table 2	Right cheek			43690/3610	1	0	-0.15	0.421	23.64	24.50	1.219	0.513	53#
	table 2	Right cheek			43840/3625	1	0	-0.07	0.286	23.72	24.50	1.197	0.342	
	table 2	Left cheek	0mm	QPSK	43990/3640	50	0	-0.10	0.157	22.99	23.50	1.125	0.177	
	table 2	Left tilt			43990/3640	50	0	0.10	0.027	22.99	23.50	1.125	0.030	
	table 2	Right cheek			43990/3640	50	0	0.16	0.249	22.99	23.50	1.125	0.280	
	table 2	Right tilt			43990/3640	50	0	0.13	0.034	22.99	23.50	1.125	0.038	
	Body-worn													
	Table 3	Front side	15mm	QPSK	43990/3640	1	0	-0.05	0.085	24.04	24.50	1.112	0.094	
	Table 3	Back side			43990/3640	1	0	-0.13	0.247	24.04	24.50	1.112	0.275	
	Table 3	Back side			43690/3610	1	0	0.07	0.277	23.64	24.50	1.219	0.338	54#
	Table 3	Back side			43840/3625	1	0	0.19	0.247	23.72	24.50	1.197	0.296	
	Table 3	Front side	15mm	QPSK	43990/3640	50	0	-0.13	0.076	22.99	23.50	1.125	0.085	
	Table 3	Back side			43990/3640	50	0	-0.04	0.257	22.99	23.50	1.125	0.289	
	Hotspot													
	table 7	Front side	10mm	QPSK	43990/3640	1	0	-0.14	0.114	24.04	24.50	1.112	0.127	
	table 7	Back side			43990/3640	1	0	-0.11	0.702	24.04	24.50	1.112	0.780	
	table 7	Right side			43990/3640	1	0	0.11	0.707	24.04	24.50	1.112	0.786	
	table 7	Right side			43690/3610	1	0	0.13	0.717	23.64	24.50	1.219	0.874	55#
	table 7	Right side			43840/3625	1	0	-0.15	0.693	23.72	24.50	1.197	0.829	
	table 7	Front side	10mm	QPSK	43990/3640	50	0	-0.18	0.091	22.99	23.50	1.125	0.102	
	table 7	Back side			43990/3640	50	0	0.01	0.572	22.99	23.50	1.125	0.643	
	table 7	Right side			43990/3640	50	0	-0.11	0.630	22.99	23.50	1.125	0.709	
	table 7	Right side	10mm	QPSK	43990/3640	100	0	0.15	0.605	22.80	23.50	1.175	0.711	

Note: Refer to ANNEX C for the detailed test data for each test configuration.

3650-3700MHz

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
1	Head													
	table 2	Left cheek	0mm	QPSK	44340/3675	1	0	-0.11	0.256	23.93	24.50	1.140	0.292	
	table 2	Left tilt			44340/3675	1	0	-0.13	0.063	23.93	24.50	1.140	0.072	
	table 2	Right cheek			44340/3675	1	0	-0.05	0.553	23.93	24.50	1.140	0.631	56#
	table 2	Right tilt			44340/3675	1	0	-0.05	0.053	23.93	24.50	1.140	0.060	
	table 2	Right cheek			44190/3660	1	0	-0.18	0.310	23.92	24.50	1.143	0.354	
	table 2	Right cheek			44490/3690	1	0	-0.15	0.326	23.86	24.50	1.159	0.378	
	table 2	Left cheek	0mm	QPSK	44340/3675	50	0	-0.11	0.203	22.83	23.50	1.167	0.237	
	table 2	Left tilt			44340/3675	50	0	-0.20	0.050	22.83	23.50	1.167	0.058	
	table 2	Right cheek			44340/3675	50	0	0.17	0.291	22.83	23.50	1.167	0.340	
	table 2	Right tilt			44340/3675	50	0	-0.18	0.042	22.83	23.50	1.167	0.049	
	Body-worn													
	Table 3	Front side	15mm	QPSK	44340/3675	1	0	-0.07	0.107	23.93	24.50	1.140	0.122	
	Table 3	Back side			44340/3675	1	0	-0.05	0.358	23.93	24.50	1.140	0.408	
	Table 3	Back side			44190/3660	1	0	-0.01	0.378	23.92	24.50	1.143	0.432	
	Table 3	Back side			44490/3690	1	0	-0.15	0.388	23.86	24.50	1.159	0.450	57#
	Table 3	Front side	15mm	QPSK	44340/3675	50	0	-0.01	0.085	22.83	23.50	1.167	0.099	
	Table 3	Back side			44340/3675	50	0	0.06	0.357	22.83	23.50	1.167	0.417	
	Hotspot													
	table 7	Front side	10mm	QPSK	44340/3675	1	0	0.08	0.151	23.93	24.50	1.140	0.172	
	table 7	Back side			44340/3675	1	0	0.14	0.700	23.93	24.50	1.140	0.798	
	table 7	Right side			44340/3675	1	0	-0.01	0.743	23.93	24.50	1.140	0.847	
	table 7	Right side			44190/3660	1	0	0.14	0.765	23.92	24.50	1.143	0.874	
	table 7	Right side			44490/3690	1	0	0.07	0.775	23.86	24.50	1.159	0.898	58#
	table 7	Front side	10mm	QPSK	44340/3675	50	0	0.08	0.120	22.83	23.50	1.167	0.140	
	table 7	Back side			44340/3675	50	0	-0.02	0.580	22.83	23.50	1.167	0.677	
	table 7	Right side			44340/3675	50	0	-0.02	0.590	22.83	23.50	1.167	0.688	
	table 7	Right side	10mm	QPSK	44340/3675	100	0	0.19	0.596	22.81	23.50	1.172	0.699	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.18 LTE Band 48 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
1	Head														
	table 2	Left cheek	0mm	QPSK	55990/3625	1	99	-0.06	0.198	24.07	24.50	1.104	0.219		
	table 2	Left tilt			55990/3625	1	99	-0.18	0.054	24.07	24.50	1.104	0.060		
	table 2	Right cheek			55990/3625	1	99	-0.04	0.333	24.07	24.50	1.104	0.368		
	table 2	Right tilt			55990/3625	1	99	0.13	0.073	24.07	24.50	1.104	0.081		
	table 2	Right cheek			55340/3560	1	99	-0.12	0.324	23.77	24.50	1.183	0.383		
	table 2	Right cheek			55690/3595	1	99	0.05	0.309	23.77	24.50	1.183	0.366		
	table 2	Right cheek			56340/3660	1	99	-0.02	0.347	23.67	24.50	1.211	0.420		
	table 2	Right cheek			56640/3690	1	99	-0.03	0.460	23.75	24.50	1.189	0.547	59#	
	table 2	Left cheek	0mm	QPSK	55990/3625	50	50	-0.19	0.149	22.89	23.50	1.151	0.171		
	table 2	Left tilt			55990/3625	50	50	-0.07	0.028	22.89	23.50	1.151	0.032		
	table 2	Right cheek			55990/3625	50	50	-0.06	0.257	22.89	23.50	1.151	0.296		
	table 2	Right tilt			55990/3625	50	50	-0.14	0.040	22.89	23.50	1.151	0.046		
	Body-worn														
	Table 3	Front side	15mm	QPSK	55990/3625	1	49	0.08	0.029	21.99	22.50	1.125	0.033		
	Table 3	Back side			55990/3625	1	49	-0.12	0.141	21.99	22.50	1.125	0.159		
	Table 3	Back side			55340/3560	1	49	0.16	0.163	21.87	22.50	1.156	0.188		
	Table 3	Back side			55690/3595	1	49	0.02	0.177	21.78	22.50	1.180	0.209		
	Table 3	Back side			56340/3660	1	49	0.07	0.157	21.92	22.50	1.143	0.179		
	Table 3	Back side			56640/3690	1	49	-0.02	0.208	21.70	22.50	1.202	0.250	60#	
	Table 3	Front side	15mm	QPSK	55990/3625	50	50	0.08	0.032	21.29	22.50	1.321	0.042		
	Table 3	Back side			55990/3625	50	50	-0.17	0.122	21.29	22.50	1.321	0.161		
	Hotspot														
	table 7	Front side	10mm	QPSK	55990/3625	1	99	-0.12	0.064	21.57	22.00	1.104	0.071		
	table 7	Back side			55990/3625	1	99	0.04	0.279	21.57	22.00	1.104	0.308		
	table 7	Right side			55990/3625	1	99	0.12	0.284	21.57	22.00	1.104	0.314		
	table 7	Right side			55340/3560	1	99	-0.20	0.326	21.27	22.00	1.183	0.386		
	table 7	Right side			55690/3595	1	99	0.05	0.313	21.27	22.00	1.183	0.370		
	table 7	Right side			56340/3660	1	99	0.18	0.330	21.17	22.00	1.211	0.399		
	table 7	Right side			56640/3690	1	99	-0.02	0.377	21.25	22.00	1.189	0.448	61#	
	table 7	Front side			10mm	QPSK	55990/3625	50	50	-0.15	0.051	20.99	22.00	1.262	0.064
	table 7	Back side	55990/3625	50			50	-0.14	0.236	20.99	22.00	1.262	0.298		
	table 7	Right side	55990/3625	50			50	-0.04	0.226	20.99	22.00	1.262	0.285		
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Note: Refer to ANNEX C for the detailed test data for each test configuration.

10.19 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head													
	table 2	Left cheek	0mm	QPSK	132322/1745	1	0	-0.01	0.130	23.49	24.50	1.262	0.164	
	table 2	Left tilt			132322/1745	1	0	-0.07	0.061	23.49	24.50	1.262	0.077	
	table 2	Right cheek			132322/1745	1	0	0.12	0.122	23.49	24.50	1.262	0.154	
	table 2	Right tilt			132322/1745	1	0	0.07	0.070	23.49	24.50	1.262	0.088	
	table 2	Left cheek			132072/1720	1	0	0.20	0.103	23.45	24.50	1.274	0.131	
	table 2	Left cheek			132572/1770	1	0	-0.09	0.179	23.38	24.50	1.294	0.232	62#
	table 2	Left cheek	0mm	QPSK	132322/1745	50	0	0.10	0.095	22.58	23.50	1.236	0.118	
	table 2	Left tilt			132322/1745	50	0	0.09	0.033	22.58	23.50	1.236	0.040	
	table 2	Right cheek			132322/1745	50	0	0.19	0.089	22.58	23.50	1.236	0.110	
	table 2	Right tilt			132322/1745	50	0	-0.10	0.040	22.58	23.50	1.236	0.049	
	Body-worn													
	Table 3	Front side	15mm	QPSK	132322/1745	1	0	0.00	0.014	14.62	15.50	1.225	0.017	
	Table 3	Back side			132322/1745	1	0	-0.20	0.165	14.62	15.50	1.225	0.202	
	Table 3	Back side			132072/1720	1	0	-0.19	0.245	14.40	15.50	1.288	0.316	63#
	Table 3	Back side			132572/1770	1	0	0.02	0.135	14.28	15.50	1.324	0.179	
	Table 3	Front side	15mm	QPSK	132322/1745	50	0	0.00	0.010	14.58	15.50	1.236	0.012	
	Table 3	Back side			132322/1745	50	0	-0.19	0.158	14.58	15.50	1.236	0.195	
	Hotspot													
	table 7	Front side	10mm	QPSK	132322/1745	1	0	0.00	0.020	13.12	14.00	1.225	0.024	
	table 7	Back side			132322/1745	1	0	0.06	0.269	13.12	14.00	1.225	0.329	
	table 7	Left side			132322/1745	1	0	0.00	0.009	13.12	14.00	1.225	0.011	
	table 7	Right side			132322/1745	1	0	0.00	0.011	13.12	14.00	1.225	0.013	
	table 7	Bottom side			132322/1745	1	0	0.06	0.246	13.12	14.00	1.225	0.301	
	table 7	Back side			132072/1720	1	0	-0.08	0.425	12.95	14.00	1.274	0.541	64#
	table 7	Back side			132572/1770	1	0	-0.09	0.229	12.88	14.00	1.294	0.296	
	table 7	Front side	10mm	QPSK	132322/1745	50	0	0.00	0.017	13.08	14.00	1.236	0.021	
	table 7	Back side			132322/1745	50	0	-0.08	0.249	13.08	14.00	1.236	0.308	
	table 7	Left side			132322/1745	50	0	0.00	0.006	13.08	14.00	1.236	0.007	
	table 7	Right side			132322/1745	50	0	0.00	0.010	13.08	14.00	1.236	0.012	
	table 7	Bottom side			132322/1745	50	0	-0.19	0.236	13.08	14.00	1.236	0.292	
	Note: Refer to ANNEX C for the detailed test data for each test configuration.													

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific													
	table 3	Back side	0mm	QPSK	132322/1745	1	0	-0.02	0.662	14.62	15.50	1.225	0.811	
	table 3	Bottom side			132322/1745	1	0	0.13	0.615	14.62	15.50	1.225	0.753	
	table 3	Back side			132072/1720	1	0	0.10	0.896	14.40	15.50	1.288	1.154	65#
	table 3	Back side			132572/1770	1	0	0.16	0.618	14.28	15.50	1.324	0.818	

10.20 LTE Band 71 (20MHz Bandwidth)

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head													
	table 2	Left cheek	0mm	QPSK	133322/683	1	99	0.15	0.090	23.85	24.50	1.161	0.105	
	table 2	Left tilt			133322/683	1	99	-0.05	0.078	23.85	24.50	1.161	0.091	
	table 2	Right cheek			133322/683	1	99	0.08	0.110	23.85	24.50	1.161	0.128	
	table 2	Right tilt			133322/683	1	99	0.09	0.080	23.85	24.50	1.161	0.093	
	table 2	Right cheek			133222/673	1	99	-0.15	0.119	23.81	24.50	1.172	0.139	
	table 2	Right cheek			133272/688	1	99	0.17	0.130	23.71	24.50	1.199	0.156	66#
	table 2	Left cheek	0mm	QPSK	133322/683	50	50	-0.15	0.067	22.75	23.50	1.189	0.080	
	table 2	Left tilt			133322/683	50	50	-0.15	0.030	22.75	23.50	1.189	0.036	
	table 2	Right cheek			133222/673	50	50	-0.11	0.070	22.75	23.50	1.189	0.083	
	table 2	Right tilt			133272/688	50	50	0.14	0.050	22.75	23.50	1.189	0.059	
	Body-worn													
	Table 3	Front side	15mm	QPSK	133322/683	1	99	-0.07	0.128	23.85	24.50	1.161	0.149	
	Table 3	Back side			133322/683	1	99	-0.09	0.216	23.85	24.50	1.161	0.251	
	Table 3	Back side			133222/673	1	99	0.10	0.248	23.81	24.50	1.172	0.291	67#
	Table 3	Back side			133272/688	1	99	0.10	0.210	23.71	24.50	1.199	0.252	
	Table 3	Front side	15mm	QPSK	133322/683	50	50	-0.16	0.076	22.75	23.50	1.189	0.090	
	Table 3	Back side			133322/683	50	50	-0.05	0.141	22.75	23.50	1.189	0.168	
	Hotspot													
	table 7	Front side	10mm	QPSK	133322/683	1	99	0.06	0.106	23.85	24.50	1.161	0.123	
	table 7	Back side			133322/683	1	99	-0.08	0.249	23.85	24.50	1.161	0.289	
	table 7	Left side			133322/683	1	99	-0.18	0.164	23.85	24.50	1.161	0.190	
	table 7	Right side			133322/683	1	99	-0.20	0.184	23.85	24.50	1.161	0.214	
	table 7	Bottom side			133322/683	1	99	0.01	0.057	23.85	24.50	1.161	0.066	

	table 7	Back side			133222/673	1	99	-0.06	0.289	23.81	24.50	1.172	0.339	68#
	table 7	Back side			133272/688	1	99	0.04	0.261	23.71	24.50	1.199	0.313	
	table 7	Front side	10mm	QPSK	133322/683	50	50	0.03	0.067	22.75	23.50	1.189	0.080	
	table 7	Back side			133322/683	50	50	-0.09	0.153	22.75	23.50	1.189	0.182	
	table 7	Left side			133322/683	50	50	-0.13	0.099	22.75	23.50	1.189	0.118	
	table 7	Right side			133322/683	50	50	-0.16	0.113	22.75	23.50	1.189	0.134	
	table 7	Bottom side			133322/683	50	50	0.12	0.042	22.75	23.50	1.189	0.050	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.21 NR n2 (20MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head															
	table 2	Left cheek	0mm	DFT-s- OFDM QPSK	15kHz	376000/1880	1	1	0.15	0.359	23.83	24.50	1.167	0.419	69#	
	table 2	Left tilt				376000/1880	1	1	0.03	0.122	23.83	24.50	1.167	0.142		
	table 2	Right cheek				376000/1880	1	1	0.05	0.218	23.83	24.50	1.167	0.254		
	table 2	Right tilt				376000/1880	1	1	-0.12	0.121	23.83	24.50	1.167	0.141		
	table 2	Left cheek				372000/1860	1	1	-0.14	0.304	23.69	24.50	1.205	0.366		
	table 2	Left cheek				380000/1900	1	1	0.12	0.323	23.76	24.50	1.186	0.383		
	table 2	Left cheek	0mm		15kHz	376000/1880	50	28	0.11	0.315	23.74	24.50	1.191	0.375		
	table 2	Left tilt				376000/1880	50	28	-0.16	0.112	23.74	24.50	1.191	0.133		
	table 2	Right cheek				376000/1880	50	28	-0.16	0.208	23.74	24.50	1.191	0.248		
	table 2	Right tilt				376000/1880	50	28	0.11	0.111	23.74	24.50	1.191	0.132		
	Body-worn															
	Table 3	Front side	15mm	DFT-s- OFDM QPSK	15kHz	376000/1880	1	1	0.06	0.120	20.99	21.50	1.125	0.135		
	Table 3	Back side				376000/1880	1	1	-0.14	0.249	20.99	21.50	1.125	0.280		
	Table 3	Back side				372000/1860	1	1	0.09	0.269	20.68	21.50	1.208	0.325	70#	
	Table 3	Back side				380000/1900	1	1	0.01	0.242	20.56	21.50	1.242	0.300		
	Table 3	Front side	15mm		15kHz	376000/1880	50	28	-0.06	0.110	21.06	21.50	1.106	0.122		
	Table 3	Back side				376000/1880	50	28	-0.18	0.229	21.06	21.50	1.106	0.253		
	Hotspot															
	table 7	Front side	10mm		DFT-s- OFDM QPSK	15kHz	376000/1880	1	1	0.19	0.133	18.85	19.50	1.161	0.154	
	table 7	Back side		376000/1880			1	1	-0.20	0.290	18.85	19.50	1.161	0.337		
	table 7	Left side		376000/1880			1	1	0.04	0.089	18.85	19.50	1.161	0.103		
	table 7	Right side		376000/1880			1	1	0.19	0.056	18.85	19.50	1.161	0.065		
	table 7	Bottom side		376000/1880			1	1	0.11	0.334	18.85	19.50	1.161	0.388		
	table 7	Bottom side		372000/1860			1	1	-0.08	0.388	18.68	19.50	1.208	0.469	71#	
	table 7	Bottom side		380000/1900			1	1	-0.06	0.281	18.60	19.50	1.230	0.346		
	table 7	Front side	10mm	15kHz		376000/1880	50	28	-0.19	0.113	18.81	19.50	1.172	0.132		
	table 7	Back side				376000/1880	50	28	-0.20	0.270	18.81	19.50	1.172	0.316		
	table 7	Left side				376000/1880	50	28	0.13	0.079	18.81	19.50	1.172	0.093		
	table 7	Right side				376000/1880	50	28	-0.05	0.036	18.81	19.50	1.172	0.042		
	table 7	Bottom side				376000/1880	50	28	0.17	0.324	18.81	19.50	1.172	0.380		
	Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific														
	table 3	Bottom side	0mm	DFT-s-	15kHz	376000/1880	1	1	-0.02	0.505	20.99	21.50	1.125	0.568	
	table 3	Bottom side		OFDM		372000/1860	1	1	0.07	0.542	20.68	21.50	1.208	0.655	72#
	table 3	Bottom side		QPSK		380000/1900	1	1	0.14	0.471	20.56	21.50	1.242	0.585	

10.22 NR n5 (20MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head														
	table 2	Left cheek	0mm	DFT-s- OFDM QPSK	15kHz	167300/836.5	1	1	0.16	0.181	23.92	24.50	1.143	0.207	
	table 2	Left tilt				167300/836.5	1	1	0.17	0.127	23.92	24.50	1.143	0.145	
	table 2	Right cheek				167300/836.5	1	1	0.04	0.171	23.92	24.50	1.143	0.195	
	table 2	Right tilt				167300/836.5	1	1	-0.12	0.133	23.92	24.50	1.143	0.152	
	table 2	Left cheek				166800/834	1	1	0.05	0.184	23.76	24.50	1.186	0.218	
	table 2	Left cheek				167800/839	1	1	-0.17	0.201	23.83	24.50	1.167	0.235	73#
	table 2	Left cheek	0mm		15kHz	167300/836.5	50	28	-0.19	0.161	23.67	24.50	1.211	0.195	
	table 2	Left tilt				167300/836.5	50	28	0.06	0.107	23.67	24.50	1.211	0.130	
	table 2	Right cheek				167300/836.5	50	28	-0.02	0.151	23.67	24.50	1.211	0.183	
	table 2	Right tilt				167300/836.5	50	28	-0.03	0.113	23.67	24.50	1.211	0.137	
	Body-worn														
	Table 3	Front side	15mm	DFT-s- OFDM QPSK	15kHz	167300/836.5	1	1	-0.05	0.136	23.92	24.50	1.143	0.155	
	Table 3	Back side				167300/836.5	1	1	-0.14	0.208	23.92	24.50	1.143	0.238	
	Table 3	Back side				166800/834	1	1	0.12	0.247	23.76	24.50	1.186	0.293	74#
	Table 3	Back side				167800/839	1	1	-0.03	0.202	23.83	24.50	1.167	0.236	
	Table 3	Front side	15mm		15kHz	167300/836.5	50	28	0.12	0.126	23.67	24.50	1.211	0.153	
	Table 3	Back side				167300/836.5	50	28	0.01	0.198	23.67	24.50	1.211	0.240	
	Hotspot														
	table 7	Front side	10mm	DFT-s- OFDM QPSK	15kHz	167300/836.5	1	1	0.07	0.126	23.92	24.50	1.143	0.144	
	table 7	Back side				167300/836.5	1	1	-0.06	0.264	23.92	24.50	1.143	0.302	
	table 7	Left side				167300/836.5	1	1	0.13	0.157	23.92	24.50	1.143	0.179	
	table 7	Right side				167300/836.5	1	1	-0.19	0.149	23.92	24.50	1.143	0.170	
	table 7	Bottom side				167300/836.5	1	1	0.02	0.131	23.92	24.50	1.143	0.150	
	table 7	Back side				166800/834	1	1	-0.01	0.318	23.76	24.50	1.186	0.377	75#
	table 7	Back side				167800/839	1	1	0.02	0.262	23.83	24.50	1.167	0.306	
	table 7	Front side	10mm		15kHz	167300/836.5	50	28	-0.10	0.116	23.67	24.50	1.211	0.140	
	table 7	Back side				167300/836.5	50	28	0.14	0.244	23.67	24.50	1.211	0.295	
	table 7	Left side				167300/836.5	50	28	0.05	0.137	23.67	24.50	1.211	0.166	
	table 7	Right side				167300/836.5	50	28	-0.13	0.139	23.67	24.50	1.211	0.168	
	table 7	Bottom side				167300/836.5	50	28	0.06	0.121	23.67	24.50	1.211	0.146	
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.23 NR n12 (15MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head														
	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	15kHz	141500/707.5	1	1	0.02	0.127	23.70	24.50	1.202	0.153	
	table 2	Left tilt				141500/707.5	1	1	0.20	0.088	23.70	24.50	1.202	0.106	
	table 2	Right cheek				141500/707.5	1	1	-0.15	0.125	23.70	24.50	1.202	0.150	
	table 2	Right tilt				141500/707.5	1	1	0.02	0.087	23.70	24.50	1.202	0.105	
	table 2	Left cheek				141300/706.5	1	1	-0.06	0.155	23.58	24.50	1.236	0.192	76#
	table 2	Left cheek				141700/708.5	1	1	0.04	0.126	23.58	24.50	1.236	0.156	
	table 2	Left cheek	0mm		15kHz	141500/707.5	36	22	-0.02	0.107	23.51	24.50	1.256	0.134	
	table 2	Left tilt				141500/707.5	36	22	0.01	0.078	23.51	24.50	1.256	0.098	
	table 2	Right cheek				141500/707.5	36	22	-0.11	0.115	23.51	24.50	1.256	0.144	
	table 2	Right tilt				141500/707.5	36	22	-0.02	0.067	23.51	24.50	1.256	0.084	
	Body-worn														
	Table 3	Front side	15mm	DFT-s-OFDM QPSK	15kHz	141500/707.5	1	1	-0.16	0.154	23.70	24.50	1.202	0.185	
	Table 3	Back side				141500/707.5	1	1	0.14	0.254	23.70	24.50	1.202	0.305	
	Table 3	Back side				141300/706.5	1	1	-0.19	0.283	23.58	24.50	1.236	0.350	77#
	Table 3	Back side				141700/708.5	1	1	0.12	0.250	23.58	24.50	1.236	0.309	
	Table 3	Front side	15mm		15kHz	141500/707.5	36	22	-0.12	0.144	23.51	24.50	1.256	0.181	
	Table 3	Back side				141500/707.5	36	22	-0.01	0.244	23.51	24.50	1.256	0.306	
	Hotspot														
	table 7	Front side	10mm	DFT-s-OFDM QPSK	15kHz	141500/707.5	1	1	-0.04	0.130	23.70	24.50	1.202	0.156	
	table 7	Back side				141500/707.5	1	1	0.12	0.297	23.70	24.50	1.202	0.357	
	table 7	Left side				141500/707.5	1	1	-0.10	0.191	23.70	24.50	1.202	0.230	
	table 7	Right side				141500/707.5	1	1	0.13	0.208	23.70	24.50	1.202	0.250	
	table 7	Bottom side				141500/707.5	1	1	0.12	0.062	23.70	24.50	1.202	0.075	
	table 7	Back side				141300/706.5	1	1	-0.19	0.340	23.58	24.50	1.236	0.420	78#
	table 7	Back side				141700/708.5	1	1	-0.07	0.240	23.58	24.50	1.236	0.297	
	table 7	Front side	10mm		15kHz	141500/707.5	36	22	-0.09	0.110	23.51	24.50	1.256	0.138	
	table 7	Back side				141500/707.5	36	22	-0.20	0.287	23.51	24.50	1.256	0.360	
	table 7	Left side				141500/707.5	36	22	-0.17	0.181	23.51	24.50	1.256	0.227	
	table 7	Right side				141500/707.5	36	22	-0.20	0.188	23.51	24.50	1.256	0.236	
	table 7	Bottom side				141500/707.5	36	22	-0.05	0.052	23.51	24.50	1.256	0.065	
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.24 NR n25 (20MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head														
	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	15kHz	376500/1882.5	1	1	0.01	0.288	23.87	24.50	1.156	0.333	
	table 2	Left tilt				376500/1882.5	1	1	0.09	0.137	23.87	24.50	1.156	0.158	
	table 2	Right cheek				376500/1882.5	1	1	-0.08	0.215	23.87	24.50	1.156	0.249	
	table 2	Right tilt				376500/1882.5	1	1	-0.11	0.117	23.87	24.50	1.156	0.135	
	table 2	Left cheek				372000/1860	1	1	-0.08	0.290	23.76	24.50	1.186	0.344	
	table 2	Left cheek				381000/1905	1	1	0.03	0.298	23.86	24.50	1.159	0.345	79#
	table 2	Left cheek	0mm		15kHz	376500/1882.5	50	28	0.08	0.246	23.82	24.50	1.169	0.288	
	table 2	Left tilt				376500/1882.5	50	28	-0.09	0.127	23.82	24.50	1.169	0.149	
	table 2	Right cheek				376500/1882.5	50	28	0.06	0.195	23.82	24.50	1.169	0.228	
	table 2	Right tilt				376500/1882.5	50	28	0.09	0.097	23.82	24.50	1.169	0.113	
	Body-worn														
	Table 3	Front side	15mm	DFT-s-OFDM QPSK	15kHz	376500/1882.5	1	1	0.14	0.098	20.96	21.50	1.132	0.111	
	Table 3	Back side				376500/1882.5	1	1	-0.18	0.213	20.96	21.50	1.132	0.241	
	Table 3	Back side				372000/1860	1	1	-0.03	0.304	20.69	21.50	1.205	0.366	80#
	Table 3	Back side				381000/1905	1	1	0.06	0.187	20.92	21.50	1.143	0.214	
	Table 3	Front side	15mm		15kHz	376500/1882.5	50	28	0.15	0.078	20.81	21.50	1.172	0.091	
	Table 3	Back side				376500/1882.5	50	28	-0.15	0.193	20.81	21.50	1.172	0.226	
	Hotspot														
	table 7	Front side	10mm	DFT-s-OFDM QPSK	15kHz	376500/1882.5	1	1	-0.07	0.128	18.92	19.50	1.143	0.146	
	table 7	Back side				376500/1882.5	1	1	-0.11	0.281	18.92	19.50	1.143	0.321	
	table 7	Left side				376500/1882.5	1	1	0.09	0.084	18.92	19.50	1.143	0.096	
	table 7	Right side				376500/1882.5	1	1	-0.10	0.048	18.92	19.50	1.143	0.055	
	table 7	Bottom side				376500/1882.5	1	1	-0.09	0.341	18.92	19.50	1.143	0.390	
	table 7	Bottom side				372000/1860	1	1	-0.09	0.408	18.89	19.50	1.151	0.470	81#
	table 7	Bottom side				381000/1905	1	1	0.09	0.355	18.88	19.50	1.153	0.409	
	table 7	Front side	10mm		15kHz	376500/1882.5	50	28	0.07	0.108	18.84	19.50	1.164	0.126	
	table 7	Back side				376500/1882.5	50	28	0.01	0.261	18.84	19.50	1.164	0.304	
	table 7	Left side				376500/1882.5	50	28	0.01	0.074	18.84	19.50	1.164	0.086	
	table 7	Right side				376500/1882.5	50	28	0.17	0.028	18.84	19.50	1.164	0.033	
	table 7	Bottom side				376500/1882.5	50	28	0.04	0.321	18.84	19.50	1.164	0.374	
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Note: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific														
	table 3	Bottom side	0mm	DFT-s-	15kHz	376500/1882.5	1	1	-0.19	0.532	20.96	21.50	1.132	0.602	
	table 3	Bottom side		OFDM		372000/1860	1	1	0.16	0.574	20.69	21.50	1.205	0.692	82#
	table 3	Bottom side		QPSK		381000/1905	1	1	0.06	0.490	20.92	21.50	1.143	0.560	

10.25 NR n30 (10MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head														
	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	15kHz	462000/2310	1	1	-0.16	0.038	23.81	24.50	1.172	0.045	
	table 2	Left tilt				462000/2310	1	1	0.00	0.015	23.81	24.50	1.172	0.018	
	table 2	Right cheek				462000/2310	1	1	-0.15	0.070	23.81	24.50	1.172	0.082	83#
	table 2	Right tilt				462000/2310	1	1	0.00	0.024	23.81	24.50	1.172	0.028	
	table 2	Left cheek	0mm		15kHz	462000/2310	25	14	-0.20	0.020	23.46	24.50	1.271	0.025	
	table 2	Left tilt				462000/2310	25	14	0.00	0.011	23.46	24.50	1.271	0.014	
	table 2	Right cheek				462000/2310	25	14	0.00	0.050	23.46	24.50	1.271	0.064	
	table 2	Right tilt				462000/2310	25	14	0.09	0.020	23.46	24.50	1.271	0.025	
	Body-worn														
	Table 3	Front side	15mm	DFT-s-OFDM QPSK	15kHz	462000/2310	1	1	-0.15	0.062	20.90	21.50	1.148	0.071	
	Table 3	Back side				462000/2310	1	1	-0.13	0.274	20.90	21.50	1.148	0.315	84#
	Table 3	Front side	15mm		15kHz	462000/2310	25	14	-0.11	0.042	20.46	21.50	1.271	0.053	
	Table 3	Back side				462000/2310	25	14	-0.10	0.242	20.46	21.50	1.271	0.307	
	Hotspot														
	table 7	Front side	10mm	DFT-s-OFDM QPSK	15kHz	462000/2310	1	1	0.04	0.075	18.24	19.00	1.191	0.089	
	table 7	Back side				462000/2310	1	1	-0.17	0.384	18.24	19.00	1.191	0.457	85#
	table 7	Left side				462000/2310	1	1	0.00	0.012	18.24	19.00	1.191	0.014	
	table 7	Right side				462000/2310	1	1	-0.17	0.052	18.24	19.00	1.191	0.062	
	table 7	Bottom side				462000/2310	1	1	0.14	0.213	18.24	19.00	1.191	0.254	
	table 7	Front side	10mm		15kHz	462000/2310	25	14	-0.14	0.055	17.98	19.00	1.265	0.070	
	table 7	Back side				462000/2310	25	14	-0.13	0.342	17.98	19.00	1.265	0.433	
	table 7	Left side				462000/2310	25	14	0.00	0.008	17.98	19.00	1.265	0.010	
	table 7	Right side				462000/2310	25	14	-0.11	0.032	17.98	19.00	1.265	0.040	
	table 7	Bottom side				462000/2310	25	14	0.19	0.203	17.98	19.00	1.265	0.257	
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific														
	table 3	Back side	0mm	DFT-s-OFDM QPSK	15kHz	462000/2310	1	1	-0.09	0.783	20.90	21.50	1.148	0.899	86#

10.26 NR n38 (40MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No	
0	Head															
	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	30kHz	519000/2595	1	1	0.07	0.114	23.96	24.50	1.132	0.129	87#	
	table 2	Left tilt				519000/2595	1	1	-0.03	0.069	23.96	24.50	1.132	0.078		
	table 2	Right cheek				519000/2595	1	1	0.07	0.086	23.96	24.50	1.132	0.097		
	table 2	Right tilt				519000/2595	1	1	-0.01	0.041	23.96	24.50	1.132	0.046		
	table 2	Left cheek				518004/2590.02	1	1	0.13	0.111	23.89	24.50	1.151	0.128		
	table 2	Left cheek				519996/2599.98	1	1	0.08	0.105	23.92	24.50	1.143	0.120		
	table 2	Left cheek	0mm		30kHz	519000/2595	50	28	0.06	0.099	23.82	24.50	1.169	0.116		
	table 2	Left tilt				519000/2595	50	28	-0.18	0.059	23.82	24.50	1.169	0.069		
	table 2	Right cheek				519000/2595	50	28	-0.07	0.066	23.82	24.50	1.169	0.077		
	table 2	Right tilt				519000/2595	50	28	0.07	0.021	23.82	24.50	1.169	0.025		
	Body-worn															
	Table 3	Front side	15mm		DFT-s-OFDM QPSK	30kHz	519000/2595	1	1	0.18	0.094	23.96	24.50	1.132	0.106	
	Table 3	Back side		519000/2595			1	1	-0.07	0.517	23.96	24.50	1.132	0.585	88#	
	Table 3	Back side		518004/2590.02			1	1	-0.02	0.455	23.89	24.50	1.151	0.524		
	Table 3	Back side		519996/2599.98			1	1	0.04	0.480	23.92	24.50	1.143	0.549		
	Table 3	Front side	15mm	30kHz		519000/2595	50	28	-0.05	0.043	23.82	24.50	1.169	0.050		
	Table 3	Back side				519000/2595	50	28	0.14	0.088	23.82	24.50	1.169	0.103		
	Hotspot															
	table 7	Front side	10mm	DFT-s-OFDM QPSK		30kHz	519000/2595	1	1	-0.09	0.152	23.96	24.50	1.132	0.172	
	table 7	Back side			519000/2595		1	1	0.01	0.746	23.96	24.50	1.132	0.845	89#	
	table 7	Left side			519000/2595		1	1	0.16	0.092	23.96	24.50	1.132	0.104		
	table 7	Right side			519000/2595		1	1	-0.18	0.133	23.96	24.50	1.132	0.151		
	table 7	Bottom side			519000/2595		1	1	0.20	0.521	23.96	24.50	1.132	0.590		
	table 7	Back side			518004/2590.02		1	1	-0.17	0.721	23.89	24.50	1.151	0.830		
	table 7	Back side			519996/2599.98		1	1	-0.12	0.704	23.92	24.50	1.143	0.805		
	table 7	Front side	10mm		30kHz	519000/2595	50	28	-0.14	0.142	23.82	24.50	1.169	0.166		
	table 7	Back side				519000/2595	50	28	-0.03	0.715	23.82	24.50	1.169	0.836		
	table 7	Left side				519000/2595	50	28	0.09	0.082	23.82	24.50	1.169	0.096		
	table 7	Right side				519000/2595	50	28	0.19	0.123	23.82	24.50	1.169	0.144		
	table 7	Bottom side				519000/2595	50	28	-0.01	0.501	23.82	24.50	1.169	0.586		
	table 7	Back side				519000/2595	100	0	-0.20	0.596	22.81	23.50	1.172	0.699		
	Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.27 NR n41 (100MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
Head															
0	table 2	Left cheek	0mm	DFT-s- OFDM QPSK	30kHz	518598/2592.99	1	1	-0.19	0.093	25.10	26.00	1.230	0.114	90#
	table 2	Left tilt				518598/2592.99	1	1	0.16	0.070	25.10	26.00	1.230	0.086	
	table 2	Right cheek				518598/2592.99	1	1	0.06	0.083	25.10	26.00	1.230	0.102	
	table 2	Right tilt				518598/2592.99	1	1	0.09	0.067	25.10	26.00	1.230	0.082	
	table 2	Left cheek				509202/2546.01	1	1	0.16	0.073	24.99	26.00	1.262	0.092	
	table 2	Left cheek				528000/2640	1	1	-0.13	0.063	25.06	26.00	1.242	0.078	
	table 2	Left cheek	0mm		30kHz	518598/2592.99	135	69	0.19	0.073	24.95	26.00	1.274	0.093	
	table 2	Left tilt				518598/2592.99	135	69	-0.15	0.067	24.95	26.00	1.274	0.085	
	table 2	Right cheek				518598/2592.99	135	69	-0.01	0.080	24.95	26.00	1.274	0.102	
	table 2	Right tilt				518598/2592.99	135	69	0.19	0.056	24.95	26.00	1.274	0.071	
2	table 2	Left cheek	0mm	DFT-s- OFDM QPSK	30kHz	518598/2592.99	1	1	-0.14	0.020	25.04	26.00	1.247	0.025	
	table 2	Left tilt				518598/2592.99	1	1	0.00	0.010	25.04	26.00	1.247	0.012	
	table 2	Right cheek				518598/2592.99	1	1	-0.14	0.015	25.04	26.00	1.247	0.019	
	table 2	Right tilt				518598/2592.99	1	1	0.00	0.007	25.04	26.00	1.247	0.009	
	table 2	Left cheek	0mm		30kHz	518598/2592.99	135	69	0.12	0.018	24.90	26.00	1.288	0.023	
	table 2	Left tilt				518598/2592.99	135	69	0.00	0.006	24.90	26.00	1.288	0.008	
	table 2	Right cheek				518598/2592.99	135	69	0.12	0.011	24.90	26.00	1.288	0.014	
	table 2	Right tilt				518598/2592.99	135	69	0.00	0.005	24.90	26.00	1.288	0.006	
Body-worn															
0	Table 3	Front side	15mm	DFT-s- OFDM QPSK	30kHz	518598/2592.99	1	1	0.00	0.009	21.03	22.00	1.250	0.011	
	Table 3	Back side				518598/2592.99	1	1	0.16	0.137	21.03	22.00	1.250	0.171	
	Table 3	Back side				509202/2546.01	1	1	-0.08	0.200	20.93	22.00	1.279	0.256	
	Table 3	Back side				528000/2640	1	1	-0.14	0.132	21.03	22.00	1.250	0.165	
	Table 3	Front side	15mm		30kHz	518598/2592.99	135	69	0.00	0.005	20.92	22.00	1.282	0.006	
	Table 3	Back side				518598/2592.99	135	69	-0.02	0.047	20.92	22.00	1.282	0.060	
2	Table 3	Front side	15mm	DFT-s- OFDM QPSK	30kHz	518598/2592.99	1	1	0.06	0.038	25.04	26.00	1.247	0.047	
	Table 3	Back side				518598/2592.99	1	1	-0.02	0.228	25.04	26.00	1.247	0.284	91#
	Table 3	Back side				509202/2546.01	1	1	0.01	0.159	25.04	26.00	1.247	0.198	
	Table 3	Back side				528000/2640	1	1	-0.14	0.144	25.04	26.00	1.247	0.180	
	Table 3	Front side	15mm		30kHz	518598/2592.99	135	69	0.00	0.008	24.90	26.00	1.288	0.010	
	Table 3	Back side				518598/2592.99	135	69	-0.08	0.144	24.90	26.00	1.288	0.186	
Hotspot															
0	table 7	Front side	10mm	DFT-s- OFDM QPSK	30kHz	518598/2592.99	1	1	0.05	0.050	18.07	19.00	1.239	0.062	
	table 7	Back side				518598/2592.99	1	1	-0.14	0.278	18.07	19.00	1.239	0.344	
	table 7	Left side				518598/2592.99	1	1	0.00	0.012	18.07	19.00	1.239	0.015	
	table 7	Right side				518598/2592.99	1	1	0.00	0.011	18.07	19.00	1.239	0.014	

2	table 7	Bottom side	10mm	DFT-s-OFDM QPSK	30kHz	518598/2592.99	1	1	-0.04	0.155	18.07	19.00	1.239	0.192	
	table 7	Back side				509202/2546.01	1	1	-0.10	0.500	17.97	19.00	1.268	0.634	92#
	table 7	Back side				528000/2640	1	1	0.13	0.296	18.00	19.00	1.259	0.373	
	table 7	Front side	10mm		30kHz	518598/2592.99	135	69	0.00	0.010	17.93	19.00	1.279	0.013	
	table 7	Back side				518598/2592.99	135	69	0.05	0.248	17.93	19.00	1.279	0.317	
	table 7	Left side				518598/2592.99	135	69	0.00	0.010	17.93	19.00	1.279	0.013	
	table 7	Right side				518598/2592.99	135	69	0.00	0.007	17.93	19.00	1.279	0.009	
	table 7	Bottom side				518598/2592.99	135	69	0.15	0.115	17.93	19.00	1.279	0.147	
	table 7	Front side	10mm		DFT-s-OFDM QPSK	30kHz	518598/2592.99	1	1	-0.11	0.046	25.04	26.00	1.247	0.057
	table 7	Back side		518598/2592.99			1	1	-0.18	0.288	25.04	26.00	1.247	0.359	
	table 7	Right side		518598/2592.99			1	1	-0.05	0.314	25.04	26.00	1.247	0.392	
	table 7	Right side		509202/2546.01			1	1	0.12	0.426	25.04	26.00	1.247	0.531	
	table 7	Right side		528000/2640			1	1	-0.06	0.280	25.04	26.00	1.247	0.349	
	table 7	Front side	10mm	DFT-s-OFDM QPSK	30kHz	518598/2592.99	135	69	0.03	0.034	24.90	26.00	1.288	0.044	
	table 7	Back side				518598/2592.99	135	69	0.16	0.268	24.90	26.00	1.288	0.345	
	table 7	Right side				518598/2592.99	135	69	0.12	0.304	24.90	26.00	1.288	0.392	

Note: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific														
	Table 3	Back side	0mm	DFT-s-OFDM	30kHz	518598/2592.99	1	1	-0.11	0.483	21.03	22.00	1.250	0.604	
	Table 3	Back side		OFDM		509202/2546.01	1	1	0.04	0.765	20.93	22.00	1.279	0.979	93#
	Table 3	Back side		QPSK		528000/2640	1	1	-0.17	0.542	21.03	22.00	1.250	0.678	

10.28 NR n66 (20MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head														
	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	15kHz	349000/1745	1	1	-0.06	0.074	23.97	24.50	1.130	0.084	
	table 2	Left tilt				349000/1745	1	1	0.04	0.013	23.97	24.50	1.130	0.015	
	table 2	Right cheek				349000/1745	1	1	0.19	0.068	23.97	24.50	1.130	0.077	
	table 2	Right tilt				349000/1745	1	1	-0.12	0.010	23.97	24.50	1.130	0.011	
	table 2	Left cheek				344000/1720	1	1	0.14	0.078	23.91	24.50	1.146	0.089	
	table 2	Left cheek				354000/1770	1	1	0.03	0.162	23.87	24.50	1.156	0.187	94#
	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	15kHz	349000/1745	50	28	0.10	0.064	23.86	24.50	1.159	0.074	
	table 2	Left tilt				349000/1745	50	28	0.19	0.010	23.86	24.50	1.159	0.012	
	table 2	Right cheek				349000/1745	50	28	0.02	0.048	23.86	24.50	1.159	0.056	
	table 2	Right tilt				349000/1745	50	28	-0.14	0.007	23.86	24.50	1.159	0.008	
	Body-worn														
	Table 3	Front side	15mm	DFT-s-OFDM QPSK	15kHz	349000/1745	1	1	-0.17	0.016	15.03	15.50	1.114	0.018	
	Table 3	Back side				349000/1745	1	1	-0.05	0.247	15.03	15.50	1.114	0.275	
	Table 3	Back side				344000/1720	1	1	-0.09	0.267	14.86	15.50	1.159	0.309	95#
	Table 3	Back side				354000/1770	1	1	-0.17	0.237	14.93	15.50	1.140	0.270	
	Table 3	Front side	15mm	DFT-s-OFDM QPSK	15kHz	349000/1745	50	28	0.04	0.012	14.75	15.50	1.189	0.014	
	Table 3	Back side				349000/1745	50	28	0.01	0.222	14.75	15.50	1.189	0.264	
	Hotspot														
	table 7	Front side	10mm	DFT-s-OFDM QPSK	15kHz	349000/1745	1	1	0.09	0.021	13.58	14.00	1.102	0.023	
	table 7	Back side				349000/1745	1	1	0.05	0.258	13.58	14.00	1.102	0.284	
	table 7	Left side				349000/1745	1	1	-0.03	0.015	13.58	14.00	1.102	0.017	
	table 7	Right side				349000/1745	1	1	-0.19	0.011	13.58	14.00	1.102	0.012	
	table 7	Bottom side				349000/1745	1	1	-0.07	0.246	13.58	14.00	1.102	0.271	
	table 7	Back side				344000/1720	1	1	0.12	0.397	13.31	14.00	1.172	0.465	96#
	table 7	Back side				354000/1770	1	1	-0.11	0.332	13.57	14.00	1.104	0.367	
	table 7	Front side	10mm	DFT-s-OFDM QPSK	15kHz	349000/1745	50	28	0.06	0.017	13.53	14.00	1.114	0.019	
	table 7	Back side				349000/1745	50	28	0.13	0.195	13.53	14.00	1.114	0.217	
	table 7	Left side				349000/1745	50	28	-0.04	0.013	13.53	14.00	1.114	0.014	
	table 7	Right side				349000/1745	50	28	-0.19	0.010	13.53	14.00	1.114	0.011	
	table 7	Bottom side				349000/1745	50	28	0.15	0.221	13.53	14.00	1.114	0.246	
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
0	Specific														
	Table 3	Back side	0mm	DFT-s- OFDM QPSK	15kHz	349000/1745	1	1	-0.05	0.654	15.03	15.50	1.114	0.729	
	Table 3	Bottom side				349000/1745	1	1	0.12	0.615	15.03	15.50	1.114	0.685	
	Table 3	Back side				344000/1720	1	1	0.13	0.839	14.86	15.50	1.159	0.972	97#
	Table 3	Back side				354000/1770	1	1	-0.15	0.783	14.93	15.50	1.140	0.893	

10.29 NR n71 (20MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
0	Head														
	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	15kHz	136100/680.5	1	1	-0.15	0.114	23.78	24.50	1.180	0.135	
	table 2	Left tilt				136100/680.5	1	1	0.03	0.080	23.78	24.50	1.180	0.094	
	table 2	Right cheek				136100/680.5	1	1	0.10	0.111	23.78	24.50	1.180	0.131	
	table 2	Right tilt				136100/680.5	1	1	0.16	0.073	23.78	24.50	1.180	0.086	
	table 2	Left cheek				134600/673	1	1	-0.09	0.145	23.74	24.50	1.191	0.173	98#
	table 2	Left cheek				137600/688	1	1	-0.16	0.103	23.61	24.50	1.227	0.126	
	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	15kHz	136100/680.5	50	28	0.05	0.094	23.61	24.50	1.227	0.115	
	table 2	Left tilt				136100/680.5	50	28	0.06	0.070	23.61	24.50	1.227	0.086	
	table 2	Right cheek				136100/680.5	50	28	-0.17	0.091	23.61	24.50	1.227	0.112	
	table 2	Right tilt				136100/680.5	50	28	0.20	0.053	23.61	24.50	1.227	0.065	
	Body-worn														
	Table 3	Front side	15mm	DFT-s-OFDM QPSK	15kHz	136100/680.5	1	1	-0.03	0.140	23.78	24.50	1.180	0.165	
	Table 3	Back side				136100/680.5	1	1	0.01	0.248	23.78	24.50	1.180	0.293	
	Table 3	Back side				134600/673	1	1	0.16	0.275	23.74	24.50	1.191	0.328	99#
	Table 3	Back side				137600/688	1	1	0.16	0.223	23.61	24.50	1.227	0.274	
	Table 3	Front side	15mm		15kHz	136100/680.5	50	28	-0.12	0.130	23.61	24.50	1.227	0.160	
	Table 3	Back side				136100/680.5	50	28	-0.02	0.228	23.61	24.50	1.227	0.280	
	Hotspot														
	table 7	Front side	10mm	DFT-s-OFDM QPSK	15kHz	136100/680.5	1	1	-0.14	0.114	23.78	24.50	1.180	0.135	
	table 7	Back side				136100/680.5	1	1	0.07	0.273	23.78	24.50	1.180	0.322	
	table 7	Left side				136100/680.5	1	1	0.01	0.189	23.78	24.50	1.180	0.223	
	table 7	Right side				136100/680.5	1	1	0.01	0.223	23.78	24.50	1.180	0.263	
	table 7	Bottom side				136100/680.5	1	1	-0.17	0.056	23.78	24.50	1.180	0.066	

	table 7	Back side				134600/673	1	1	0.07	0.336	23.74	24.50	1.191	0.400	100#
	table 7	Back side				137600/688	1	1	0.06	0.240	23.61	24.50	1.227	0.295	
	table 7	Front side	10mm	DFT-s-OFDM	15kHz	136100/680.5	50	28	0.20	0.104	23.61	24.50	1.227	0.128	
	table 7	Back side				136100/680.5	50	28	0.04	0.263	23.61	24.50	1.227	0.323	
	table 7	Left side				136100/680.5	50	28	0.19	0.169	23.61	24.50	1.227	0.207	
	table 7	Right side				136100/680.5	50	28	-0.16	0.203	23.61	24.50	1.227	0.249	
	table 7	Bottom side				136100/680.5	50	28	0.07	0.036	23.61	24.50	1.227	0.044	
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.30 NR n77 (100MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
Head															
1	table 2	Left cheek	0mm	DFT-s- OFDM QPSK	30kHz	633334/3500.01	1	1	-0.17	0.269	19.24	20.00	1.191	0.320	
	table 2	Left tilt				633334/3500.01	1	1	-0.05	0.086	19.24	20.00	1.191	0.102	
	table 2	Right cheek				633334/3500.01	1	1	-0.02	0.320	19.24	20.00	1.191	0.381	
	table 2	Right tilt				633334/3500.01	1	1	-0.10	0.043	19.24	20.00	1.191	0.051	
	table 2	Left cheek				633334/3500.01	135	69	0.06	0.259	19.13	20.00	1.222	0.316	
	table 2	Left tilt				633334/3500.01	135	69	-0.09	0.076	19.13	20.00	1.222	0.093	
	table 2	Right cheek				633334/3500.01	135	69	0.16	0.310	19.13	20.00	1.222	0.379	
	table 2	Right tilt				633334/3500.01	135	69	0.12	0.033	19.13	20.00	1.222	0.040	
	table 2	Left cheek	0mm	DFT-s- OFDM BPSK	30kHz	656000/3840	1	1	0.05	0.420	19.16	20.00	1.213	0.510	
	table 2	Left tilt				656000/3840	1	1	0.07	0.171	19.16	20.00	1.213	0.207	
	table 2	Right cheek				656000/3840	1	1	-0.13	0.440	19.16	20.00	1.213	0.534	
	table 2	Right tilt				656000/3840	1	1	0.11	0.086	19.16	20.00	1.213	0.104	
	table 2	Left cheek			30kHz	656000/3840	135	69	0.20	0.410	19.09	20.00	1.233	0.506	
	table 2	Left tilt				656000/3840	135	69	0.04	0.151	19.09	20.00	1.233	0.186	
	table 2	Right cheek				656000/3840	135	69	0.07	0.410	19.09	20.00	1.233	0.506	
	table 2	Right tilt				656000/3840	135	69	-0.15	0.066	19.09	20.00	1.233	0.081	
4	table 2	Left cheek	0mm	DFT-s- OFDM QPSK	30kHz	633334/3500.01	1	1	-0.01	0.369	19.18	20.00	1.208	0.446	
	table 2	Left tilt				633334/3500.01	1	1	-0.17	0.468	19.18	20.00	1.208	0.565	
	table 2	Right cheek				633334/3500.01	1	1	-0.11	0.371	19.18	20.00	1.208	0.448	
	table 2	Right tilt				633334/3500.01	1	1	0.18	0.331	19.18	20.00	1.208	0.400	
	table 2	Left cheek			30kHz	633334/3500.01	135	69	0.19	0.217	19.14	20.00	1.219	0.265	
	table 2	Left tilt				633334/3500.01	135	69	0.11	0.331	19.14	20.00	1.219	0.403	
	table 2	Right cheek				633334/3500.01	135	69	-0.14	0.281	19.14	20.00	1.219	0.343	
	table 2	Right tilt				633334/3500.01	135	69	0.12	0.392	19.14	20.00	1.219	0.478	
	table 2	Left cheek	0mm	DFT-s- OFDM BPSK	30kHz	656000/3840	1	1	0.05	0.382	19.32	20.00	1.169	0.447	
	table 2	Left tilt				656000/3840	1	1	0.17	0.456	19.32	20.00	1.169	0.533	
	table 2	Right cheek				656000/3840	1	1	-0.20	0.438	19.32	20.00	1.169	0.512	
	table 2	Left tilt				656000/3840	1	1	0.07	0.580	19.32	20.00	1.169	0.678	101#
	table 2	Right cheek				650000/3750	1	1	0.18	0.546	19.08	20.00	1.236	0.675	
	table 2	Right tilt				662000/3930	1	1	0.11	0.465	19.12	20.00	1.225	0.569	
	table 2	Left cheek			30kHz	656000/3840	135	69	0.01	0.372	19.12	20.00	1.225	0.456	
	table 2	Left tilt				656000/3840	135	69	0.05	0.446	19.12	20.00	1.225	0.546	
	table 2	Right cheek				656000/3840	135	69	0.10	0.418	19.12	20.00	1.225	0.512	
	table 2	Right tilt				656000/3840	135	69	-0.01	0.454	19.12	20.00	1.225	0.556	

Body-worn															
1	table 3	Front side	15mm	DFT-s-OFDM QPSK	30kHz	633334/3500.01	1	1	-0.10	0.074	18.21	19.00	1.199	0.089	
	table 3	Back side				633334/3500.01	1	1	-0.12	0.195	18.21	19.00	1.199	0.234	
	table 3	Front side				633334/3500.01	135	69	-0.19	0.055	18.20	19.00	1.202	0.066	
	table 3	Back side				633334/3500.01	135	69	0.04	0.136	18.20	19.00	1.202	0.164	
	table 3	Front side	15mm	DFT-s-OFDM BPSK		656000/3840	1	1	-0.04	0.098	18.25	19.00	1.189	0.116	
	table 3	Back side				656000/3840	1	1	0.12	0.363	18.25	19.00	1.189	0.431	102#
	table 3	Front side				650000/3750	1	1	0.10	0.338	18.13	19.00	1.222	0.413	
	table 3	Back side				662000/3930	1	1	0.17	0.302	18.18	19.00	1.208	0.365	
	table 3	Front side				656000/3840	135	69	-0.20	0.081	18.18	19.00	1.208	0.098	
	table 3	Back side				656000/3840	135	69	-0.18	0.350	18.18	19.00	1.208	0.423	
	4	table 3	Front side	15mm		DFT-s-OFDM QPSK	30kHz	633334/3500.01	1	1	-0.11	0.070	15.23	16.00	1.194
table 3		Back side	633334/3500.01		1			1	0.15	0.186	15.23	16.00	1.194	0.222	
table 3		Front side	633334/3500.01		135			69	-0.18	0.050	15.15	16.00	1.216	0.061	
table 3		Back side	633334/3500.01		135			69	-0.08	0.134	15.15	16.00	1.216	0.163	
table 3		Front side	15mm	DFT-s-OFDM BPSK	656000/3840	1		1	-0.18	0.041	15.26	16.00	1.186	0.049	
table 3		Back side			656000/3840	1		1	0.08	0.220	15.26	16.00	1.186	0.261	
table 3		Front side			656000/3840	135		69	0.09	0.035	15.18	16.00	1.208	0.042	
table 3		Back side			656000/3840	135		69	-0.05	0.210	15.18	16.00	1.208	0.254	
Hotspot															
1	table 7	Front side	10mm	DFT-s-OFDM QPSK	30kHz	633334/3500.01	1	1	0.14	0.056	15.26	16.00	1.186	0.066	
	table 7	Back side				633334/3500.01	1	1	0.00	0.390	15.26	16.00	1.186	0.462	
	table 7	Right side				633334/3500.01	1	1	-0.16	0.318	15.26	16.00	1.186	0.377	
	table 7	Front side				633334/3500.01	135	69	-0.04	0.048	15.14	16.00	1.219	0.059	
	table 7	Back side				633334/3500.01	135	69	0.04	0.302	15.14	16.00	1.219	0.368	
	table 7	Right side				633334/3500.01	135	69	-0.07	0.274	15.14	16.00	1.219	0.334	
	table 7	Front side	10mm	DFT-s-OFDM BPSK	30kHz	656000/3840	1	1	-0.01	0.158	15.28	16.00	1.180	0.186	
	table 7	Back side				656000/3840	1	1	0.12	0.419	15.28	16.00	1.180	0.495	103#
	table 7	Right side				656000/3840	1	1	0.02	0.367	15.28	16.00	1.180	0.433	
	table 7	Back side				650000/3750	1	1	0.09	0.402	15.16	16.00	1.213	0.488	
	table 7	Back side				662000/3930	1	1	-0.05	0.397	15.21	16.00	1.199	0.476	
	table 7	Front side				656000/3840	135	69	0.19	0.134	15.19	16.00	1.205	0.161	
	table 7	Back side				656000/3840	135	69	-0.07	0.408	15.19	16.00	1.205	0.492	
	table 7	Right side				656000/3840	135	69	0.04	0.355	15.19	16.00	1.205	0.428	
4	table 7	Front side	10mm	DFT-s-OFDM QPSK	30kHz	633334/3500.01	1	1	0.06	0.027	12.25	13.00	1.189	0.032	
	table 7	Back side				633334/3500.01	1	1	0.11	0.344	12.25	13.00	1.189	0.409	
	table 7	Left side				633334/3500.01	1	1	-0.03	0.038	12.25	13.00	1.189	0.045	
	table 7	Top side				633334/3500.01	1	1	0.09	0.242	12.25	13.00	1.189	0.288	
	table 7	Front side				633334/3500.01	135	69	0.10	0.032	12.18	13.00	1.208	0.039	
	table 7	Back side				633334/3500.01	135	69	0.09	0.252	12.18	13.00	1.208	0.304	
	table 7	Left side				633334/3500.01	135	69	0.19	0.011	12.18	13.00	1.208	0.013	
	table 7	Top side				633334/3500.01	135	69	-0.09	0.168	12.18	13.00	1.208	0.203	
	table 7	Front side				10mm		30kHz	656000/3840	1	1	-0.19	0.020	12.35	13.00

	table 7	Back side	DFT-s-OFDM BPSK		656000/3840	1	1	-0.15	0.212	12.35	13.00	1.161	0.246	
	table 7	Left side			656000/3840	1	1	-0.18	0.015	12.35	13.00	1.161	0.017	
	table 7	Top side			656000/3840	1	1	-0.08	0.159	12.35	13.00	1.161	0.185	
	table 7	Front side			656000/3840	135	69	-0.12	0.016	12.16	13.00	1.213	0.019	
	table 7	Back side			656000/3840	135	69	0.06	0.202	12.16	13.00	1.213	0.245	
	table 7	Left side			656000/3840	135	69	-0.19	0.009	12.16	13.00	1.213	0.011	
	table 7	Top side			656000/3840	135	69	0.20	0.139	12.16	13.00	1.213	0.169	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
1	Specific														
	table 3	Back side	0mm	DFT-s-OFDM QPSK	30kHz	633334/3500.01	1	1	-0.11	0.523	18.21	19.00	1.199	0.627	
	table 3	Right side				633334/3500.01	1	1	0.04	0.368	18.21	19.00	1.199	0.441	
	table 3	Back side				656000/3840	1	1	-0.07	0.584	18.25	19.00	1.189	0.694	104#
	table 3	Right side				656000/3840	1	1	-0.19	0.415	18.25	19.00	1.189	0.493	
	table 3	Back side				650000/3750	1	1	0.11	0.565	18.13	19.00	1.222	0.690	
	table 3	Back side				662000/3930	1	1	-0.17	0.518	18.18	19.00	1.208	0.626	
4	table 3	Back side	0mm	DFT-s-OFDM QPSK	30kHz	633334/3500.01	1	1	-0.11	0.475	15.23	16.00	1.194	0.567	
	table 3	Top side				633334/3500.01	1	1	-0.15	0.303	15.23	16.00	1.194	0.362	
	table 3	Back side				656000/3840	1	1	-0.08	0.271	15.26	16.00	1.186	0.321	
	table 3	Top side				656000/3840	1	1	0.18	0.278	15.26	16.00	1.186	0.330	

10.31 NR n78 (100MHz Bandwidth)

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No
Head															
1	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	30kHz	633334/3500.01	1	1	0.11	0.070	19.25	20.00	1.189	0.083	
	table 2	Left tilt				633334/3500.01	1	1	0.00	0.038	19.25	20.00	1.189	0.045	
	table 2	Right cheek				633334/3500.01	1	1	-0.11	0.117	19.25	20.00	1.189	0.139	
	table 2	Right tilt				633334/3500.01	1	1	0.10	0.031	19.25	20.00	1.189	0.037	
	table 2	Left cheek				633334/3500.01	135	69	-0.13	0.035	19.09	20.00	1.233	0.043	
	table 2	Left tilt				633334/3500.01	135	69	0.19	0.019	19.09	20.00	1.233	0.023	
	table 2	Right cheek				633334/3500.01	135	69	-0.18	0.059	19.09	20.00	1.233	0.073	
	table 2	Right tilt				633334/3500.01	135	69	-0.04	0.016	19.09	20.00	1.233	0.020	
	table 2	Left cheek	0mm	DFT-s-OFDM BPSK	30kHz	650000/3750	1	1	0.09	0.231	19.07	20.00	1.239	0.286	
	table 2	Left tilt				650000/3750	1	1	-0.03	0.105	19.07	20.00	1.239	0.130	
	table 2	Right cheek				650000/3750	1	1	-0.18	0.442	19.07	20.00	1.239	0.548	
	table 2	Right tilt				650000/3750	1	1	0.04	0.179	19.07	20.00	1.239	0.222	
	table 2	Left cheek			30kHz	650000/3750	135	69	-0.04	0.201	19.05	20.00	1.245	0.250	
	table 2	Left tilt				650000/3750	135	69	0.15	0.089	19.05	20.00	1.245	0.111	
	table 2	Right cheek				650000/3750	135	69	-0.03	0.328	19.05	20.00	1.245	0.408	
	table 2	Right tilt				650000/3750	135	69	-0.15	0.126	19.05	20.00	1.245	0.157	
4	table 2	Left cheek	0mm	DFT-s-OFDM QPSK	30kHz	633334/3500.01	1	1	0.09	0.329	19.31	20.00	1.172	0.386	
	table 2	Left tilt				633334/3500.01	1	1	-0.08	0.439	19.31	20.00	1.172	0.515	
	table 2	Right cheek				633334/3500.01	1	1	0.08	0.374	19.31	20.00	1.172	0.438	
	table 2	Right tilt				633334/3500.01	1	1	-0.01	0.415	19.31	20.00	1.172	0.486	
	table 2	Left cheek			30kHz	633334/3500.01	135	69	-0.20	0.249	19.27	20.00	1.183	0.295	
	table 2	Left tilt				633334/3500.01	135	69	0.02	0.379	19.27	20.00	1.183	0.448	
	table 2	Right cheek				633334/3500.01	135	69	-0.17	0.304	19.27	20.00	1.183	0.360	
	table 2	Right tilt				633334/3500.01	135	69	-0.04	0.355	19.27	20.00	1.183	0.420	
	table 2	Left cheek	0mm	DFT-s-OFDM BPSK	30kHz	650000/3750	1	1	-0.10	0.459	19.19	20.00	1.205	0.553	
	table 2	Left tilt				650000/3750	1	1	-0.04	0.587	19.19	20.00	1.205	0.707	105#
	table 2	Right cheek				650000/3750	1	1	0.12	0.428	19.19	20.00	1.205	0.516	
	table 2	Right tilt				650000/3750	1	1	-0.04	0.525	19.19	20.00	1.205	0.633	
	table 2	Left cheek			30kHz	650000/3750	135	69	-0.06	0.371	18.94	20.00	1.276	0.474	
	table 2	Left tilt				650000/3750	135	69	0.15	0.432	18.94	20.00	1.276	0.551	
	table 2	Right cheek				650000/3750	135	69	0.05	0.362	18.94	20.00	1.276	0.462	
	table 2	Right tilt				650000/3750	135	69	-0.12	0.399	18.94	20.00	1.276	0.509	
Body-worn															
1	Table 3	Front side	15mm		30kHz	633334/3500.01	1	1	-0.09	0.069	18.34	19.00	1.164	0.080	

	Table 3	Back side		DFT-s-		633334/3500.01	1	1	0.12	0.189	18.34	19.00	1.164	0.220	
	Table 3	Front side		OFDM		633334/3500.01	135	69	0.11	0.045	18.28	19.00	1.180	0.053	
	Table 3	Back side		QPSK		633334/3500.01	135	69	-0.15	0.129	18.28	19.00	1.180	0.152	
	Table 3	Front side	15mm	DFT-s-		650000/3750	1	1	-0.07	0.132	18.17	19.00	1.211	0.160	
	Table 3	Back side		OFDM		650000/3750	1	1	-0.01	0.395	18.17	19.00	1.211	0.478	106#
	Table 3	Front side		BPSK		650000/3750	135	69	0.05	0.118	18.07	19.00	1.239	0.146	
	Table 3	Back side		650000/3750		135	69	0.03	0.377	18.07	19.00	1.239	0.467		
4	Table 3	Front side	15mm	DFT-s-	30kHz	633334/3500.01	1	1	0.18	0.016	15.34	16.00	1.164	0.019	
	Table 3	Back side		OFDM		633334/3500.01	1	1	-0.17	0.145	15.34	16.00	1.164	0.169	
	Table 3	Front side		QPSK		633334/3500.01	135	69	0.16	0.010	15.05	16.00	1.245	0.012	
	Table 3	Back side		633334/3500.01		135	69	0.09	0.105	15.05	16.00	1.245	0.131		
	Table 3	Front side	15mm	DFT-s-		650000/3750	1	1	-0.20	0.023	15.17	16.00	1.211	0.028	
	Table 3	Back side		OFDM		650000/3750	1	1	0.07	0.199	15.17	16.00	1.211	0.241	
	Table 3	Front side		BPSK		650000/3750	135	69	0.03	0.018	15.02	16.00	1.253	0.023	
	Table 3	Back side		650000/3750		135	69	-0.14	0.189	15.02	16.00	1.253	0.237		
Hotspot															
1	table 7	Front side	10mm	DFT-s-	30kHz	633334/3500.01	1	1	0.03	0.063	15.21	16.00	1.199	0.076	
	table 7	Back side		OFDM		633334/3500.01	1	1	0.15	0.387	15.21	16.00	1.199	0.464	107#
	table 7	Right side		QPSK		633334/3500.01	1	1	0.07	0.323	15.21	16.00	1.199	0.387	
	table 7	Front side		633334/3500.01		135	69	0.04	0.048	15.14	16.00	1.219	0.059		
	table 7	Back side		633334/3500.01		135	69	-0.13	0.308	15.14	16.00	1.219	0.375		
	table 7	Right side		633334/3500.01		135	69	0.09	0.283	15.14	16.00	1.219	0.345		
	table 7	Front side	10mm	DFT-s-	30kHz	650000/3750	1	1	0.11	0.070	15.28	16.00	1.180	0.083	
	table 7	Back side		OFDM		650000/3750	1	1	0.20	0.364	15.28	16.00	1.180	0.430	
	table 7	Right side		BPSK		650000/3750	1	1	0.13	0.315	15.28	16.00	1.180	0.372	
	table 7	Front side		650000/3750		135	69	0.16	0.050	15.19	16.00	1.205	0.060		
	table 7	Back side		650000/3750		135	69	0.05	0.324	15.19	16.00	1.205	0.390		
	table 7	Right side		650000/3750		135	69	0.00	0.296	15.19	16.00	1.205	0.357		
4	table 7	Front side	10mm	DFT-s-	30kHz	633334/3500.01	1	1	0.16	0.020	12.25	13.00	1.189	0.024	
	table 7	Back side		OFDM		633334/3500.01	1	1	0.10	0.337	12.25	13.00	1.189	0.401	
	table 7	Left side		QPSK		633334/3500.01	1	1	0.02	0.039	12.25	13.00	1.189	0.046	
	table 7	Top side		633334/3500.01		1	1	-0.01	0.234	12.25	13.00	1.189	0.278		
	table 7	Front side		633334/3500.01		135	69	0.02	0.016	12.18	13.00	1.208	0.019		
	table 7	Back side		633334/3500.01		135	69	0.07	0.257	12.18	13.00	1.208	0.310		
	table 7	Left side		633334/3500.01		135	69	-0.10	0.000	12.18	13.00	1.208	0.000		
	table 7	Top side		633334/3500.01		135	69	-0.11	0.164	12.18	13.00	1.208	0.198		
	table 7	Front side	10mm	DFT-s-	30kHz	650000/3750	1	1	-0.01	0.012	12.20	13.00	1.202	0.014	
	table 7	Back side		OFDM		650000/3750	1	1	0.18	0.158	12.20	13.00	1.202	0.190	
	table 7	Left side		BPSK		650000/3750	1	1	0.04	0.009	12.20	13.00	1.202	0.011	
	table 7	Top side		650000/3750		1	1	-0.05	0.201	12.20	13.00	1.202	0.242		
	table 7	Front side		650000/3750		135	69	0.12	0.010	12.04	13.00	1.247	0.012		
	table 7	Back side		650000/3750		135	69	0.02	0.135	12.04	13.00	1.247	0.168		
table 7	Left side	650000/3750	135	69	0.04	0.008	12.04	13.00	1.247	0.010					

	table 7	Top side			650000/3750	135	69	0.12	0.126	12.04	13.00	1.247	0.157	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Exposure Condition	Test Position	Dist.	Test Mode	SCS	Test Channel/ Freq.(MHz)	RB Num.	RB Start	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No
1	Specific														
	Table 3	Back side	0mm	DFT-s- OFDM QPSK	30kHz	633334/3500.01	1	1	0.09	0.498	18.34	19.00	1.164	0.580	
	Table 3	Bottom side				633334/3500.01	1	1	0.03	0.375	18.34	19.00	1.164	0.437	
	Table 3	Back side				650000/3750	1	1	0.05	0.546	18.17	19.00	1.211	0.661	108#
	Table 3	Back side				650000/3750	1	1	0.11	0.406	18.17	19.00	1.211	0.492	
4	Table 3	Back side	0mm	DFT-s- OFDM QPSK	30kHz	633334/3500.01	1	1	-0.12	0.432	15.34	16.00	1.164	0.503	
	Table 3	Right side				633334/3500.01	1	1	-0.12	0.299	15.34	16.00	1.164	0.348	
	Table 3	Back side				650000/3750	1	1	-0.15	0.256	15.17	16.00	1.211	0.310	
	Table 3	Right side				650000/3750	1	1	-0.01	0.230	15.17	16.00	1.211	0.278	

10.32 Bluetooth

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 1- g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No	
7	Head														
	OFF	Left cheek	0mm	BR/EDR 1Mbps	00/2402	0.00	0.016	8.61	10.00	1.377	77.50	1.290	0.028	109#	
	OFF	Left tilt			00/2402	0.00	0.012	8.61	10.00	1.377	77.50	1.290	0.021		
	OFF	Right cheek			00/2402	0.00	0.014	8.61	10.00	1.377	77.50	1.290	0.025		
	OFF	Right tilt			00/2402	0.00	0.010	8.61	10.00	1.377	77.50	1.290	0.018		
	OFF	Left cheek			39/2441	0.00	0.014	8.53	10.00	1.403	77.50	1.290	0.025		
	OFF	Left cheek			78/2480	0.00	0.012	7.33	9.00	1.469	77.50	1.290	0.023		
	Body worn														
	OFF	Front side	15mm	BR/EDR 1Mbps	00/2442	0.00	0.006	8.61	10.00	1.377	77.50	1.290	0.011		
	OFF	Back side			00/2442	0.00	0.012	8.61	10.00	1.377	77.50	1.290	0.021	110#	
	OFF	Front side			39/2441	0.00	0.010	8.53	10.00	1.403	77.50	1.290	0.018		
	OFF	Back side			78/2480	0.00	0.006	7.33	9.00	1.469	77.50	1.290	0.011		
	Hotspot														
	OFF	Front side	10mm	BR/EDR 1Mbps	00/2442	0.00	0.020	8.61	10.00	1.377	77.50	1.290	0.036		
	OFF	Back side			00/2442	-0.20	0.039	8.61	10.00	1.377	77.50	1.290	0.069	111#	
	OFF	Left side			00/2442	0.18	0.037	8.61	10.00	1.377	77.50	1.290	0.066		
	OFF	Top side			00/2442	0.00	0.011	8.61	10.00	1.377	77.50	1.290	0.020		
	OFF	Back side			39/2441	0.16	0.031	8.53	10.00	1.403	77.50	1.290	0.056		
	OFF	Back side			78/2480	0.10	0.025	7.33	9.00	1.469	77.50	1.290	0.047		
	Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.33 WIFI 2.4GHZ

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No
Head														
Ant.6	Table 2	Left cheek	0mm	802.11 b	6/2437	0.05	0.299	17.55	19.00	1.396	99.84	1.002	0.418	112#
	Table 2	Left tilt			6/2437	-0.12	0.179	17.55	19.00	1.396	99.84	1.002	0.250	
	Table 2	Right cheek			6/2437	0.12	0.198	17.55	19.00	1.396	99.84	1.002	0.277	
	Table 2	Right tilt			6/2437	0.13	0.154	17.55	19.00	1.396	99.84	1.002	0.215	
	Table 2	Left cheek			1/2412	-0.15	0.266	17.39	19.00	1.449	99.84	1.002	0.386	
	Table 2	Left cheek			11/2462	0.09	0.225	17.46	19.00	1.426	99.84	1.002	0.321	
Ant.7	Table 2	Left cheek	0mm	802.11 b	6/2437	0.05	0.098	17.51	19.00	1.409	99.84	1.002	0.138	
	Table 2	Left tilt			6/2437	0.08	0.093	17.51	19.00	1.409	99.84	1.002	0.131	
	Table 2	Right cheek			6/2437	0.07	0.178	17.51	19.00	1.409	99.84	1.002	0.251	
	Table 2	Right tilt			6/2437	0.13	0.117	17.51	19.00	1.409	99.84	1.002	0.165	
MIMO	Table 2	Left cheek	0mm	802.11 n20	1/2412	0.19	0.248	16.43	17.50	1.279	99.96	1.000	0.317	
	Table 2	Left tilt			1/2412	-0.04	0.139	16.43	17.50	1.279	99.96	1.000	0.178	
	Table 2	Right cheek			1/2412	0.06	0.158	16.43	17.50	1.279	99.96	1.000	0.202	
	Table 2	Right tilt			1/2412	0.03	0.127	16.43	17.50	1.279	99.96	1.000	0.163	
Body-worn														
Ant.6	Table 3	Front side	15mm	802.11 b	6/2437	-0.02	0.137	19.48	21.00	1.419	99.84	1.002	0.195	
	Table 3	Back side			6/2437	-0.01	0.329	19.48	21.00	1.419	99.84	1.002	0.468	113#
	Table 3	Back side			1/2412	-0.08	0.270	19.57	21.00	1.390	99.84	1.002	0.376	
	Table 3	Back side			11/2462	-0.16	0.256	19.52	21.00	1.406	99.84	1.002	0.361	
Ant.7	Table 3	Front side	15mm	802.11 b	6/2437	-0.05	0.106	19.56	21.00	1.393	99.84	1.002	0.148	
	Table 3	Back side			6/2437	-0.11	0.271	19.56	21.00	1.393	99.84	1.002	0.378	
MIMO	Table 3	Front side	15mm	802.11 n20	1/2412	0.05	0.092	18.20	19.50	1.349	99.96	1.000	0.124	
	Table 3	Back side			1/2412	-0.14	0.245	18.20	19.50	1.349	99.96	1.000	0.331	
Hotspot														
Ant.6	table 7	Front side	10mm	802.11 b	6/2437	0.13	0.082	16.49	18.00	1.416	99.84	1.002	0.116	
	table 7	Back side			6/2437	-0.15	0.180	16.49	18.00	1.416	99.84	1.002	0.255	
	table 7	Right side			6/2437	0.13	0.190	16.49	18.00	1.416	99.84	1.002	0.269	
	table 7	Top side			6/2437	-0.13	0.076	16.49	18.00	1.416	99.84	1.002	0.108	
	table 7	Right side			1/2412	0.07	0.192	16.38	18.00	1.452	99.84	1.002	0.279	114#
	table 7	Right side			11/2462	0.08	0.188	16.42	18.00	1.439	99.84	1.002	0.271	
Ant.7	table 7	Front side	10mm	802.11 b	6/2437	0.16	0.023	16.40	18.00	1.445	99.84	1.002	0.033	
	table 7	Back side			6/2437	0.05	0.071	16.40	18.00	1.445	99.84	1.002	0.103	
	table 7	Left side			6/2437	0.03	0.087	16.40	18.00	1.445	99.84	1.002	0.126	
	table 7	Top side			6/2437	-0.03	0.016	16.40	18.00	1.445	99.84	1.002	0.023	

MIMO	table 7	Front side	10mm	802.11 n20	1/2412	0.13	0.060	15.76	16.50	1.186	99.96	1.000	0.071	
	table 7	Back side			1/2412	0.15	0.137	15.76	16.50	1.186	99.96	1.000	0.163	
	table 7	Left side			1/2412	-0.01	0.065	15.76	16.50	1.186	99.96	1.000	0.077	
	table 7	Right side			1/2412	-0.17	0.143	15.76	16.50	1.186	99.96	1.000	0.170	
	table 7	Top side			1/2412	0.07	0.052	15.76	16.50	1.186	99.96	1.000	0.062	

Note: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No
Specific														
Ant.6	table 7	Front side	10mm	802.11 b	6/2437	-0.15	0.126	16.49	18.00	1.416	99.84	1.002	0.179	
	table 7	Back side			6/2437	-0.05	0.332	16.49	18.00	1.416	99.84	1.002	0.471	
	table 7	Right side			6/2437	0.08	0.302	16.49	18.00	1.416	99.84	1.002	0.428	
	table 7	Top side			6/2437	0.16	0.105	16.49	18.00	1.416	99.84	1.002	0.149	
	table 7	Back side			1/2412	-0.06	0.348	16.38	18.00	1.452	99.84	1.002	0.506	115#
	table 7	Back side			11/2462	0.02	0.342	16.42	18.00	1.439	99.84	1.002	0.493	
Ant.7	table 7	Front side	10mm	802.11 b	6/2437	-0.03	0.078	16.40	18.00	1.445	99.84	1.002	0.113	
	table 7	Back side			6/2437	0.10	0.223	16.40	18.00	1.445	99.84	1.002	0.323	
	table 7	Left side			6/2437	-0.13	0.198	16.40	18.00	1.445	99.84	1.002	0.287	
	table 7	Top side			6/2437	-0.01	0.070	16.40	18.00	1.445	99.84	1.002	0.101	
MIMO	table 7	Front side	10mm	802.11 n20	1/2412	0.09	0.085	15.76	16.50	1.186	99.96	1.000	0.101	
	table 7	Back side			1/2412	-0.04	0.298	15.76	16.50	1.186	99.96	1.000	0.354	
	table 7	Left side			1/2412	0.15	0.182	15.76	16.50	1.186	99.96	1.000	0.216	
	table 7	Right side			1/2412	-0.13	0.275	15.76	16.50	1.186	99.96	1.000	0.326	
	table 7	Top side			1/2412	-0.14	0.073	15.76	16.50	1.186	99.96	1.000	0.087	

10.34 WIFI 5GHz

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No
Head														
Ant.6	Table 2	Left cheek	0mm	802.11 a	60/5300	0.15	0.064	16.59	18.00	1.384	99.29	1.007	0.089	
	Table 2	Left tilt			60/5300	-0.05	0.062	16.59	18.00	1.384	99.29	1.007	0.086	
	Table 2	Right cheek			60/5300	0.20	0.058	16.59	18.00	1.384	99.29	1.007	0.081	
	Table 2	Right tilt			60/5300	-0.19	0.059	16.59	18.00	1.384	99.29	1.007	0.082	
Ant.7	Table 2	Left cheek	0mm	802.11 a	60/5300	0.08	0.066	15.45	17.00	1.429	99.29	1.007	0.095	
	Table 2	Left tilt			60/5300	0.02	0.081	15.45	17.00	1.429	99.29	1.007	0.117	116#
	Table 2	Right cheek			60/5300	-0.19	0.057	15.45	17.00	1.429	99.29	1.007	0.082	
	Table 2	Right tilt			60/5300	0.01	0.052	15.45	17.00	1.429	99.29	1.007	0.075	
	Table 2	Left cheek			52/5260	0.02	0.042	15.52	17.00	1.406	99.29	1.007	0.059	
	Table 2	Left cheek			64/5320	-0.09	0.067	15.58	17.00	1.387	99.29	1.007	0.094	
MIMO	Table 2	Left cheek	0mm	802.11 n20	52/5260	0.07	0.055	16.06	17.00	1.242	99.71	1.003	0.068	
	Table 2	Left tilt			52/5260	-0.18	0.050	16.06	17.00	1.242	99.71	1.003	0.062	
	Table 2	Right cheek			52/5260	-0.18	0.043	16.06	17.00	1.242	99.71	1.003	0.054	
	Table 2	Right tilt			52/5260	-0.09	0.041	16.06	17.00	1.242	99.71	1.003	0.051	
Body-worn														
Ant.6	Table 3	Front side	15mm	802.11 a	60/5300	0.20	0.071	13.45	15.00	1.429	99.29	1.007	0.102	
	Table 3	Back side			60/5300	0.13	0.248	13.45	15.00	1.429	99.29	1.007	0.357	
	Table 3	Back side			52/5260	-0.04	0.256	13.54	15.00	1.400	99.29	1.007	0.361	
	Table 3	Back side			64/5320	-0.10	0.265	13.44	15.00	1.432	99.29	1.007	0.382	117#
Ant.7	Table 3	Front side	15mm	802.11 a	60/5300	-0.18	0.048	13.55	15.00	1.396	99.29	1.007	0.068	
	Table 3	Back side			60/5300	-0.18	0.064	13.55	15.00	1.396	99.29	1.007	0.090	
MIMO	Table 3	Front side	15mm	802.11 n20	52/5260	0.14	0.068	13.33	14.00	1.167	99.71	1.003	0.080	
	Table 3	Back side			52/5260	0.17	0.234	13.33	14.00	1.167	99.71	1.003	0.274	
Hotspot														
Ant.6	table 7	Front side	10mm	802.11 a	44/5220	0.06	0.066	12.55	14.00	1.396	99.29	1.007	0.093	
	table 7	Back side			44/5220	-0.16	0.230	12.55	14.00	1.396	99.29	1.007	0.323	118#
	table 7	Right side			44/5220	0.11	0.075	12.55	14.00	1.396	99.29	1.007	0.105	
	table 7	Top side			44/5220	0.08	0.011	12.55	14.00	1.396	99.29	1.007	0.015	
	table 7	Back side			36/5180	0.06	0.223	12.48	14.00	1.419	99.29	1.007	0.319	
	table 7	Back side			48/5240	-0.01	0.224	12.51	14.00	1.409	99.29	1.007	0.318	
Ant.7	table 7	Front side	10mm	802.11 a	44/5220	0.06	0.012	11.59	13.00	1.384	99.29	1.007	0.017	
	table 7	Back side			44/5220	0.13	0.080	11.59	13.00	1.384	99.29	1.007	0.111	
	table 7	Left side			44/5220	-0.14	0.008	11.59	13.00	1.384	99.29	1.007	0.011	
	table 7	Top side			44/5220	0.08	0.049	11.59	13.00	1.384	99.29	1.007	0.068	
MIMO	table 7	Front side	10mm		48/5240	0.15	0.058	12.27	13.00	1.183	99.71	1.003	0.069	

	table 7	Back side		802.11 n20	48/5240	0.08	0.198	12.27	13.00	1.183	99.71	1.003	0.235	
	table 7	Left side			48/5240	0.00	0.010	12.27	13.00	1.183	99.71	1.003	0.012	
	table 7	Right side			48/5240	-0.16	0.062	12.27	13.00	1.183	99.71	1.003	0.074	
	table 7	Top side			48/5240	0.13	0.040	12.27	13.00	1.183	99.71	1.003	0.047	

Note: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No
Specific														
Ant.6	table 7	Front side	0mm	802.11 a	60/5300	-0.14	0.018	12.57	14.00	1.390	99.29	1.007	0.025	
	table 7	Back side			60/5300	0.03	0.202	12.57	14.00	1.390	99.29	1.007	0.283	119#
	table 7	Right side			60/5300	0.18	0.153	12.57	14.00	1.390	99.29	1.007	0.214	
	table 7	Top side			60/5300	-0.06	0.030	12.57	14.00	1.390	99.29	1.007	0.042	
	table 7	Back side			52/5260	-0.01	0.196	12.56	14.00	1.393	99.29	1.007	0.275	
	table 7	Back side			64/5320	-0.19	0.185	12.48	14.00	1.419	99.29	1.007	0.264	
Ant.7	table 7	Front side	0mm	802.11 a	60/5300	-0.10	0.012	11.56	13.00	1.393	99.29	1.007	0.017	
	table 7	Back side			60/5300	0.07	0.159	11.56	13.00	1.393	99.29	1.007	0.223	
	table 7	Left side			60/5300	0.13	0.087	11.56	13.00	1.393	99.29	1.007	0.122	
	table 7	Top side			60/5300	0.02	0.080	11.56	13.00	1.393	99.29	1.007	0.112	
MIMO	table 7	Front side	0mm	802.11 n20	52/5260	-0.07	0.015	12.29	13.00	1.178	99.71	1.003	0.018	
	table 7	Back side			52/5260	0.08	0.189	12.29	13.00	1.178	99.71	1.003	0.223	
	table 7	Left side			52/5260	0.17	0.090	12.29	13.00	1.178	99.71	1.003	0.106	
	table 7	Right side			52/5260	0.10	0.131	12.29	13.00	1.178	99.71	1.003	0.155	
	table 7	Top side			52/5260	0.09	0.074	12.29	13.00	1.178	99.71	1.003	0.087	

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No
Head														
Ant.6	Table 2	Left cheek	0mm	802.11 a	116/5580	-0.06	0.073	16.55	18.00	1.396	99.29	1.007	0.103	
	Table 2	Left tilt			116/5580	-0.03	0.068	16.55	18.00	1.396	99.29	1.007	0.096	
	Table 2	Right cheek			116/5580	-0.03	0.076	16.55	18.00	1.396	99.29	1.007	0.107	
	Table 2	Right tilt			116/5580	0.00	0.088	16.55	18.00	1.396	99.29	1.007	0.124	
Ant.7	Table 2	Left cheek	0mm	802.11 a	116/5580	-0.02	0.093	15.76	17.00	1.330	99.29	1.007	0.125	
	Table 2	Left tilt			116/5580	-0.08	0.083	15.76	17.00	1.330	99.29	1.007	0.111	
	Table 2	Right cheek			116/5580	-0.08	0.054	15.76	17.00	1.330	99.29	1.007	0.072	
	Table 2	Right tilt			116/5580	-0.05	0.049	15.76	17.00	1.330	99.29	1.007	0.066	
	Table 2	Left cheek			100/5500	-0.06	0.097	15.87	17.00	1.297	99.29	1.007	0.127	120#
	Table 2	Left cheek			140/5700	-0.06	0.075	15.88	17.00	1.294	99.29	1.007	0.098	
MIMO	Table 2	Left cheek	0mm	802.11 n20	100/5500	-0.08	0.081	16.09	17.00	1.233	99.71	1.003	0.100	
	Table 2	Left tilt			100/5500	-0.17	0.076	16.09	17.00	1.233	99.71	1.003	0.094	
	Table 2	Right cheek			100/5500	-0.12	0.045	16.09	17.00	1.233	99.71	1.003	0.056	
	Table 2	Right tilt			100/5500	0.10	0.047	16.09	17.00	1.233	99.71	1.003	0.058	
Body-worn														
Ant.6	Table 3	Front side	15mm	802.11 a	116/5580	-0.02	0.082	13.43	15.00	1.435	99.29	1.007	0.119	
	Table 3	Back side			116/5580	0.00	0.174	13.43	15.00	1.435	99.29	1.007	0.252	
	Table 3	Back side			100/5500	-0.05	0.167	13.53	15.00	1.403	99.29	1.007	0.236	
	Table 3	Back side			140/5700	-0.05	0.174	13.41	15.00	1.442	99.29	1.007	0.253	121#
Ant.7	Table 3	Front side	15mm	802.11 a	116/5580	0.01	0.062	12.66	14.00	1.361	99.29	1.007	0.085	
	Table 3	Back side			116/5580	-0.07	0.058	12.66	14.00	1.361	99.29	1.007	0.080	
MIMO	Table 3	Front side	15mm	802.11 n20	116/5580	0.11	0.075	13.11	14.00	1.227	99.71	1.003	0.092	
	Table 3	Back side			116/5580	-0.16	0.153	13.11	14.00	1.227	99.71	1.003	0.188	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No
Specific														
Ant.6	table 7	Front side	0mm	802.11 a	116/5580	-0.19	0.015	12.56	14.00	1.393	99.29	1.007	0.021	
	table 7	Back side			116/5580	-0.11	0.196	12.56	14.00	1.393	99.29	1.007	0.275	
	table 7	Right side			116/5580	0.00	0.098	12.56	14.00	1.393	99.29	1.007	0.138	
	table 7	Top side			116/5580	-0.20	0.031	12.56	14.00	1.393	99.29	1.007	0.043	
	table 7	Back side			100/5500	0.13	0.185	12.50	14.00	1.413	99.29	1.007	0.263	

	table 7	Back side			140/5700	0.00	0.214	12.51	14.00	1.409	99.29	1.007	0.304	122#
Ant.7	table 7	Front side	0mm	802.11 a	116/5580	-0.07	0.010	11.76	13.00	1.330	99.29	1.007	0.013	
	table 7	Back side			116/5580	0.08	0.096	11.76	13.00	1.330	99.29	1.007	0.129	
	table 7	Left side			116/5580	-0.02	0.059	11.76	13.00	1.330	99.29	1.007	0.079	
	table 7	Top side			116/5580	0.12	0.028	11.76	13.00	1.330	99.29	1.007	0.038	
MIMO	table 7	Front side	0mm	802.11 n20	116/5580	0.12	0.012	12.10	13.00	1.230	99.71	1.003	0.015	
	table 7	Back side			116/5580	0.10	0.178	12.10	13.00	1.230	99.71	1.003	0.220	
	table 7	Left side			116/5580	-0.01	0.062	12.10	13.00	1.230	99.71	1.003	0.076	
	table 7	Right side			116/5580	0.17	0.081	12.10	13.00	1.230	99.71	1.003	0.100	
	table 7	Top side			116/5580	0.03	0.030	12.10	13.00	1.230	99.71	1.003	0.037	

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 1-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No
Head														
Ant.6	Table 2	Left cheek	0mm	802.11 a	157/5785	0.19	0.030	14.66	16.00	1.361	99.29	1.007	0.041	
	Table 2	Left tilt			157/5785	0.11	0.022	14.66	16.00	1.361	99.29	1.007	0.030	
	Table 2	Right cheek			157/5785	-0.06	0.025	14.66	16.00	1.361	99.29	1.007	0.034	
	Table 2	Right tilt			157/5785	-0.10	0.020	14.66	16.00	1.361	99.29	1.007	0.027	
Ant.7	Table 2	Left cheek	0mm	802.11 a	149/5745	0.19	0.034	14.55	16.00	1.396	99.29	1.007	0.048	123#
	Table 2	Left tilt			149/5745	0.03	0.028	14.55	16.00	1.396	99.29	1.007	0.039	
	Table 2	Right cheek			149/5745	0.06	0.031	14.55	16.00	1.396	99.29	1.007	0.044	
	Table 2	Right tilt			149/5745	-0.12	0.024	14.55	16.00	1.396	99.29	1.007	0.034	
MIMO	Table 2	Left cheek	0mm	802.11 n20	165/5825	-0.12	0.028	14.24	15.00	1.191	99.71	1.007	0.034	
	Table 2	Left tilt			165/5825	0.01	0.022	14.24	15.00	1.191	99.71	1.007	0.026	
	Table 2	Right cheek			165/5825	0.02	0.026	14.24	15.00	1.191	99.71	1.007	0.031	
	Table 2	Right tilt			165/5825	-0.13	0.020	14.24	15.00	1.191	99.71	1.007	0.024	
Body-worn														
Ant.6	Table 3	Front side	15mm	802.11 a	157/5785	-0.09	0.023	11.36	13.00	1.459	99.29	1.007	0.034	
	Table 3	Back side			157/5785	0.01	0.100	11.36	13.00	1.459	99.29	1.007	0.147	
	Table 3	Back side			149/5745	-0.08	0.090	11.55	13.00	1.396	99.29	1.007	0.127	
	Table 3	Back side			165/5825	0.09	0.109	11.42	13.00	1.439	99.29	1.007	0.158	124#
Ant.7	Table 3	Front side	15mm	802.11 a	157/5785	-0.09	0.019	11.52	13.00	1.406	99.29	1.007	0.027	
	Table 3	Back side			157/5785	-0.06	0.061	11.52	13.00	1.406	99.29	1.007	0.086	
MIMO	Table 3	Front side	15mm	802.11 n20	165/5825	0.00	0.020	11.34	12.00	1.164	99.71	1.003	0.023	
	Table 3	Back side			165/5825	0.20	0.095	11.34	12.00	1.164	99.71	1.003	0.111	
Hotspot														
Ant.6	table 7	Front side	10mm	802.11 a	157/5785	-0.17	0.061	10.49	12.00	1.416	99.29	1.007	0.087	
	table 7	Back side			157/5785	-0.10	0.167	10.49	12.00	1.416	99.29	1.007	0.238	125#
	table 7	Right side			157/5785	-0.07	0.018	10.49	12.00	1.416	99.29	1.007	0.026	
	table 7	Top side			157/5785	0.10	0.097	10.49	12.00	1.416	99.29	1.007	0.138	
	table 7	Back side			149/5745	-0.07	0.142	10.48	12.00	1.419	99.29	1.007	0.203	
	table 7	Back side			165/5825	0.19	0.158	10.42	12.00	1.439	99.29	1.007	0.229	
Ant.7	table 7	Front side	10mm	802.11 a	157/5785	-0.12	0.020	10.52	12.00	1.406	99.29	1.007	0.028	
	table 7	Back side			157/5785	-0.20	0.070	10.52	12.00	1.406	99.29	1.007	0.099	
	table 7	Left side			157/5785	-0.10	0.065	10.52	12.00	1.406	99.29	1.007	0.092	
	table 7	Top side			157/5785	-0.14	0.012	10.52	12.00	1.406	99.29	1.007	0.017	
MIMO	table 7	Front side	10mm	802.11 n20	165/5825	-0.07	0.049	10.28	11.00	1.180	99.71	1.003	0.058	
	table 7	Back side			165/5825	-0.11	0.143	10.28	11.00	1.180	99.71	1.003	0.169	
	table 7	Left side			165/5825	-0.16	0.050	10.28	11.00	1.180	99.71	1.003	0.059	

	table 7	Right side			165/5825	0.00	0.020	10.28	11.00	1.180	99.71	1.003	0.024	
	table 7	Top side			165/5825	0.19	0.081	10.28	11.00	1.180	99.71	1.003	0.096	
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Power Reduction	Test Position	Dist.	Test Mode	Test Channel/ Freq.(MHz)	Power Drift(dB)	Meas 10-g SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No
Specific														
Ant.6	table 7	Front side	0mm	802.11 a	157/5785	-0.06	0.016	10.49	12.00	1.416	99.29	1.007	0.023	126#
	table 7	Back side			157/5785	-0.12	0.113	10.49	12.00	1.416	99.29	1.007	0.161	
	table 7	Right side			157/5785	0.19	0.058	10.49	12.00	1.416	99.29	1.007	0.083	
	table 7	Top side			157/5785	0.03	0.020	10.49	12.00	1.416	99.29	1.007	0.029	
	table 7	Back side			149/5745	0.07	0.102	10.48	12.00	1.419	99.29	1.007	0.146	
	table 7	Back side			165/5825	0.18	0.098	10.42	12.00	1.439	99.29	1.007	0.142	
Ant.7	table 7	Front side	0mm	802.11 a	157/5785	-0.17	0.020	10.52	12.00	1.406	99.29	1.007	0.028	
	table 7	Back side			157/5785	-0.09	0.091	10.52	12.00	1.406	99.29	1.007	0.129	
	table 7	Left side			157/5785	-0.08	0.070	10.52	12.00	1.406	99.29	1.007	0.099	
	table 7	Top side			157/5785	0.15	0.011	10.52	12.00	1.406	99.29	1.007	0.016	
MIMO	table 7	Front side	0mm	802.11 n20	165/5825	-0.13	0.015	10.28	11.00	1.180	99.71	1.003	0.018	
	table 7	Back side			165/5825	0.07	0.094	10.28	11.00	1.180	99.71	1.003	0.111	
	table 7	Left side			165/5825	-0.13	0.060	10.28	11.00	1.180	99.71	1.003	0.071	
	table 7	Right side			165/5825	-0.09	0.058	10.28	11.00	1.180	99.71	1.003	0.069	
	table 7	Top side			165/5825	-0.18	0.017	10.28	11.00	1.180	99.71	1.003	0.020	

10.35 WIFI 6GHz

Fre. Band	Mode	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty cycle(%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
6G	802.11 ax MCS0 HE160	Ant.7	Left Cheek	0	175	6825	0.11	0.021	15.86	16.00	1.033	99.58	1.004	0.022	/
			Left Tilt	0	175	6825	0.04	0.019	15.86	16.00	1.033	99.58	1.004	0.020	/
			Right Cheek	0	175	6825	-0.09	0.015	15.86	16.00	1.033	99.58	1.004	0.016	/
			Right Tilt	0	175	6825	-0.03	0.011	15.86	16.00	1.033	99.58	1.004	0.011	/
			Left Cheek	0	15	6025	0.04	0.018	13.84	14.50	1.164	99.58	1.004	0.021	/
				0	47	6185	-0.05	0.019	14.12	14.50	1.091	99.58	1.004	0.021	/
				0	79	6345	0.10	0.022	14.54	14.50	0.991	99.58	1.004	0.022	/
				0	111	6505	-0.01	0.021	13.76	14.50	1.186	99.58	1.004	0.025	/
				0	143	6665	-0.16	0.016	13.52	14.50	1.253	99.58	1.004	0.020	/
				0	207	6985	0.00	0.017	14.84	15.00	1.038	99.58	1.004	0.018	/
6G	802.11 ax MCS0 HE160	Ant.6	Left Cheek	0	175	6825	0.16	0.025	15.92	16.00	1.019	99.58	1.004	0.026	127#
			Left Tilt	0	175	6825	0.06	0.016	15.92	16.00	1.019	99.58	1.004	0.016	/
			Right Cheek	0	175	6825	-0.17	0.012	15.92	16.00	1.019	99.58	1.004	0.012	/
			Right Tilt	0	175	6825	0.03	0.008	15.92	16.00	1.019	99.58	1.004	0.008	/
			Left Cheek	0	15	6025	0.18	0.018	14.00	14.50	1.122	99.58	1.004	0.020	/
				0	47	6185	0.02	0.011	13.62	14.50	1.225	99.58	1.004	0.014	/
				0	79	6345	0.00	0.016	13.75	14.50	1.189	99.58	1.004	0.019	/
				0	111	6505	0.00	0.013	12.83	14.50	1.469	99.58	1.004	0.019	/
				0	143	6665	0.00	0.009	14.33	14.50	1.040	99.58	1.004	0.009	/
				0	207	6985	-0.03	0.015	14.94	15.00	1.014	99.58	1.004	0.015	/
6G	802.11 ax MCS0 HE160	Ant.6&7	Left Cheek	0	175	6825	-0.09	0.020	15.11	16.00	1.227	99.58	1.004	0.025	/
			Left Tilt	0	175	6825	0.06	0.016	15.11	16.00	1.227	99.58	1.004	0.020	/
			Right Cheek	0	175	6825	0.03	0.011	15.11	16.00	1.227	99.58	1.004	0.014	/
			Right Tilt	0	175	6825	-0.17	0.005	15.11	16.00	1.227	99.58	1.004	0.006	/
			Left Cheek	0	15	6025	0.18	0.013	13.97	14.50	1.130	99.58	1.004	0.015	/
				0	47	6185	-0.06	0.011	13.46	14.50	1.271	99.58	1.004	0.014	/
				0	79	6345	-0.15	0.015	13.83	14.50	1.167	99.58	1.004	0.018	/
				0	111	6505	0.01	0.011	12.79	14.50	1.483	99.58	1.004	0.016	/
				0	143	6665	0.14	0.013	14.37	14.50	1.030	99.58	1.004	0.013	/
				0	207	6985	0.14	0.008	14.77	15.00	1.054	99.58	1.004	0.008	/
Body-worn															
6G		Ant.7	Front Side	15	207	6985	0.11	0.033	11.87	12.00	1.030	99.58	1.004	0.034	/
			Back Side	15	207	6985	0.15	0.074	11.87	12.00	1.030	99.58	1.004	0.077	/

	802.11 ax MCS0 HE160	Back Side		15	15	6025	0.10	0.098	11.35	12.00	1.161	99.58	1.004	0.114	/
				15	47	6185	-0.14	0.079	11.06	12.00	1.242	99.58	1.004	0.099	/
				15	79	6345	-0.07	0.039	11.36	12.00	1.159	99.58	1.004	0.045	/
				15	111	6505	-0.13	0.032	10.26	12.00	1.493	99.58	1.004	0.048	/
				15	143	6665	0.03	0.073	10.13	12.00	1.538	99.58	1.004	0.113	/
				15	175	6825	-0.12	0.056	11.28	12.00	1.180	99.58	1.004	0.066	/
6G	802.11 ax MCS0 HE160	Ant.6	Front Side	15	207	6985	0.00	0.041	11.97	12.00	1.007	99.58	1.004	0.041	/
			Back Side	15	207	6985	0.11	0.055	11.97	12.00	1.007	99.58	1.004	0.056	/
			Back Side	15	15	6025	0.16	0.124	11.11	12.00	1.227	99.58	1.004	0.153	/
				15	47	6185	-0.19	0.186	11.37	12.00	1.156	99.58	1.004	0.216	/
				15	79	6345	-0.14	0.198	11.35	12.00	1.161	99.58	1.004	0.231	128#
				15	111	6505	-0.19	0.106	11.23	12.00	1.194	99.58	1.004	0.127	/
				15	143	6665	0.00	0.063	11.03	12.00	1.250	99.58	1.004	0.079	/
				15	175	6825	0.09	0.034	11.96	12.00	1.009	99.58	1.004	0.034	/
6G	802.11 ax MCS0 HE160	Ant.6&7	Front Side	15	207	6985	0.02	0.032	11.77	12.00	1.054	99.58	1.004	0.034	/
			Back Side	15	207	6985	0.06	0.065	11.77	12.00	1.054	99.58	1.004	0.069	/
			Back Side	15	15	6025	0.16	0.062	11.57	12.00	1.104	99.58	1.004	0.069	/
				15	47	6185	-0.03	0.086	11.21	12.00	1.199	99.58	1.004	0.104	/
				15	79	6345	0.03	0.092	11.06	12.00	1.242	99.58	1.004	0.115	/
				15	111	6505	-0.14	0.053	10.57	12.00	1.390	99.58	1.004	0.074	/
				15	143	6665	0.04	0.069	11.70	12.00	1.072	99.58	1.004	0.074	/
				15	175	6825	-0.19	0.042	11.61	12.00	1.094	99.58	1.004	0.046	/

Fre. Band	Mode	Antenna	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	10 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune- up power(dBm)	Scaling Factor	Duty cycle(%)	Duty Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
6G	802.11 ax MCS0 HE160	Ant.7	Front Side	0	207	6985	0.11	0.032	11.87	12.00	1.030	99.58	1.004	0.033	/
			Back Side	0	207	6985	0.02	0.243	11.87	12.00	1.030	99.58	1.004	0.251	
			Right Edge	0	207	6985	0.08	0.204	11.87	12.00	1.030	99.58	1.004	0.211	
			Top Edge	0	207	6985	0.11	0.042	11.87	12.00	1.030	99.58	1.004	0.043	/
			Back Side	0	15	6025	-0.08	0.279	11.35	12.00	1.161	99.58	1.004	0.325	/
				0	47	6185	0.07	0.161	11.06	12.00	1.242	99.58	1.004	0.201	/
				0	79	6345	0.13	0.074	11.36	12.00	1.159	99.58	1.004	0.086	/
				0	111	6505	-0.11	0.054	10.26	12.00	1.493	99.58	1.004	0.081	/
				0	143	6665	-0.12	0.091	10.13	12.00	1.538	99.58	1.004	0.141	/
				0	175	6825	0.10	0.198	11.28	12.00	1.180	99.58	1.004	0.235	/
6G		Ant.6	Front Side	0	207	6985	-0.03	0.010	11.97	12.00	1.007	99.58	1.004	0.010	/

	802.11 ax MCS0 HE160		Back Side	0	207	6985	0.16	0.057	11.97	12.00	1.007	99.58	1.004	0.058	
			Left Edge	0	207	6985	-0.07	0.020	11.97	12.00	1.007	99.58	1.004	0.020	
			Top Edge	0	207	6985	-0.07	0.011	11.97	12.00	1.007	99.58	1.004	0.011	/
			Back Side	0	15	6025	-0.10	0.234	11.11	12.00	1.227	99.58	1.004	0.288	/
				0	47	6185	-0.03	0.494	11.37	12.00	1.156	99.58	1.004	0.573	129#
				0	79	6345	-0.17	0.266	11.35	12.00	1.161	99.58	1.004	0.310	/
				0	111	6505	-0.13	0.138	11.23	12.00	1.194	99.58	1.004	0.165	/
				0	143	6665	-0.03	0.103	11.03	12.00	1.250	99.58	1.004	0.129	/
				0	175	6825	0.03	0.090	11.96	12.00	1.009	99.58	1.004	0.091	/
6G	802.11 ax MCS0 HE160	Ant.6&7	Front Side	0	207	6985	0.18	0.012	11.77	12.00	1.054	99.58	1.004	0.013	/
			Back Side	0	207	6985	0.19	0.107	11.77	12.00	1.054	99.58	1.004	0.113	
			Left Edge	0	207	6985	0.16	0.009	11.77	12.00	1.054	99.58	1.004	0.010	
			Right Edge	0	207	6985	-0.10	0.087	11.77	12.00	1.054	99.58	1.004	0.092	
			Top Edge	0	207	6985	0.10	0.018	11.77	12.00	1.054	99.58	1.004	0.019	/
			Back Side	0	15	6025	0.17	0.134	11.57	12.00	1.104	99.58	1.004	0.149	/
				0	47	6185	0.10	0.142	11.21	12.00	1.199	99.58	1.004	0.171	/
				0	79	6345	0.15	0.098	11.06	12.00	1.242	99.58	1.004	0.122	/
				0	111	6505	-0.14	0.057	10.57	12.00	1.390	99.58	1.004	0.080	/
				0	143	6665	-0.15	0.045	11.70	12.00	1.072	99.58	1.004	0.048	/
				0	175	6825	0.18	0.094	11.61	12.00	1.094	99.58	1.004	0.103	/

11 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 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.

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot	Specific
1	WWAN + WLAN 2.4G	Yes	Yes	Yes	Yes
2	WWAN + WLAN 2.4G + Bluetooth	Yes	Yes	Yes	No
3	WWAN + WLAN 5G	Yes	Yes	Yes	Yes
4	WWAN + WLAN 5G + Bluetooth	Yes	Yes	Yes	No
5	WWAN + WLAN 6G	Yes	Yes	No	Yes
6	WWAN + WLAN 6G + Bluetooth	Yes	Yes	No	No
7	WWAN + Bluetooth	Yes	Yes	Yes	No

Note:

1. WWAN antennas can switch automatically, the standards supported by WWAN are(GSM Voice/GPRS/EDGE/WCDMA/LTE/SA(5G NR)/EN-DC(LTE + 5G NR)).
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. The simultaneous transmission combinations of multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations is shown in this report.
4. BT does not test the Specific mode, so there is no need to consider the simultaneous transmission of the Specific mode.

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
			Table 2	Table 2	Table 2			
WCDMA B2	Ant.0	Left Cheek	0.368	0.418	0.127	0.028	0.814	0.523
		Left Tilt	0.129	0.250	0.117	0.021	0.400	0.267
		Right Cheek	0.177	0.277	0.107	0.025	0.479	0.309
		Right Tilt	0.118	0.215	0.124	0.018	0.351	0.260
WCDMA B4	Ant.0	Left Cheek	0.191	0.418	0.127	0.028	0.637	0.346
		Left Tilt	0.081	0.250	0.117	0.021	0.352	0.219
		Right Cheek	0.132	0.277	0.107	0.025	0.434	0.264
		Right Tilt	0.075	0.215	0.124	0.018	0.308	0.217
WCDMA B5	Ant.0	Left Cheek	0.206	0.418	0.127	0.028	0.652	0.361
		Left Tilt	0.127	0.250	0.117	0.021	0.398	0.265
		Right Cheek	0.178	0.277	0.107	0.025	0.480	0.310
		Right Tilt	0.131	0.215	0.124	0.018	0.364	0.273
LTE B2	Ant.0	Left Cheek	0.342	0.418	0.127	0.028	0.788	0.497
		Left Tilt	0.119	0.250	0.117	0.021	0.390	0.257
		Right Cheek	0.201	0.277	0.107	0.025	0.503	0.333
		Right Tilt	0.113	0.215	0.124	0.018	0.346	0.255
LTE B4	Ant.0	Left Cheek	0.164	0.418	0.127	0.028	0.610	0.319
		Left Tilt	0.070	0.250	0.117	0.021	0.342	0.209
		Right Cheek	0.121	0.277	0.107	0.025	0.423	0.253
		Right Tilt	0.091	0.215	0.124	0.018	0.323	0.232
LTE B5	Ant.0	Left Cheek	0.225	0.418	0.127	0.028	0.671	0.380
		Left Tilt	0.130	0.250	0.117	0.021	0.402	0.269
		Right Cheek	0.192	0.277	0.107	0.025	0.494	0.324
		Right Tilt	0.132	0.215	0.124	0.018	0.364	0.273
LTE B7	Ant.0	Left Cheek	0.089	0.418	0.127	0.028	0.535	0.244
		Left Tilt	0.057	0.250	0.117	0.021	0.329	0.196
		Right Cheek	0.075	0.277	0.107	0.025	0.377	0.207
		Right Tilt	0.037	0.215	0.124	0.018	0.270	0.179
LTE B12	Ant.0	Left Cheek	0.160	0.418	0.127	0.028	0.606	0.315
		Left Tilt	0.086	0.250	0.117	0.021	0.357	0.224
		Right Cheek	0.123	0.277	0.107	0.025	0.425	0.255
		Right Tilt	0.081	0.215	0.124	0.018	0.314	0.223
LTE B13	Ant.0	Left Cheek	0.162	0.418	0.127	0.028	0.608	0.317

		Left Tilt	0.117	0.250	0.117	0.021	0.389	0.256
		Right Cheek	0.193	0.277	0.107	0.025	0.495	0.325
		Right Tilt	0.125	0.215	0.124	0.018	0.358	0.267
LTE B14	Ant.0	Left Cheek	0.165	0.418	0.127	0.028	0.611	0.320
		Left Tilt	0.109	0.250	0.117	0.021	0.380	0.247
		Right Cheek	0.148	0.277	0.107	0.025	0.450	0.280
		Right Tilt	0.114	0.215	0.124	0.018	0.346	0.255
LTE B17	Ant.0	Left Cheek	0.144	0.418	0.127	0.028	0.590	0.299
		Left Tilt	0.101	0.250	0.117	0.021	0.373	0.240
		Right Cheek	0.118	0.277	0.107	0.025	0.420	0.250
		Right Tilt	0.089	0.215	0.124	0.018	0.322	0.231
LTE B25	Ant.0	Left Cheek	0.325	0.418	0.127	0.028	0.771	0.480
		Left Tilt	0.149	0.250	0.117	0.021	0.420	0.287
		Right Cheek	0.214	0.277	0.107	0.025	0.516	0.346
		Right Tilt	0.145	0.215	0.124	0.018	0.378	0.287
LTE B30	Ant.0	Left Cheek	0.030	0.418	0.127	0.028	0.476	0.185
		Left Tilt	0.014	0.250	0.117	0.021	0.285	0.152
		Right Cheek	0.037	0.277	0.107	0.025	0.339	0.169
		Right Tilt	0.019	0.215	0.124	0.018	0.252	0.161
LTE B38	Ant.0	Left Cheek	0.056	0.418	0.127	0.028	0.502	0.211
		Left Tilt	0.011	0.250	0.117	0.021	0.282	0.149
		Right Cheek	0.049	0.277	0.107	0.025	0.351	0.181
		Right Tilt	0.009	0.215	0.124	0.018	0.242	0.151
LTE B41	Ant.0	Left Cheek	0.052	0.418	0.127	0.028	0.498	0.207
		Left Tilt	0.019	0.250	0.117	0.021	0.290	0.157
		Right Cheek	0.057	0.277	0.107	0.025	0.359	0.189
		Right Tilt	0.016	0.215	0.124	0.018	0.249	0.158
LTE B42	Ant.1	Left Cheek	0.178	0.418	0.127	0.028	0.624	0.333
		Left Tilt	0.047	0.250	0.117	0.021	0.318	0.185
		Right Cheek	0.280	0.277	0.107	0.025	0.582	0.412
		Right Tilt	0.055	0.215	0.124	0.018	0.288	0.197
LTE B43	Ant.1	Left Cheek	0.292	0.418	0.127	0.028	0.738	0.447
		Left Tilt	0.072	0.250	0.117	0.021	0.343	0.210
		Right Cheek	0.631	0.277	0.107	0.025	0.933	0.763
		Right Tilt	0.060	0.215	0.124	0.018	0.293	0.202
LTE B48	Ant.1	Left Cheek	0.219	0.418	0.127	0.028	0.665	0.374
		Left Tilt	0.060	0.250	0.117	0.021	0.331	0.198
		Right Cheek	0.547	0.277	0.107	0.025	0.849	0.679
		Right Tilt	0.081	0.215	0.124	0.018	0.314	0.223
LTE B66	Ant.0	Left Cheek	0.232	0.418	0.127	0.028	0.678	0.387
		Left Tilt	0.077	0.250	0.117	0.021	0.348	0.215
		Right Cheek	0.154	0.277	0.107	0.025	0.456	0.286
		Right Tilt	0.088	0.215	0.124	0.018	0.321	0.230

LTE B71	Ant.0	Left Cheek	0.105	0.418	0.127	0.028	0.551	0.260
		Left Tilt	0.091	0.250	0.117	0.021	0.362	0.229
		Right Cheek	0.150	0.277	0.107	0.025	0.452	0.282
		Right Tilt	0.093	0.215	0.124	0.018	0.326	0.235
n2	Ant.0	Left Cheek	0.419	0.418	0.127	0.028	0.865	0.574
		Left Tilt	0.142	0.250	0.117	0.021	0.413	0.280
		Right Cheek	0.254	0.277	0.107	0.025	0.556	0.386
		Right Tilt	0.141	0.215	0.124	0.018	0.374	0.283
n5	Ant.0	Left Cheek	0.235	0.418	0.127	0.028	0.681	0.390
		Left Tilt	0.145	0.250	0.117	0.021	0.416	0.283
		Right Cheek	0.195	0.277	0.107	0.025	0.497	0.327
		Right Tilt	0.152	0.215	0.124	0.018	0.385	0.294
n12	Ant.0	Left Cheek	0.192	0.418	0.127	0.028	0.638	0.347
		Left Tilt	0.106	0.250	0.117	0.021	0.377	0.244
		Right Cheek	0.150	0.277	0.107	0.025	0.452	0.282
		Right Tilt	0.105	0.215	0.124	0.018	0.338	0.247
n25	Ant.0	Left Cheek	0.345	0.418	0.127	0.028	0.791	0.500
		Left Tilt	0.158	0.250	0.117	0.021	0.429	0.296
		Right Cheek	0.249	0.277	0.107	0.025	0.551	0.381
		Right Tilt	0.135	0.215	0.124	0.018	0.368	0.277
n30	Ant.0	Left Cheek	0.045	0.418	0.127	0.028	0.491	0.200
		Left Tilt	0.018	0.250	0.117	0.021	0.289	0.156
		Right Cheek	0.082	0.277	0.107	0.025	0.384	0.214
		Right Tilt	0.028	0.215	0.124	0.018	0.261	0.170
n38	Ant.0	Left Cheek	0.129	0.418	0.127	0.028	0.575	0.284
		Left Tilt	0.078	0.250	0.117	0.021	0.349	0.216
		Right Cheek	0.097	0.277	0.107	0.025	0.399	0.229
		Right Tilt	0.046	0.215	0.124	0.018	0.279	0.188
n41	Ant.0	Left Cheek	0.114	0.418	0.127	0.028	0.560	0.269
		Left Tilt	0.086	0.250	0.117	0.021	0.357	0.224
		Right Cheek	0.104	0.277	0.107	0.025	0.406	0.236
		Right Tilt	0.082	0.215	0.124	0.018	0.315	0.224
n41	Ant.2	Left Cheek	0.025	0.418	0.127	0.028	0.471	0.180
		Left Tilt	0.012	0.250	0.117	0.021	0.283	0.150
		Right Cheek	0.019	0.277	0.107	0.025	0.321	0.151
		Right Tilt	0.009	0.215	0.124	0.018	0.242	0.151
n66	Ant.0	Left Cheek	0.187	0.418	0.127	0.028	0.633	0.342
		Left Tilt	0.015	0.250	0.117	0.021	0.286	0.153
		Right Cheek	0.077	0.277	0.107	0.025	0.379	0.209
		Right Tilt	0.011	0.215	0.124	0.018	0.244	0.153
n71	Ant.0	Left Cheek	0.173	0.418	0.127	0.028	0.619	0.328
		Left Tilt	0.094	0.250	0.117	0.021	0.365	0.232
		Right Cheek	0.131	0.277	0.107	0.025	0.433	0.263

		Right Tilt	0.086	0.215	0.124	0.018	0.319	0.228
n77	Ant.1	Left Cheek	0.510	0.418	0.127	0.028	0.956	0.665
		Left Tilt	0.207	0.250	0.117	0.021	0.478	0.345
		Right Cheek	0.534	0.277	0.107	0.025	0.836	0.666
		Right Tilt	0.104	0.215	0.124	0.018	0.337	0.246
n77	Ant.4	Left Cheek	0.447	0.418	0.127	0.028	0.893	0.602
		Left Tilt	0.533	0.250	0.117	0.021	0.804	0.671
		Right Cheek	0.512	0.277	0.107	0.025	0.814	0.644
		Right Tilt	0.678	0.215	0.124	0.018	0.911	0.820
n78	Ant.1	Left Cheek	0.286	0.418	0.127	0.028	0.732	0.441
		Left Tilt	0.130	0.250	0.117	0.021	0.401	0.268
		Right Cheek	0.548	0.277	0.107	0.025	0.850	0.680
		Right Tilt	0.222	0.215	0.124	0.018	0.455	0.364
n78	Ant.4	Left Cheek	0.553	0.418	0.127	0.028	0.999	0.708
		Left Tilt	0.707	0.250	0.117	0.021	0.978	0.845
		Right Cheek	0.516	0.277	0.107	0.025	0.818	0.648
		Right Tilt	0.633	0.215	0.124	0.018	0.866	0.775

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 0.999 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Body-Worn Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
			Table 3	Table 3	Table 3			
WCDMA B2	Ant.0	Front Side 15mm	0.282	0.195	0.119	0.011	0.488	0.412
		Back Side 15mm	0.827	0.468	0.382	0.021	1.316	1.230
WCDMA B4	Ant.0	Front Side 15mm	0.060	0.195	0.119	0.011	0.266	0.190
		Back Side 15mm	0.762	0.468	0.382	0.021	1.251	1.165
WCDMA B5	Ant.0	Front Side 15mm	0.107	0.195	0.119	0.011	0.313	0.237
		Back Side 15mm	0.257	0.468	0.382	0.021	0.746	0.660
LTE B2	Ant.0	Front Side 15mm	0.139	0.195	0.119	0.011	0.345	0.269
		Back Side 15mm	0.235	0.468	0.382	0.021	0.724	0.638
LTE B4	Ant.0	Front Side 15mm	0.014	0.195	0.119	0.011	0.220	0.144
		Back Side 15mm	0.273	0.468	0.382	0.021	0.762	0.676
LTE B5	Ant.0	Front Side 15mm	0.136	0.195	0.119	0.011	0.342	0.266
		Back Side 15mm	0.252	0.468	0.382	0.021	0.741	0.655

LTE B7	Ant.0	Front Side 15mm	0.101	0.195	0.119	0.011	0.306	0.230
		Back Side 15mm	0.510	0.468	0.382	0.021	0.999	0.913
LTE B12	Ant.0	Front Side 15mm	0.123	0.195	0.119	0.011	0.329	0.253
		Back Side 15mm	0.273	0.468	0.382	0.021	0.762	0.676
LTE B13	Ant.0	Front Side 15mm	0.133	0.195	0.119	0.011	0.339	0.263
		Back Side 15mm	0.323	0.468	0.382	0.021	0.812	0.726
LTE B14	Ant.0	Front Side 15mm	0.146	0.195	0.119	0.011	0.352	0.276
		Back Side 15mm	0.253	0.468	0.382	0.021	0.743	0.657
LTE B17	Ant.0	Front Side 15mm	0.145	0.195	0.119	0.011	0.351	0.275
		Back Side 15mm	0.280	0.468	0.382	0.021	0.769	0.683
LTE B25	Ant.0	Front Side 15mm	0.255	0.195	0.119	0.011	0.461	0.385
		Back Side 15mm	0.847	0.468	0.382	0.021	1.336	1.250
LTE B30	Ant.0	Front Side 15mm	0.090	0.195	0.119	0.011	0.296	0.220
		Back Side 15mm	0.389	0.468	0.382	0.021	0.878	0.792
LTE B38	Ant.0	Front Side 15mm	0.076	0.195	0.119	0.011	0.282	0.206
		Back Side 15mm	0.353	0.468	0.382	0.021	0.842	0.756
LTE B41	Ant.0	Front Side 15mm	0.072	0.195	0.119	0.011	0.278	0.202
		Back Side 15mm	0.381	0.468	0.382	0.021	0.870	0.784
LTE B42	Ant.1	Front Side 15mm	0.062	0.195	0.119	0.011	0.268	0.192
		Back Side 15mm	0.540	0.468	0.382	0.021	1.029	0.943
LTE B43	Ant.1	Front Side 15mm	0.122	0.195	0.119	0.011	0.328	0.252
		Back Side 15mm	0.450	0.468	0.382	0.021	0.939	0.853
LTE B48	Ant.1	Front Side 15mm	0.033	0.195	0.119	0.011	0.239	0.163
		Back Side 15mm	0.250	0.468	0.382	0.021	0.739	0.653
LTE B66	Ant.0	Front Side 15mm	0.017	0.195	0.119	0.011	0.223	0.147
		Back Side 15mm	0.316	0.468	0.382	0.021	0.805	0.719
LTE B71	Ant.0	Front Side 15mm	0.149	0.195	0.119	0.011	0.355	0.279
		Back Side 15mm	0.291	0.468	0.382	0.021	0.780	0.694
n2	Ant.0	Front Side 15mm	0.135	0.195	0.119	0.011	0.341	0.265
		Back Side 15mm	0.325	0.468	0.382	0.021	0.814	0.728
n5	Ant.0	Front Side 15mm	0.155	0.195	0.119	0.011	0.361	0.285
		Back Side 15mm	0.293	0.468	0.382	0.021	0.782	0.696
n12	Ant.0	Front Side 15mm	0.185	0.195	0.119	0.011	0.391	0.315
		Back Side 15mm	0.350	0.468	0.382	0.021	0.839	0.753
n25	Ant.0	Front Side 15mm	0.111	0.195	0.119	0.011	0.317	0.241
		Back Side 15mm	0.366	0.468	0.382	0.021	0.855	0.769
n30	Ant.0	Front Side 15mm	0.071	0.195	0.119	0.011	0.277	0.201
		Back Side 15mm	0.315	0.468	0.382	0.021	0.804	0.718
n38	Ant.0	Front Side 15mm	0.106	0.195	0.119	0.011	0.312	0.236
		Back Side 15mm	0.585	0.468	0.382	0.021	1.074	0.988
n41	Ant.0	Front Side 15mm	0.011	0.195	0.119	0.011	0.217	0.141
		Back Side 15mm	0.256	0.468	0.382	0.021	0.745	0.659
n41	Ant.2	Front Side 15mm	0.047	0.195	0.119	0.011	0.253	0.177

		Back Side 15mm	0.284	0.468	0.382	0.021	0.773	0.687
n66	Ant.0	Front Side 15mm	0.018	0.195	0.119	0.011	0.224	0.148
		Back Side 15mm	0.309	0.468	0.382	0.021	0.798	0.712
n71	Ant.0	Front Side 15mm	0.165	0.195	0.119	0.011	0.371	0.295
		Back Side 15mm	0.328	0.468	0.382	0.021	0.817	0.731
n77	Ant.1	Front Side 15mm	0.116	0.195	0.119	0.011	0.322	0.246
		Back Side 15mm	0.431	0.468	0.382	0.021	0.920	0.834
n77	Ant.4	Front Side 15mm	0.084	0.195	0.119	0.011	0.290	0.214
		Back Side 15mm	0.261	0.468	0.382	0.021	0.750	0.664
n78	Ant.1	Front Side 15mm	0.160	0.195	0.119	0.011	0.366	0.290
		Back Side 15mm	0.478	0.468	0.382	0.021	0.967	0.881
n78	Ant.4	Front Side 15mm	0.028	0.195	0.119	0.011	0.234	0.158
		Back Side 15mm	0.241	0.468	0.382	0.021	0.730	0.644

Note:

1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.336 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
			Table 7	Table 7	Table 7			
WCDMA B2	Ant.0	Front Side 10mm	0.278	0.116	0.092	0.036	0.430	0.406
		Back Side 10mm	0.545	0.279	0.322	0.069	0.893	0.936
		Left Edge 10mm	0.190	0.126	0.086	0.066	0.382	0.342
		Right Edge 10mm	0.089	0.269	0.105	0.000	0.358	0.194
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.757	0.000	0.000	0.000	0.757	0.757
WCDMA B4	Ant.0	Front Side 10mm	0.101	0.116	0.092	0.036	0.253	0.229
		Back Side 10mm	0.847	0.279	0.322	0.069	1.195	1.238
		Left Edge 10mm	0.011	0.126	0.086	0.066	0.203	0.163
		Right Edge 10mm	0.022	0.269	0.105	0.000	0.291	0.127
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.744	0.000	0.000	0.000	0.744	0.744
WCDMA B5	Ant.0	Front Side 10mm	0.123	0.116	0.092	0.036	0.274	0.250
		Back Side 10mm	0.304	0.279	0.322	0.069	0.652	0.695
		Left Edge 10mm	0.158	0.126	0.086	0.066	0.350	0.310
		Right Edge 10mm	0.156	0.269	0.105	0.000	0.425	0.261
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155

		Bottom Edge 10mm	0.138	0.000	0.000	0.000	0.138	0.138
LTE B2	Ant.0	Front Side 10mm	0.228	0.116	0.092	0.036	0.379	0.355
		Back Side 10mm	0.293	0.279	0.322	0.069	0.641	0.684
		Left Edge 10mm	0.141	0.126	0.086	0.066	0.333	0.293
		Right Edge 10mm	0.079	0.269	0.105	0.000	0.348	0.184
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.330	0.000	0.000	0.000	0.330	0.330
LTE B4	Ant.0	Front Side 10mm	0.020	0.116	0.092	0.036	0.172	0.148
		Back Side 10mm	0.462	0.279	0.322	0.069	0.810	0.853
		Left Edge 10mm	0.013	0.126	0.086	0.066	0.204	0.164
		Right Edge 10mm	0.009	0.269	0.105	0.000	0.278	0.114
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.343	0.000	0.000	0.000	0.343	0.343
LTE B5	Ant.0	Front Side 10mm	0.138	0.116	0.092	0.036	0.289	0.265
		Back Side 10mm	0.331	0.279	0.322	0.069	0.679	0.722
		Left Edge 10mm	0.173	0.126	0.086	0.066	0.365	0.325
		Right Edge 10mm	0.168	0.269	0.105	0.000	0.437	0.273
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.135	0.000	0.000	0.000	0.135	0.135
LTE B7	Ant.0	Front Side 10mm	0.072	0.116	0.092	0.036	0.224	0.200
		Back Side 10mm	0.612	0.279	0.322	0.069	0.960	1.003
		Left Edge 10mm	0.041	0.126	0.086	0.066	0.233	0.193
		Right Edge 10mm	0.054	0.269	0.105	0.000	0.323	0.159
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.247	0.000	0.000	0.000	0.247	0.247
LTE B12	Ant.0	Front Side 10mm	0.143	0.116	0.092	0.036	0.295	0.271
		Back Side 10mm	0.332	0.279	0.322	0.069	0.680	0.723
		Left Edge 10mm	0.186	0.126	0.086	0.066	0.378	0.338
		Right Edge 10mm	0.211	0.269	0.105	0.000	0.480	0.316
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.067	0.000	0.000	0.000	0.067	0.067
LTE B13	Ant.0	Front Side 10mm	0.122	0.116	0.092	0.036	0.274	0.250
		Back Side 10mm	0.383	0.279	0.322	0.069	0.731	0.774
		Left Edge 10mm	0.160	0.126	0.086	0.066	0.352	0.312
		Right Edge 10mm	0.158	0.269	0.105	0.000	0.427	0.263
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.108	0.000	0.000	0.000	0.108	0.108
LTE B14	Ant.0	Front Side 10mm	0.133	0.116	0.092	0.036	0.285	0.261
		Back Side 10mm	0.266	0.279	0.322	0.069	0.614	0.657
		Left Edge 10mm	0.172	0.126	0.086	0.066	0.364	0.324
		Right Edge 10mm	0.173	0.269	0.105	0.000	0.442	0.278
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.121	0.000	0.000	0.000	0.121	0.121

LTE B17	Ant.0	Front Side 10mm	0.122	0.116	0.092	0.036	0.274	0.250
		Back Side 10mm	0.323	0.279	0.322	0.069	0.671	0.714
		Left Edge 10mm	0.184	0.126	0.086	0.066	0.376	0.336
		Right Edge 10mm	0.208	0.269	0.105	0.000	0.477	0.313
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.073	0.000	0.000	0.000	0.073	0.073
LTE B25	Ant.0	Front Side 10mm	0.209	0.116	0.092	0.036	0.361	0.337
		Back Side 10mm	0.458	0.279	0.322	0.069	0.806	0.849
		Left Edge 10mm	0.177	0.126	0.086	0.066	0.369	0.329
		Right Edge 10mm	0.076	0.269	0.105	0.000	0.345	0.181
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.583	0.000	0.000	0.000	0.583	0.583
LTE B30	Ant.0	Front Side 10mm	0.123	0.116	0.092	0.036	0.275	0.251
		Back Side 10mm	0.609	0.279	0.322	0.069	0.957	1.000
		Left Edge 10mm	0.000	0.126	0.086	0.066	0.192	0.152
		Right Edge 10mm	0.099	0.269	0.105	0.000	0.368	0.204
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.383	0.000	0.000	0.000	0.383	0.383
LTE B38	Ant.0	Front Side 10mm	0.116	0.116	0.092	0.036	0.268	0.244
		Back Side 10mm	0.599	0.279	0.322	0.069	0.947	0.990
		Left Edge 10mm	0.074	0.126	0.086	0.066	0.266	0.226
		Right Edge 10mm	0.086	0.269	0.105	0.000	0.355	0.191
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.355	0.000	0.000	0.000	0.355	0.355
LTE B41	Ant.0	Front Side 10mm	0.107	0.116	0.092	0.036	0.259	0.235
		Back Side 10mm	0.723	0.279	0.322	0.069	1.071	1.114
		Left Edge 10mm	0.079	0.126	0.086	0.066	0.271	0.231
		Right Edge 10mm	0.094	0.269	0.105	0.000	0.363	0.199
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.337	0.000	0.000	0.000	0.337	0.337
LTE B42	Ant.1	Front Side 10mm	0.111	0.116	0.092	0.036	0.263	0.239
		Back Side 10mm	0.673	0.279	0.322	0.069	1.021	1.064
		Left Edge 10mm	0.000	0.126	0.086	0.066	0.192	0.152
		Right Edge 10mm	0.714	0.269	0.105	0.000	0.983	0.819
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B43	Ant.1	Front Side 10mm	0.172	0.116	0.092	0.036	0.324	0.300
		Back Side 10mm	0.798	0.279	0.322	0.069	1.146	1.189
		Left Edge 10mm	0.000	0.126	0.086	0.066	0.192	0.152
		Right Edge 10mm	0.898	0.269	0.105	0.000	1.167	1.003
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B48	Ant.1	Front Side 10mm	0.071	0.116	0.092	0.036	0.223	0.199

		Back Side 10mm	0.308	0.279	0.322	0.069	0.656	0.699
		Left Edge 10mm	0.000	0.126	0.086	0.066	0.192	0.152
		Right Edge 10mm	0.448	0.269	0.105	0.000	0.717	0.553
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	Ant.0	Front Side 10mm	0.024	0.116	0.092	0.036	0.176	0.152
		Back Side 10mm	0.541	0.279	0.322	0.069	0.889	0.932
		Left Edge 10mm	0.011	0.126	0.086	0.066	0.203	0.163
		Right Edge 10mm	0.013	0.269	0.105	0.000	0.282	0.118
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.301	0.000	0.000	0.000	0.301	0.301
LTE B71	Ant.0	Front Side 10mm	0.123	0.116	0.092	0.036	0.275	0.251
		Back Side 10mm	0.339	0.279	0.322	0.069	0.687	0.730
		Left Edge 10mm	0.190	0.126	0.086	0.066	0.382	0.342
		Right Edge 10mm	0.214	0.269	0.105	0.000	0.483	0.319
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.066	0.000	0.000	0.000	0.066	0.066
n2	Ant.0	Front Side 10mm	0.154	0.116	0.092	0.036	0.306	0.282
		Back Side 10mm	0.337	0.279	0.322	0.069	0.685	0.728
		Left Edge 10mm	0.103	0.126	0.086	0.066	0.295	0.255
		Right Edge 10mm	0.065	0.269	0.105	0.000	0.334	0.170
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.469	0.000	0.000	0.000	0.469	0.469
n5	Ant.0	Front Side 10mm	0.144	0.116	0.092	0.036	0.296	0.272
		Back Side 10mm	0.377	0.279	0.322	0.069	0.725	0.768
		Left Edge 10mm	0.179	0.126	0.086	0.066	0.371	0.331
		Right Edge 10mm	0.170	0.269	0.105	0.000	0.439	0.275
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.150	0.000	0.000	0.000	0.150	0.150
n12	Ant.0	Front Side 10mm	0.156	0.116	0.092	0.036	0.308	0.284
		Back Side 10mm	0.420	0.279	0.322	0.069	0.768	0.811
		Left Edge 10mm	0.230	0.126	0.086	0.066	0.422	0.382
		Right Edge 10mm	0.250	0.269	0.105	0.000	0.519	0.355
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.075	0.000	0.000	0.000	0.075	0.075
n25	Ant.0	Front Side 10mm	0.146	0.116	0.092	0.036	0.298	0.274
		Back Side 10mm	0.321	0.279	0.322	0.069	0.669	0.712
		Left Edge 10mm	0.096	0.126	0.086	0.066	0.288	0.248
		Right Edge 10mm	0.055	0.269	0.105	0.000	0.324	0.160
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.470	0.000	0.000	0.000	0.470	0.470
n30	Ant.0	Front Side 10mm	0.089	0.116	0.092	0.036	0.241	0.217
		Back Side 10mm	0.457	0.279	0.322	0.069	0.805	0.848

		Left Edge 10mm	0.014	0.126	0.086	0.066	0.206	0.166
		Right Edge 10mm	0.062	0.269	0.105	0.000	0.331	0.167
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.254	0.000	0.000	0.000	0.254	0.254
n38	Ant.0	Front Side 10mm	0.172	0.116	0.092	0.036	0.324	0.300
		Back Side 10mm	0.845	0.279	0.322	0.069	1.193	1.236
		Left Edge 10mm	0.104	0.126	0.086	0.066	0.296	0.256
		Right Edge 10mm	0.151	0.269	0.105	0.000	0.420	0.256
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.590	0.000	0.000	0.000	0.590	0.590
n41	Ant.0	Front Side 10mm	0.062	0.116	0.092	0.036	0.214	0.190
		Back Side 10mm	0.634	0.279	0.322	0.069	0.982	1.025
		Left Edge 10mm	0.015	0.126	0.086	0.066	0.207	0.167
		Right Edge 10mm	0.014	0.269	0.105	0.000	0.283	0.119
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.192	0.000	0.000	0.000	0.192	0.192
n41	Ant.2	Front Side 10mm	0.057	0.116	0.092	0.036	0.209	0.185
		Back Side 10mm	0.359	0.279	0.322	0.069	0.707	0.750
		Left Edge 10mm	0.000	0.126	0.086	0.066	0.192	0.152
		Right Edge 10mm	0.531	0.269	0.105	0.000	0.800	0.636
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n66	Ant.0	Front Side 10mm	0.023	0.116	0.092	0.036	0.175	0.151
		Back Side 10mm	0.465	0.279	0.322	0.069	0.813	0.856
		Left Edge 10mm	0.017	0.126	0.086	0.066	0.209	0.169
		Right Edge 10mm	0.012	0.269	0.105	0.000	0.281	0.117
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.271	0.000	0.000	0.000	0.271	0.271
n71	Ant.0	Front Side 10mm	0.135	0.116	0.092	0.036	0.287	0.263
		Back Side 10mm	0.400	0.279	0.322	0.069	0.748	0.791
		Left Edge 10mm	0.223	0.126	0.086	0.066	0.415	0.375
		Right Edge 10mm	0.263	0.269	0.105	0.000	0.532	0.368
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.066	0.000	0.000	0.000	0.066	0.066
n77	Ant.1	Front Side 10mm	0.186	0.116	0.092	0.036	0.338	0.314
		Back Side 10mm	0.495	0.279	0.322	0.069	0.843	0.886
		Left Edge 10mm	0.000	0.126	0.086	0.066	0.192	0.152
		Right Edge 10mm	0.433	0.269	0.105	0.000	0.702	0.538
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n77	Ant.4	Front Side 10mm	0.032	0.116	0.092	0.036	0.184	0.160
		Back Side 10mm	0.409	0.279	0.322	0.069	0.757	0.800
		Left Edge 10mm	0.045	0.126	0.086	0.066	0.237	0.197

		Right Edge 10mm	0.000	0.269	0.105	0.000	0.269	0.105
		Top Edge 10mm	0.288	0.108	0.135	0.020	0.416	0.443
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n78	Ant.1	Front Side 10mm	0.076	0.116	0.092	0.036	0.228	0.204
		Back Side 10mm	0.464	0.279	0.322	0.069	0.812	0.855
		Left Edge 10mm	0.000	0.126	0.086	0.066	0.192	0.152
		Right Edge 10mm	0.387	0.269	0.105	0.000	0.656	0.492
		Top Edge 10mm	0.000	0.108	0.135	0.020	0.128	0.155
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
n78	Ant.4	Front Side 10mm	0.024	0.116	0.092	0.036	0.176	0.152
		Back Side 10mm	0.401	0.279	0.322	0.069	0.749	0.792
		Left Edge 10mm	0.046	0.126	0.086	0.066	0.238	0.198
		Right Edge 10mm	0.000	0.269	0.105	0.000	0.269	0.105
		Top Edge 10mm	0.278	0.108	0.135	0.020	0.406	0.433
		Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000

Note:

1: The simultaneous transmission combinations of the antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.238 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.4 Specific Simultaneous Transmission SAR Evaluation for WWAN and WLAN and BT

Band	Antenna	Position	Stand alone SAR			SUM SAR	
			1	2	3	1+2	1+3
			WWAN	2.4GWIFI Max.	5GWIFI Max.		
			Table 7	Table 7	Table 7		
WCDMA B2	Ant.0	Bottom Edge 0mm	1.998	0.000	0.000	1.998	1.998
WCDMA B4	Ant.0	Back Side 0mm	1.714	0.506	0.304	2.220	2.018
		Bottom Edge 0mm	1.486	0.000	0.000	1.486	1.486
LTE B4	Ant.0	Back Side 0mm	0.935	0.506	0.304	1.441	1.239
		Bottom Edge 0mm	0.693	0.000	0.000	0.693	0.693
LTE B7	Ant.0	Back Side 0mm	1.315	0.506	0.304	1.821	1.619
LTE B66	Ant.0	Back Side 0mm	1.154	0.506	0.304	1.660	1.458
		Bottom Edge 0mm	0.753	0.000	0.000	0.753	0.753
n2	Ant.0	Bottom Edge 0mm	0.655	0.000	0.000	0.655	0.655
n25	Ant.0	Bottom Edge 0mm	0.692	0.000	0.000	0.692	0.692
n30	Ant.0	Bottom Edge 0mm	0.899	0.000	0.000	0.899	0.899
n41	Ant.0	Back Side 0mm	0.979	0.506	0.304	1.485	1.283
n66	Ant.0	Back Side 0mm	0.972	0.506	0.304	1.478	1.276
		Bottom Edge 0mm	0.685	0.000	0.000	0.685	0.685
n77	Ant.1	Back Side 0mm	0.694	0.506	0.304	1.200	0.998

		Bottom Edge 0mm	0.493	0.000	0.000	0.493	0.493
n77	Ant.4	Back Side 0mm	0.567	0.506	0.304	1.073	0.871
		Right Edge 0mm	0.362	0.428	0.214	0.790	0.576
n78	Ant.1	Back Side 0mm	0.661	0.506	0.304	1.167	0.965
		Bottom Edge 0mm	0.492	0.000	0.000	0.492	0.492
n78	Ant.4	Back Side 0mm	0.503	0.506	0.304	1.009	0.807
		Right Edge 0mm	0.348	0.428	0.214	0.776	0.562

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 10g SAR is 2.22 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.5 Head Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	NR Antenna	Position	Stand alone SAR						SUM SAR	
				LTE SAR	NR SAR	1	2	3	4		
						ENDC (LTE+NR)	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
						Table 2	Table 2	Table 2			
DC 2A+n5A	Ant.0	Ant.0	Left Cheek	0.342	0.235	0.577	0.418	0.127	0.028	1.023	0.732
			Left Tilt	0.119	0.145	0.264	0.250	0.117	0.021	0.535	0.402
			Right Cheek	0.201	0.195	0.396	0.277	0.107	0.025	0.698	0.528
			Right Tilt	0.113	0.152	0.265	0.215	0.124	0.018	0.498	0.407
DC 2A+n30A	Ant.0	Ant.0	Left Cheek	0.342	0.045	0.387	0.418	0.127	0.028	0.833	0.542
			Left Tilt	0.119	0.018	0.137	0.250	0.117	0.021	0.408	0.275
			Right Cheek	0.201	0.082	0.283	0.277	0.107	0.025	0.585	0.415
			Right Tilt	0.113	0.028	0.141	0.215	0.124	0.018	0.374	0.283
DC 2A+n41A	Ant.0	Ant.0	Left Cheek	0.342	0.114	0.456	0.418	0.127	0.028	0.902	0.611
			Left Tilt	0.119	0.086	0.205	0.250	0.117	0.021	0.476	0.343
			Right Cheek	0.201	0.104	0.305	0.277	0.107	0.025	0.607	0.437
			Right Tilt	0.113	0.082	0.195	0.215	0.124	0.018	0.428	0.337
DC 2A+n66A	Ant.0	Ant.0	Left Cheek	0.342	0.187	0.529	0.418	0.127	0.028	0.975	0.684
			Left Tilt	0.119	0.015	0.134	0.250	0.117	0.021	0.405	0.272
			Right Cheek	0.201	0.077	0.278	0.277	0.107	0.025	0.580	0.410
			Right Tilt	0.113	0.011	0.124	0.215	0.124	0.018	0.357	0.266
DC 2A+n77A	Ant.0	Ant.4	Left Cheek	0.342	0.447	0.789	0.418	0.127	0.028	1.235	0.944
			Left Tilt	0.119	0.533	0.652	0.250	0.117	0.021	0.923	0.790
			Right Cheek	0.201	0.512	0.713	0.277	0.107	0.025	1.015	0.845
			Right Tilt	0.113	0.678	0.791	0.215	0.124	0.018	1.024	0.933
DC 5A+n2A	Ant.0	Ant.0	Left Cheek	0.225	0.419	0.644	0.418	0.127	0.028	1.090	0.799
			Left Tilt	0.130	0.142	0.272	0.250	0.117	0.021	0.544	0.411
			Right Cheek	0.192	0.254	0.446	0.277	0.107	0.025	0.748	0.578
			Right Tilt	0.132	0.141	0.273	0.215	0.124	0.018	0.505	0.414
DC 5A+n30A	Ant.0	Ant.0	Left Cheek	0.225	0.045	0.270	0.418	0.127	0.028	0.716	0.425
			Left Tilt	0.130	0.018	0.148	0.250	0.117	0.021	0.420	0.287
			Right Cheek	0.192	0.082	0.274	0.277	0.107	0.025	0.576	0.406
			Right Tilt	0.132	0.028	0.160	0.215	0.124	0.018	0.392	0.301
DC 5A+n66A	Ant.0	Ant.0	Left Cheek	0.225	0.187	0.412	0.418	0.127	0.028	0.858	0.567
			Left Tilt	0.130	0.015	0.145	0.250	0.117	0.021	0.416	0.283
			Right Cheek	0.192	0.077	0.269	0.277	0.107	0.025	0.571	0.401
			Right Tilt	0.132	0.011	0.143	0.215	0.124	0.018	0.376	0.285
DC 5A+n77A	Ant.0	Ant.4	Left Cheek	0.225	0.447	0.672	0.418	0.127	0.028	1.118	0.827
			Left Tilt	0.130	0.533	0.663	0.250	0.117	0.021	0.935	0.802
			Right Cheek	0.192	0.512	0.704	0.277	0.107	0.025	1.006	0.836

			Right Tilt	0.132	0.678	0.810	0.215	0.124	0.018	1.042	0.951
DC 12A+n2A	Ant.0	Ant.0	Left Cheek	0.160	0.419	0.579	0.418	0.127	0.028	1.025	0.734
			Left Tilt	0.086	0.142	0.228	0.250	0.117	0.021	0.499	0.366
			Right Cheek	0.123	0.254	0.377	0.277	0.107	0.025	0.679	0.509
			Right Tilt	0.081	0.141	0.222	0.215	0.124	0.018	0.455	0.364
DC 12A+n5A	Ant.0	Ant.0	Left Cheek	0.160	0.235	0.395	0.418	0.127	0.028	0.841	0.550
			Left Tilt	0.086	0.145	0.231	0.250	0.117	0.021	0.502	0.369
			Right Cheek	0.123	0.195	0.318	0.277	0.107	0.025	0.620	0.450
			Right Tilt	0.081	0.152	0.233	0.215	0.124	0.018	0.466	0.375
DC 12A+n30A	Ant.0	Ant.0	Left Cheek	0.160	0.045	0.205	0.418	0.127	0.028	0.651	0.360
			Left Tilt	0.086	0.018	0.104	0.250	0.117	0.021	0.375	0.242
			Right Cheek	0.123	0.082	0.205	0.277	0.107	0.025	0.507	0.337
			Right Tilt	0.081	0.028	0.109	0.215	0.124	0.018	0.342	0.251
DC 12A+n66A	Ant.0	Ant.0	Left Cheek	0.160	0.187	0.347	0.418	0.127	0.028	0.793	0.502
			Left Tilt	0.086	0.015	0.100	0.250	0.117	0.021	0.372	0.239
			Right Cheek	0.123	0.077	0.200	0.277	0.107	0.025	0.502	0.332
			Right Tilt	0.081	0.011	0.092	0.215	0.124	0.018	0.325	0.234
DC 12A+n77A	Ant.0	Ant.4	Left Cheek	0.160	0.447	0.607	0.418	0.127	0.028	1.053	0.762
			Left Tilt	0.086	0.533	0.619	0.250	0.117	0.021	0.890	0.757
			Right Cheek	0.123	0.512	0.635	0.277	0.107	0.025	0.937	0.767
			Right Tilt	0.081	0.678	0.759	0.215	0.124	0.018	0.992	0.901
DC 13A+n2A	Ant.0	Ant.0	Left Cheek	0.162	0.419	0.581	0.418	0.127	0.028	1.027	0.736
			Left Tilt	0.117	0.142	0.259	0.250	0.117	0.021	0.531	0.398
			Right Cheek	0.193	0.254	0.447	0.277	0.107	0.025	0.749	0.579
			Right Tilt	0.125	0.141	0.266	0.215	0.124	0.018	0.499	0.408
DC 13A+n66A	Ant.0	Ant.0	Left Cheek	0.162	0.187	0.349	0.418	0.127	0.028	0.795	0.504
			Left Tilt	0.117	0.015	0.132	0.250	0.117	0.021	0.404	0.271
			Right Cheek	0.193	0.077	0.270	0.277	0.107	0.025	0.572	0.402
			Right Tilt	0.125	0.011	0.137	0.215	0.124	0.018	0.369	0.278
DC 13A+n77A	Ant.0	Ant.4	Left Cheek	0.162	0.447	0.609	0.418	0.127	0.028	1.055	0.764
			Left Tilt	0.117	0.533	0.650	0.250	0.117	0.021	0.922	0.789
			Right Cheek	0.193	0.512	0.705	0.277	0.107	0.025	1.007	0.837
			Right Tilt	0.125	0.678	0.803	0.215	0.124	0.018	1.036	0.945
DC 14A+n2A	Ant.0	Ant.0	Left Cheek	0.165	0.419	0.584	0.418	0.127	0.028	1.030	0.739
			Left Tilt	0.109	0.142	0.251	0.250	0.117	0.021	0.522	0.389
			Right Cheek	0.148	0.254	0.402	0.277	0.107	0.025	0.704	0.534
			Right Tilt	0.114	0.141	0.255	0.215	0.124	0.018	0.487	0.396
DC 14A+n30A	Ant.0	Ant.0	Left Cheek	0.165	0.045	0.210	0.418	0.127	0.028	0.656	0.365
			Left Tilt	0.109	0.018	0.127	0.250	0.117	0.021	0.398	0.265
			Right Cheek	0.148	0.082	0.230	0.277	0.107	0.025	0.532	0.362
			Right Tilt	0.114	0.028	0.142	0.215	0.124	0.018	0.374	0.283
DC 14A+n66A	Ant.0	Ant.0	Left Cheek	0.165	0.187	0.352	0.418	0.127	0.028	0.798	0.507
			Left Tilt	0.109	0.015	0.123	0.250	0.117	0.021	0.395	0.262

			Right Cheek	0.148	0.077	0.225	0.277	0.107	0.025	0.527	0.357
			Right Tilt	0.114	0.011	0.125	0.215	0.124	0.018	0.358	0.267
DC 14A+n77A	Ant.0	Ant.4	Left Cheek	0.165	0.447	0.612	0.418	0.127	0.028	1.058	0.767
			Left Tilt	0.109	0.533	0.642	0.250	0.117	0.021	0.913	0.780
			Right Cheek	0.148	0.512	0.660	0.277	0.107	0.025	0.962	0.792
			Right Tilt	0.114	0.678	0.792	0.215	0.124	0.018	1.024	0.933
DC 30A+n2A	Ant.0	Ant.0	Left Cheek	0.030	0.419	0.449	0.418	0.127	0.028	0.895	0.604
			Left Tilt	0.014	0.142	0.156	0.250	0.117	0.021	0.427	0.294
			Right Cheek	0.037	0.254	0.291	0.277	0.107	0.025	0.593	0.423
			Right Tilt	0.019	0.141	0.160	0.215	0.124	0.018	0.393	0.302
DC 30A+n5A	Ant.0	Ant.0	Left Cheek	0.030	0.235	0.265	0.418	0.127	0.028	0.711	0.420
			Left Tilt	0.014	0.145	0.159	0.250	0.117	0.021	0.430	0.297
			Right Cheek	0.037	0.195	0.232	0.277	0.107	0.025	0.534	0.364
			Right Tilt	0.019	0.152	0.171	0.215	0.124	0.018	0.404	0.313
DC 30A+n66A	Ant.0	Ant.0	Left Cheek	0.030	0.187	0.217	0.418	0.127	0.028	0.663	0.372
			Left Tilt	0.014	0.015	0.029	0.250	0.117	0.021	0.300	0.167
			Right Cheek	0.037	0.077	0.114	0.277	0.107	0.025	0.416	0.246
			Right Tilt	0.019	0.011	0.030	0.215	0.124	0.018	0.263	0.172
DC 48A+n5A	Ant.0	Ant.0	Left Cheek	0.219	0.235	0.454	0.418	0.127	0.028	0.900	0.609
			Left Tilt	0.060	0.145	0.205	0.250	0.117	0.021	0.476	0.343
			Right Cheek	0.547	0.195	0.742	0.277	0.107	0.025	1.044	0.874
			Right Tilt	0.081	0.152	0.233	0.215	0.124	0.018	0.466	0.375
DC 48A+n25A	Ant.0	Ant.0	Left Cheek	0.219	0.345	0.564	0.418	0.127	0.028	1.010	0.719
			Left Tilt	0.060	0.158	0.218	0.250	0.117	0.021	0.489	0.356
			Right Cheek	0.547	0.249	0.796	0.277	0.107	0.025	1.098	0.928
			Right Tilt	0.081	0.135	0.216	0.215	0.124	0.018	0.449	0.358
DC 48A+n66A	Ant.0	Ant.0	Left Cheek	0.219	0.187	0.406	0.418	0.127	0.028	0.852	0.561
			Left Tilt	0.060	0.015	0.075	0.250	0.117	0.021	0.346	0.213
			Right Cheek	0.547	0.077	0.624	0.277	0.107	0.025	0.926	0.756
			Right Tilt	0.081	0.011	0.092	0.215	0.124	0.018	0.325	0.234
DC 66A+n2A	Ant.0	Ant.0	Left Cheek	0.232	0.419	0.651	0.418	0.127	0.028	1.097	0.806
			Left Tilt	0.077	0.142	0.219	0.250	0.117	0.021	0.490	0.357
			Right Cheek	0.154	0.254	0.408	0.277	0.107	0.025	0.710	0.540
			Right Tilt	0.088	0.141	0.229	0.215	0.124	0.018	0.462	0.371
DC 66A+n5A	Ant.0	Ant.0	Left Cheek	0.232	0.235	0.467	0.418	0.127	0.028	0.913	0.622
			Left Tilt	0.077	0.145	0.222	0.250	0.117	0.021	0.493	0.360
			Right Cheek	0.154	0.195	0.349	0.277	0.107	0.025	0.651	0.481
			Right Tilt	0.088	0.152	0.240	0.215	0.124	0.018	0.473	0.382
DC 66A+n25A	Ant.0	Ant.0	Left Cheek	0.232	0.345	0.577	0.418	0.127	0.028	1.023	0.732
			Left Tilt	0.077	0.158	0.235	0.250	0.117	0.021	0.506	0.373
			Right Cheek	0.154	0.249	0.403	0.277	0.107	0.025	0.705	0.535
			Right Tilt	0.088	0.135	0.223	0.215	0.124	0.018	0.456	0.365
DC 66A+n30A	Ant.0	Ant.0	Left Cheek	0.232	0.045	0.277	0.418	0.127	0.028	0.723	0.432

			Left Tilt	0.077	0.018	0.095	0.250	0.117	0.021	0.366	0.233
			Right Cheek	0.154	0.082	0.236	0.277	0.107	0.025	0.538	0.368
			Right Tilt	0.088	0.028	0.116	0.215	0.124	0.018	0.349	0.258
DC 66A+n77A	Ant.0	Ant.4	Left Cheek	0.232	0.447	0.679	0.418	0.127	0.028	1.125	0.834
			Left Tilt	0.077	0.533	0.610	0.250	0.117	0.021	0.881	0.748
			Right Cheek	0.154	0.512	0.666	0.277	0.107	0.025	0.968	0.798
			Right Tilt	0.088	0.678	0.766	0.215	0.124	0.018	0.999	0.908

Note:

1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.235 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.6 Body-Worn Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	NR Antenna	Position	Stand alone SAR						SUM SAR	
				LTE SAR	NR SAR	1	2	3	4		
						ENDC (LTE+NR)	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
						Table 3	Table 3	Table 3	Table 3		
DC 2A+n5A	Ant.0	Ant.0	Front Side 15mm	0.139	0.155	0.294	0.195	0.119	0.011	0.500	0.424
			Back Side 15mm	0.235	0.293	0.528	0.468	0.382	0.021	1.017	0.931
DC 2A+n30A	Ant.0	Ant.0	Front Side 15mm	0.139	0.071	0.210	0.195	0.119	0.011	0.416	0.340
			Back Side 15mm	0.235	0.315	0.550	0.468	0.382	0.021	1.039	0.953
DC 2A+n41A	Ant.0	Ant.0	Front Side 15mm	0.139	0.011	0.150	0.195	0.119	0.011	0.356	0.280
			Back Side 15mm	0.235	0.256	0.491	0.468	0.382	0.021	0.980	0.894
DC 2A+n66A	Ant.0	Ant.0	Front Side 15mm	0.139	0.018	0.157	0.195	0.119	0.011	0.363	0.287
			Back Side 15mm	0.235	0.309	0.544	0.468	0.382	0.021	1.033	0.947
DC 2A+n77A	Ant.0	Ant.4	Front Side 15mm	0.139	0.084	0.223	0.195	0.119	0.011	0.429	0.353
			Back Side 15mm	0.235	0.261	0.496	0.468	0.382	0.021	0.985	0.899
DC 5A+n2A	Ant.0	Ant.0	Front Side 15mm	0.136	0.135	0.271	0.195	0.119	0.011	0.477	0.401
			Back Side 15mm	0.252	0.325	0.577	0.468	0.382	0.021	1.066	0.980
DC 5A+n30A	Ant.0	Ant.0	Front Side 15mm	0.136	0.071	0.207	0.195	0.119	0.011	0.413	0.337
			Back Side 15mm	0.252	0.315	0.567	0.468	0.382	0.021	1.056	0.970
DC 5A+n66A	Ant.0	Ant.0	Front Side 15mm	0.136	0.018	0.154	0.195	0.119	0.011	0.360	0.284
			Back Side 15mm	0.252	0.309	0.561	0.468	0.382	0.021	1.050	0.964
DC 5A+n77A	Ant.0	Ant.4	Front Side 15mm	0.136	0.084	0.220	0.195	0.119	0.011	0.426	0.350
			Back Side 15mm	0.252	0.261	0.513	0.468	0.382	0.021	1.002	0.916
DC 12A+n2A	Ant.0	Ant.0	Front Side 15mm	0.123	0.135	0.258	0.195	0.119	0.011	0.464	0.388
			Back Side 15mm	0.273	0.325	0.598	0.468	0.382	0.021	1.087	1.001
DC 12A+n5A	Ant.0	Ant.0	Front Side 15mm	0.123	0.155	0.278	0.195	0.119	0.011	0.484	0.408
			Back Side 15mm	0.273	0.293	0.566	0.468	0.382	0.021	1.055	0.969
DC 12A+n30A	Ant.0	Ant.0	Front Side 15mm	0.123	0.071	0.194	0.195	0.119	0.011	0.400	0.324
			Back Side 15mm	0.273	0.315	0.588	0.468	0.382	0.021	1.077	0.991
DC 12A+n66A	Ant.0	Ant.0	Front Side 15mm	0.123	0.018	0.141	0.195	0.119	0.011	0.347	0.271
			Back Side 15mm	0.273	0.309	0.582	0.468	0.382	0.021	1.071	0.985
DC 12A+n77A	Ant.0	Ant.4	Front Side 15mm	0.123	0.084	0.207	0.195	0.119	0.011	0.413	0.337
			Back Side 15mm	0.273	0.261	0.534	0.468	0.382	0.021	1.023	0.937
DC 13A+n2A	Ant.0	Ant.0	Front Side 15mm	0.133	0.135	0.268	0.195	0.119	0.011	0.474	0.398
			Back Side 15mm	0.323	0.325	0.648	0.468	0.382	0.021	1.137	1.051
DC 13A+n66A	Ant.0	Ant.0	Front Side 15mm	0.133	0.018	0.151	0.195	0.119	0.011	0.357	0.281
			Back Side 15mm	0.323	0.309	0.632	0.468	0.382	0.021	1.121	1.035
DC 13A+n77A	Ant.0	Ant.4	Front Side 15mm	0.133	0.084	0.217	0.195	0.119	0.011	0.423	0.347
			Back Side 15mm	0.323	0.261	0.584	0.468	0.382	0.021	1.073	0.987
DC 14A+n2A	Ant.0	Ant.0	Front Side 15mm	0.146	0.135	0.281	0.195	0.119	0.011	0.487	0.411

			Back Side 15mm	0.253	0.325	0.578	0.468	0.382	0.021	1.068	0.982
DC 14A+n30A	Ant.0	Ant.0	Front Side 15mm	0.146	0.071	0.217	0.195	0.119	0.011	0.423	0.347
			Back Side 15mm	0.253	0.315	0.568	0.468	0.382	0.021	1.058	0.972
DC 14A+n66A	Ant.0	Ant.0	Front Side 15mm	0.146	0.018	0.164	0.195	0.119	0.011	0.370	0.294
			Back Side 15mm	0.253	0.309	0.562	0.468	0.382	0.021	1.052	0.966
DC 14A+n77A	Ant.0	Ant.4	Front Side 15mm	0.146	0.084	0.230	0.195	0.119	0.011	0.436	0.360
			Back Side 15mm	0.253	0.261	0.514	0.468	0.382	0.021	1.004	0.918
DC 30A+n2A	Ant.0	Ant.0	Front Side 15mm	0.090	0.135	0.225	0.195	0.119	0.011	0.431	0.355
			Back Side 15mm	0.389	0.325	0.714	0.468	0.382	0.021	1.203	1.117
DC 30A+n5A	Ant.0	Ant.0	Front Side 15mm	0.090	0.155	0.245	0.195	0.119	0.011	0.451	0.375
			Back Side 15mm	0.389	0.293	0.682	0.468	0.382	0.021	1.171	1.085
DC 30A+n66A	Ant.0	Ant.0	Front Side 15mm	0.090	0.018	0.108	0.195	0.119	0.011	0.314	0.238
			Back Side 15mm	0.389	0.309	0.698	0.468	0.382	0.021	1.187	1.101
DC 48A+n5A	Ant.0	Ant.0	Front Side 15mm	0.033	0.155	0.188	0.195	0.119	0.011	0.394	0.318
			Back Side 15mm	0.250	0.293	0.543	0.468	0.382	0.021	1.032	0.946
DC 48A+n25A	Ant.0	Ant.0	Front Side 15mm	0.033	0.111	0.144	0.195	0.119	0.011	0.350	0.274
			Back Side 15mm	0.250	0.366	0.616	0.468	0.382	0.021	1.105	1.019
DC 48A+n66A	Ant.0	Ant.0	Front Side 15mm	0.033	0.018	0.051	0.195	0.119	0.011	0.257	0.181
			Back Side 15mm	0.250	0.309	0.559	0.468	0.382	0.021	1.048	0.962
DC 66A+n2A	Ant.0	Ant.0	Front Side 15mm	0.017	0.135	0.152	0.195	0.119	0.011	0.358	0.282
			Back Side 15mm	0.316	0.325	0.641	0.468	0.382	0.021	1.130	1.044
DC 66A+n5A	Ant.0	Ant.0	Front Side 15mm	0.017	0.155	0.172	0.195	0.119	0.011	0.378	0.302
			Back Side 15mm	0.316	0.293	0.609	0.468	0.382	0.021	1.098	1.012
DC 66A+n25A	Ant.0	Ant.0	Front Side 15mm	0.017	0.111	0.128	0.195	0.119	0.011	0.334	0.258
			Back Side 15mm	0.316	0.366	0.682	0.468	0.382	0.021	1.171	1.085
DC 66A+n30A	Ant.0	Ant.0	Front Side 15mm	0.017	0.071	0.088	0.195	0.119	0.011	0.294	0.218
			Back Side 15mm	0.316	0.315	0.631	0.468	0.382	0.021	1.120	1.034
DC 66A+n77A	Ant.0	Ant.4	Front Side 15mm	0.017	0.084	0.101	0.195	0.119	0.011	0.307	0.231
			Back Side 15mm	0.316	0.261	0.577	0.468	0.382	0.021	1.066	0.980

Note:

1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.203 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.7 Hotspot Simultaneous Transmission SAR Evaluation for ENDC and WLAN and BT

Band	LTE Antenna	NR Antenna	Position	Stand alone SAR						SUM SAR	
				LTE SAR	NR SAR	1	2	3	4		
						ENDC (LTE+NR)	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
						Table 7	Table 7	Table 7	Table 7		
DC 2A+n5A	Ant.0	Ant.0	Front Side 10mm	0.228	0.144	0.372	0.116	0.092	0.036	0.523	0.499
			Back Side 10mm	0.293	0.377	0.670	0.279	0.322	0.069	1.018	1.061
			Left Edge 10mm	0.141	0.179	0.320	0.126	0.086	0.066	0.512	0.472
			Right Edge 10mm	0.079	0.170	0.249	0.269	0.105	0.000	0.518	0.354
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.330	0.150	0.480	0.000	0.000	0.000	0.480	0.480
DC 2A+n30A	Ant.0	Ant.0	Front Side 10mm	0.228	0.089	0.317	0.116	0.092	0.036	0.468	0.444
			Back Side 10mm	0.293	0.457	0.750	0.279	0.322	0.069	1.098	1.141
			Left Edge 10mm	0.141	0.014	0.155	0.126	0.086	0.066	0.347	0.307
			Right Edge 10mm	0.079	0.062	0.141	0.269	0.105	0.000	0.410	0.246
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.330	0.254	0.584	0.000	0.000	0.000	0.584	0.584
DC 2A+n41A	Ant.0	Ant.0	Front Side 10mm	0.228	0.062	0.290	0.116	0.092	0.036	0.441	0.417
			Back Side 10mm	0.293	0.634	0.927	0.279	0.322	0.069	1.275	1.318
			Left Edge 10mm	0.141	0.015	0.156	0.126	0.086	0.066	0.348	0.308
			Right Edge 10mm	0.079	0.014	0.093	0.269	0.105	0.000	0.362	0.198
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.330	0.192	0.522	0.000	0.000	0.000	0.522	0.522
DC 2A+n66A	Ant.0	Ant.0	Front Side 10mm	0.228	0.023	0.251	0.116	0.092	0.036	0.402	0.378
			Back Side 10mm	0.293	0.465	0.758	0.279	0.322	0.069	1.106	1.149
			Left Edge 10mm	0.141	0.017	0.158	0.126	0.086	0.066	0.350	0.310
			Right Edge 10mm	0.079	0.012	0.091	0.269	0.105	0.000	0.360	0.196
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.330	0.271	0.601	0.000	0.000	0.000	0.601	0.601
DC 2A+n77A	Ant.0	Ant.4	Front Side 10mm	0.228	0.032	0.260	0.116	0.092	0.036	0.411	0.387
			Back Side 10mm	0.293	0.409	0.702	0.279	0.322	0.069	1.050	1.093
			Left Edge 10mm	0.141	0.045	0.186	0.126	0.086	0.066	0.378	0.338
			Right Edge 10mm	0.079	0.000	0.079	0.269	0.105	0.000	0.348	0.184
			Top Edge 10mm	0.000	0.288	0.288	0.108	0.135	0.020	0.416	0.443
			Bottom Edge 10mm	0.330	0.000	0.330	0.000	0.000	0.000	0.330	0.330
DC 5A+n2A	Ant.0	Ant.0	Front Side 10mm	0.138	0.154	0.292	0.116	0.092	0.036	0.443	0.419
			Back Side 10mm	0.331	0.337	0.668	0.279	0.322	0.069	1.016	1.059
			Left Edge 10mm	0.173	0.103	0.276	0.126	0.086	0.066	0.468	0.428
			Right Edge 10mm	0.168	0.065	0.233	0.269	0.105	0.000	0.502	0.338
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155

			Bottom Edge 10mm	0.135	0.469	0.604	0.000	0.000	0.000	0.604	0.604
DC 5A+n30A	Ant.0	Ant.0	Front Side 10mm	0.138	0.089	0.227	0.116	0.092	0.036	0.378	0.354
			Back Side 10mm	0.331	0.457	0.788	0.279	0.322	0.069	1.136	1.179
			Left Edge 10mm	0.173	0.014	0.187	0.126	0.086	0.066	0.379	0.339
			Right Edge 10mm	0.168	0.062	0.230	0.269	0.105	0.000	0.499	0.335
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.135	0.254	0.389	0.000	0.000	0.000	0.389	0.389
DC 5A+n66A	Ant.0	Ant.0	Front Side 10mm	0.138	0.023	0.161	0.116	0.092	0.036	0.312	0.288
			Back Side 10mm	0.331	0.465	0.796	0.279	0.322	0.069	1.144	1.187
			Left Edge 10mm	0.173	0.017	0.190	0.126	0.086	0.066	0.382	0.342
			Right Edge 10mm	0.168	0.012	0.180	0.269	0.105	0.000	0.449	0.285
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.135	0.271	0.406	0.000	0.000	0.000	0.406	0.406
DC 5A+n77A	Ant.0	Ant.4	Front Side 10mm	0.138	0.032	0.170	0.116	0.092	0.036	0.321	0.297
			Back Side 10mm	0.331	0.409	0.740	0.279	0.322	0.069	1.088	1.131
			Left Edge 10mm	0.173	0.045	0.218	0.126	0.086	0.066	0.410	0.370
			Right Edge 10mm	0.168	0.000	0.168	0.269	0.105	0.000	0.437	0.273
			Top Edge 10mm	0.000	0.288	0.288	0.108	0.135	0.020	0.416	0.443
			Bottom Edge 10mm	0.135	0.000	0.135	0.000	0.000	0.000	0.135	0.135
DC 12A+n2A	Ant.0	Ant.0	Front Side 10mm	0.143	0.154	0.297	0.116	0.092	0.036	0.449	0.425
			Back Side 10mm	0.332	0.337	0.669	0.279	0.322	0.069	1.017	1.060
			Left Edge 10mm	0.186	0.103	0.289	0.126	0.086	0.066	0.481	0.441
			Right Edge 10mm	0.211	0.065	0.276	0.269	0.105	0.000	0.545	0.381
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.067	0.469	0.536	0.000	0.000	0.000	0.536	0.536
DC 12A+n5A	Ant.0	Ant.0	Front Side 10mm	0.143	0.144	0.287	0.116	0.092	0.036	0.439	0.415
			Back Side 10mm	0.332	0.377	0.709	0.279	0.322	0.069	1.057	1.100
			Left Edge 10mm	0.186	0.179	0.365	0.126	0.086	0.066	0.557	0.517
			Right Edge 10mm	0.211	0.170	0.381	0.269	0.105	0.000	0.650	0.486
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.067	0.150	0.217	0.000	0.000	0.000	0.217	0.217
DC 12A+n30A	Ant.0	Ant.0	Front Side 10mm	0.143	0.089	0.232	0.116	0.092	0.036	0.384	0.360
			Back Side 10mm	0.332	0.457	0.789	0.279	0.322	0.069	1.137	1.180
			Left Edge 10mm	0.186	0.014	0.200	0.126	0.086	0.066	0.392	0.352
			Right Edge 10mm	0.211	0.062	0.273	0.269	0.105	0.000	0.542	0.378
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.067	0.254	0.321	0.000	0.000	0.000	0.321	0.321
DC 12A+n66A	Ant.0	Ant.0	Front Side 10mm	0.143	0.023	0.166	0.116	0.092	0.036	0.318	0.294
			Back Side 10mm	0.332	0.465	0.797	0.279	0.322	0.069	1.145	1.188
			Left Edge 10mm	0.186	0.017	0.203	0.126	0.086	0.066	0.395	0.355
			Right Edge 10mm	0.211	0.012	0.223	0.269	0.105	0.000	0.492	0.328
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.067	0.271	0.338	0.000	0.000	0.000	0.338	0.338

DC 12A+n77A	Ant.0	Ant.4	Front Side 10mm	0.143	0.032	0.175	0.116	0.092	0.036	0.327	0.303
			Back Side 10mm	0.332	0.409	0.741	0.279	0.322	0.069	1.089	1.132
			Left Edge 10mm	0.186	0.045	0.231	0.126	0.086	0.066	0.423	0.383
			Right Edge 10mm	0.211	0.000	0.211	0.269	0.105	0.000	0.480	0.316
			Top Edge 10mm	0.000	0.288	0.288	0.108	0.135	0.020	0.416	0.443
			Bottom Edge 10mm	0.067	0.000	0.067	0.000	0.000	0.000	0.067	0.067
DC 13A+n2A	Ant.0	Ant.0	Front Side 10mm	0.122	0.154	0.276	0.116	0.092	0.036	0.428	0.404
			Back Side 10mm	0.383	0.337	0.720	0.279	0.322	0.069	1.068	1.111
			Left Edge 10mm	0.160	0.103	0.263	0.126	0.086	0.066	0.455	0.415
			Right Edge 10mm	0.158	0.065	0.223	0.269	0.105	0.000	0.492	0.328
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.108	0.469	0.577	0.000	0.000	0.000	0.577	0.577
DC 13A+n66A	Ant.0	Ant.0	Front Side 10mm	0.122	0.023	0.145	0.116	0.092	0.036	0.297	0.273
			Back Side 10mm	0.383	0.465	0.848	0.279	0.322	0.069	1.196	1.239
			Left Edge 10mm	0.160	0.017	0.177	0.126	0.086	0.066	0.369	0.329
			Right Edge 10mm	0.158	0.012	0.170	0.269	0.105	0.000	0.439	0.275
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.108	0.271	0.379	0.000	0.000	0.000	0.379	0.379
DC 13A+n77A	Ant.0	Ant.4	Front Side 10mm	0.122	0.032	0.154	0.116	0.092	0.036	0.306	0.282
			Back Side 10mm	0.383	0.409	0.792	0.279	0.322	0.069	1.140	1.183
			Left Edge 10mm	0.160	0.045	0.205	0.126	0.086	0.066	0.397	0.357
			Right Edge 10mm	0.158	0.000	0.158	0.269	0.105	0.000	0.427	0.263
			Top Edge 10mm	0.000	0.288	0.288	0.108	0.135	0.020	0.416	0.443
			Bottom Edge 10mm	0.108	0.000	0.108	0.000	0.000	0.000	0.108	0.108
DC 14A+n2A	Ant.0	Ant.0	Front Side 10mm	0.133	0.154	0.287	0.116	0.092	0.036	0.439	0.415
			Back Side 10mm	0.266	0.337	0.603	0.279	0.322	0.069	0.951	0.994
			Left Edge 10mm	0.172	0.103	0.275	0.126	0.086	0.066	0.467	0.427
			Right Edge 10mm	0.173	0.065	0.238	0.269	0.105	0.000	0.507	0.343
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.121	0.469	0.590	0.000	0.000	0.000	0.590	0.590
DC 14A+n30A	Ant.0	Ant.0	Front Side 10mm	0.133	0.089	0.222	0.116	0.092	0.036	0.374	0.350
			Back Side 10mm	0.266	0.457	0.723	0.279	0.322	0.069	1.071	1.114
			Left Edge 10mm	0.172	0.014	0.186	0.126	0.086	0.066	0.378	0.338
			Right Edge 10mm	0.173	0.062	0.235	0.269	0.105	0.000	0.504	0.340
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.121	0.254	0.375	0.000	0.000	0.000	0.375	0.375
DC 14A+n66A	Ant.0	Ant.0	Front Side 10mm	0.133	0.023	0.156	0.116	0.092	0.036	0.308	0.284
			Back Side 10mm	0.266	0.465	0.731	0.279	0.322	0.069	1.079	1.122
			Left Edge 10mm	0.172	0.017	0.189	0.126	0.086	0.066	0.381	0.341
			Right Edge 10mm	0.173	0.012	0.185	0.269	0.105	0.000	0.454	0.290
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.121	0.271	0.392	0.000	0.000	0.000	0.392	0.392
DC 14A+n77A	Ant.0	Ant.4	Front Side 10mm	0.133	0.032	0.165	0.116	0.092	0.036	0.317	0.293

			Back Side 10mm	0.266	0.409	0.675	0.279	0.322	0.069	1.023	1.066
			Left Edge 10mm	0.172	0.045	0.217	0.126	0.086	0.066	0.409	0.369
			Right Edge 10mm	0.173	0.000	0.173	0.269	0.105	0.000	0.442	0.278
			Top Edge 10mm	0.000	0.288	0.288	0.108	0.135	0.020	0.416	0.443
			Bottom Edge 10mm	0.121	0.000	0.121	0.000	0.000	0.000	0.121	0.121
DC 30A+n2A	Ant.0	Ant.0	Front Side 10mm	0.116	0.154	0.270	0.116	0.092	0.036	0.422	0.398
			Back Side 10mm	0.599	0.337	0.936	0.279	0.322	0.069	1.284	1.327
			Left Edge 10mm	0.074	0.103	0.177	0.126	0.086	0.066	0.369	0.329
			Right Edge 10mm	0.086	0.065	0.151	0.269	0.105	0.000	0.420	0.256
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.355	0.469	0.824	0.000	0.000	0.000	0.824	0.824
DC 30A+n5A	Ant.0	Ant.0	Front Side 10mm	0.116	0.144	0.260	0.116	0.092	0.036	0.412	0.388
			Back Side 10mm	0.599	0.377	0.976	0.279	0.322	0.069	1.324	1.367
			Left Edge 10mm	0.074	0.179	0.253	0.126	0.086	0.066	0.445	0.405
			Right Edge 10mm	0.086	0.170	0.256	0.269	0.105	0.000	0.525	0.361
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.355	0.150	0.505	0.000	0.000	0.000	0.505	0.505
DC 30A+n66A	Ant.0	Ant.0	Front Side 10mm	0.116	0.023	0.139	0.116	0.092	0.036	0.291	0.267
			Back Side 10mm	0.599	0.465	1.064	0.279	0.322	0.069	1.412	1.455
			Left Edge 10mm	0.074	0.017	0.091	0.126	0.086	0.066	0.283	0.243
			Right Edge 10mm	0.086	0.012	0.098	0.269	0.105	0.000	0.367	0.203
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.355	0.271	0.626	0.000	0.000	0.000	0.626	0.626
DC 48A+n5A	Ant.0	Ant.0	Front Side 10mm	0.071	0.144	0.215	0.116	0.092	0.036	0.367	0.343
			Back Side 10mm	0.308	0.377	0.685	0.279	0.322	0.069	1.033	1.076
			Left Edge 10mm	0.000	0.179	0.179	0.126	0.086	0.066	0.371	0.331
			Right Edge 10mm	0.448	0.170	0.618	0.269	0.105	0.000	0.887	0.723
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.000	0.150	0.150	0.000	0.000	0.000	0.150	0.150
DC 48A+n25A	Ant.0	Ant.0	Front Side 10mm	0.071	0.146	0.217	0.116	0.092	0.036	0.369	0.345
			Back Side 10mm	0.308	0.321	0.629	0.279	0.322	0.069	0.977	1.020
			Left Edge 10mm	0.000	0.096	0.096	0.126	0.086	0.066	0.288	0.248
			Right Edge 10mm	0.448	0.055	0.503	0.269	0.105	0.000	0.772	0.608
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.000	0.470	0.470	0.000	0.000	0.000	0.470	0.470
DC 48A+n66A	Ant.0	Ant.0	Front Side 10mm	0.071	0.023	0.094	0.116	0.092	0.036	0.246	0.222
			Back Side 10mm	0.308	0.465	0.773	0.279	0.322	0.069	1.121	1.164
			Left Edge 10mm	0.000	0.017	0.017	0.126	0.086	0.066	0.209	0.169
			Right Edge 10mm	0.448	0.012	0.460	0.269	0.105	0.000	0.729	0.565
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.000	0.271	0.271	0.000	0.000	0.000	0.271	0.271
DC 66A+n2A	Ant.0	Ant.0	Front Side 10mm	0.024	0.154	0.178	0.116	0.092	0.036	0.330	0.306
			Back Side 10mm	0.541	0.337	0.878	0.279	0.322	0.069	1.226	1.269

			Left Edge 10mm	0.011	0.103	0.114	0.126	0.086	0.066	0.306	0.266
			Right Edge 10mm	0.013	0.065	0.078	0.269	0.105	0.000	0.347	0.183
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.301	0.469	0.770	0.000	0.000	0.000	0.770	0.770
DC 66A+n5A	Ant.0	Ant.0	Front Side 10mm	0.024	0.144	0.168	0.116	0.092	0.036	0.320	0.296
			Back Side 10mm	0.541	0.377	0.918	0.279	0.322	0.069	1.266	1.309
			Left Edge 10mm	0.011	0.179	0.190	0.126	0.086	0.066	0.382	0.342
			Right Edge 10mm	0.013	0.170	0.183	0.269	0.105	0.000	0.452	0.288
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.301	0.150	0.451	0.000	0.000	0.000	0.451	0.451
DC 66A+n25A	Ant.0	Ant.0	Front Side 10mm	0.024	0.146	0.170	0.116	0.092	0.036	0.322	0.298
			Back Side 10mm	0.541	0.321	0.862	0.279	0.322	0.069	1.210	1.253
			Left Edge 10mm	0.011	0.096	0.107	0.126	0.086	0.066	0.299	0.259
			Right Edge 10mm	0.013	0.055	0.068	0.269	0.105	0.000	0.337	0.173
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.301	0.470	0.771	0.000	0.000	0.000	0.771	0.771
DC 66A+n30A	Ant.0	Ant.0	Front Side 10mm	0.024	0.089	0.113	0.116	0.092	0.036	0.265	0.241
			Back Side 10mm	0.541	0.457	0.998	0.279	0.322	0.069	1.346	1.389
			Left Edge 10mm	0.011	0.000	0.011	0.126	0.086	0.066	0.203	0.163
			Right Edge 10mm	0.013	0.062	0.075	0.269	0.105	0.000	0.344	0.180
			Top Edge 10mm	0.000	0.000	0.000	0.108	0.135	0.020	0.128	0.155
			Bottom Edge 10mm	0.301	0.254	0.555	0.000	0.000	0.000	0.555	0.555
DC 66A+n77A	Ant.0	Ant.4	Front Side 10mm	0.024	0.032	0.056	0.116	0.092	0.036	0.208	0.184
			Back Side 10mm	0.541	0.409	0.950	0.279	0.322	0.069	1.298	1.341
			Left Edge 10mm	0.011	0.045	0.056	0.126	0.086	0.066	0.248	0.208
			Right Edge 10mm	0.013	0.000	0.013	0.269	0.105	0.000	0.282	0.118
			Top Edge 10mm	0.000	0.288	0.288	0.108	0.135	0.020	0.416	0.443
			Bottom Edge 10mm	0.301	0.000	0.301	0.000	0.000	0.000	0.301	0.301

Note:

1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.455 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.8 Head Simultaneous Transmission SAR Evaluation for NR MIMO and WLAN and BT

Band	NR Antenna	NR Antenna	Position	Stand alone SAR						SUM SAR	
				NR SAR	NR SAR	1	2	3	4		
						NR MIMO (NR+NR)	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
				Table 2	Table 2	Table 2	Table 2	Table 2			
n77	Ant.1	Ant.4	Left Cheek	0.510	0.447	0.957	0.418	0.127	0.028	1.403	1.112
			Left Tilt	0.207	0.533	0.740	0.250	0.117	0.021	1.011	0.878
			Right Cheek	0.534	0.512	1.046	0.277	0.107	0.025	1.348	1.178
			Right Tilt	0.104	0.678	0.782	0.215	0.124	0.018	1.015	0.924
n78	Ant.1	Ant.4	Left Cheek	0.286	0.553	0.839	0.418	0.127	0.028	1.285	0.994
			Left Tilt	0.130	0.707	0.837	0.250	0.117	0.021	1.108	0.975
			Right Cheek	0.548	0.516	1.064	0.277	0.107	0.025	1.366	1.196
			Right Tilt	0.222	0.633	0.855	0.215	0.124	0.018	1.088	0.997

Note:

1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.403 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.9 Body-Worn Simultaneous Transmission SAR Evaluation for NR MIMO and WLAN and BT

Band	NR Antenna	NR Antenna	Position	Stand alone SAR						SUM SAR	
				NR SAR	NR SAR	1	2	3	4		
						NR MIMO (NR+NR)	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
				Table 3	Table 3	Table 3	Table 3	Table 3			
n77	Ant.1	Ant.4	Front Side 15mm	0.116	0.084	0.200	0.195	0.119	0.011	0.406	0.330
			Back Side 15mm	0.431	0.261	0.692	0.468	0.382	0.021	1.181	1.095
n78	Ant.1	Ant.4	Front Side 15mm	0.116	0.028	0.144	0.195	0.119	0.011	0.350	0.274
			Back Side 15mm	0.431	0.241	0.672	0.468	0.382	0.021	1.161	1.075

Note:

1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.181 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.10 Hotspot Simultaneous Transmission SAR Evaluation for NR MIMO and WLAN and BT

Band	NR Antenna	NR Antenna	Position	Stand alone SAR						SUM SAR	
				NR SAR	NR SAR	1	2	3	4		
						NR MIMO (NR+NR)	2.4GWIFI Max.	5GWIFI Max.	Bluetooth Max.	1+2+4	1+3+4
				Table 2	Table 2	Table 2	Table 2	Table 2			
n77	Ant.1	Ant.4	Front Side 10mm	0.186	0.032	0.218	0.116	0.092	0.036	0.370	0.346
			Back Side 10mm	0.495	0.409	0.904	0.279	0.322	0.069	1.252	1.295
			Left Edge 10mm	0.000	0.045	0.045	0.126	0.086	0.066	0.237	0.197
			Right Edge 10mm	0.433	0.000	0.433	0.269	0.105	0.000	0.702	0.538
			Top Edge 10mm	0.000	0.288	0.288	0.108	0.135	0.020	0.416	0.443
			Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
n78	Ant.1	Ant.4	Front Side 10mm	0.186	0.024	0.210	0.116	0.092	0.036	0.362	0.338
			Back Side 10mm	0.495	0.401	0.896	0.279	0.322	0.069	1.244	1.287
			Left Edge 10mm	0.000	0.046	0.046	0.126	0.086	0.066	0.238	0.198
			Right Edge 10mm	0.433	0.000	0.433	0.269	0.105	0.000	0.702	0.538
			Top Edge 10mm	0.000	0.278	0.278	0.108	0.135	0.020	0.406	0.433
			Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Note:											
1: The simultaneous transmission combinations of the multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.											
2: The highest Summed 1g SAR is 1.295 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.											

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
Test Software	Speag	DASY8	16.0.0.65	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2300MHz Validation Dipole	Speag	D2300V2	SN: 1014	2024/05/09	2027/05/08
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
3500MHz Validation Dipole	Speag	D3500V2	SN: 1129	2024/07/19	2027/07/18
3700MHz Validation Dipole	Speag	D3700V2	SN: 1101	2024/07/18	2027/07/17
3900MHz Validation Dipole	Speag	D3900V2	SN: 1077	2024/07/19	2027/07/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
6.5GHz Validation Dipole	Speag	D6.5GHzV2	SN: 1037	2024/05/28	2027/05/27
Data Acquisition Electronicsr	Speag	DAE4	SN: 1711	2024/03/18	2025/03/17
Data Acquisition Electronicsr	Speag	DAE4	SN: 540	2024/02/22	2025/02/21
E-Field Probe	Speag	EX3DV4	SN: 7350	2023/12/13	2024/12/12
E-Field Probe	Speag	EX3DV4	SN: 7510	2024/06/25	2025/06/24
Signal Generator	R&S	SMB100A	177746	2024/04/24	2025/04/23
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2024/05/29	2025/05/28
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/13
Thermometer	Elitech	RC-4	EF5238001629	2023/10/09	2024/10/08
Thermometer	Elitech	RC-4HC	EF7239002655	2023/11/17	2024/11/16
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1857	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an SCLMP Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.09.11	Head	750	21.5	0.896	42.075	0.89	41.9	0.67	0.42
2024.09.12	Head	750	21.8	0.885	42.281	0.89	41.9	-0.56	0.91
2024.09.13	Head	750	22.0	0.876	42.260	0.89	41.9	-1.57	0.86
2024.08.17	Head	835	22.5	0.899	41.311	0.90	41.50	-0.28	-0.46
2024.08.18	Head	835	22.0	0.918	41.992	0.90	41.50	1.83	1.19
2024.08.19	Head	1750	21.5	1.360	39.994	1.37	40	-0.73	-0.02
2024.08.20	Head	1750	21.6	1.346	39.701	1.37	40	-1.75	-0.75
2024.09.14	Head	1950	21.8	1.394	40.486	1.4	40	-0.43	1.21
2024.09.15	Head	1950	21.5	1.418	39.796	1.4	40	1.29	-0.51
2024.09.16	Head	1950	21.2	1.430	40.186	1.4	40	2.14	0.47
2024.09.10	Head	2300	21.7	1.695	39.132	1.67	39.5	1.50	-0.93
2024.09.02	Head	2450	21.4	1.824	39.508	1.8	39.2	1.33	0.79
2024.09.03	Head	2450	21.5	1.836	39.326	1.8	39.2	2.00	0.32
2024.08.14	Head	2600	21.3	1.918	38.108	1.96	39.01	-2.14	-2.31
2024.08.15	Head	2600	21.2	1.928	38.235	1.96	39.01	-1.63	-1.99
2024.08.16	Head	2600	21.6	1.908	38.371	1.96	39.01	-2.65	-1.64
2024.08.26	Head	3500	21.1	2.993	38.571	2.91	37.93	2.84	1.69
2024.08.27	Head	3500	21.8	2.985	37.289	2.91	37.93	2.58	-1.69
2024.08.27	Head	3700	21.8	3.198	37.114	3.12	37.7	2.49	-1.56
2024.08.28	Head	3700	20.9	3.177	38.436	3.12	37.7	1.83	1.95
2024.08.29	Head	3500	21.6	2.978	38.504	2.91	37.93	2.35	1.51
2024.08.30	Head	3700	20.8	3.180	37.145	3.12	37.7	1.92	-1.47
2024.08.31	Head	3900	21.4	3.401	36.991	3.33	37.5	2.13	-1.36
2024.09.04	Head	5250	22.0	4.804	35.258	4.71	35.95	1.99	-1.93
2024.09.05	Head	5250	22.3	4.827	35.382	4.71	35.95	2.49	-1.58
2024.09.06	Head	5600	21.5	5.153	35.029	5.07	35.5	1.64	-1.33
2024.09.07	Head	5600	21.9	5.202	34.608	5.07	35.5	2.60	-2.51
2024.09.08	Head	5750	22.3	5.375	34.242	5.22	35.35	2.97	-3.14
2024.09.09	Head	5750	22.6	5.347	34.012	5.22	35.35	2.44	-3.78
2024.08.24	Head	6500	21.5	6.12	35.08	6.07	34.46	0.82	1.80

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

ANNEX B SYSTEM CHECK RESULT

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

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.09.11	750	100	0.784	7.84	8.46	-7.33
2024.09.12	750	100	0.776	7.76	8.46	-8.27
2024.09.13	750	100	0.806	8.06	8.46	-4.73
2024.08.17	835	100	0.920	9.20	9.74	-5.54
2024.08.18	835	100	0.958	9.58	9.74	-1.64
2024.08.19	1750	100	3.57	35.7	37.0	-3.51
2024.08.20	1750	100	3.73	37.3	37.0	0.81
2024.09.14	1950	100	4.30	43.0	41.7	3.12
2024.09.15	1950	100	4.41	44.1	41.7	5.76
2024.09.16	1950	100	4.2	42	41.7	0.72
2024.09.10	2300	100	4.87	48.7	50.2	-2.99
2024.09.02	2450	100	5.62	56.2	52.6	6.84
2024.09.03	2450	100	5.38	53.8	52.6	2.28
2024.08.14	2600	100	5.89	58.9	55.9	5.37
2024.08.15	2600	100	5.74	57.4	55.9	2.68
2024.08.16	2600	100	5.53	55.3	55.9	-1.07
2024.08.26	3500	100	6.45	64.5	68.0	-5.15
2024.08.27	3500	100	6.83	68.3	68.0	0.44
2024.08.27	3700	100	6.94	69.4	66.7	4.05
2024.08.28	3700	100	7.01	70.1	66.7	5.10
2024.08.29	3500	100	6.32	63.2	68.0	-7.06
2024.08.30	3700	100	7.12	71.2	66.7	6.75
2024.08.31	3900	100	7.31	73.1	67.6	8.14
2024.09.04	5250	100	7.95	79.5	77.7	2.32
2024.09.05	5250	100	7.76	77.6	77.7	-0.13
2024.09.06	5600	100	8.44	84.4	81.3	3.81
2024.09.07	5600	100	8.77	87.7	81.3	7.87
2024.09.08	5750	100	8.51	85.1	77.6	9.66
2024.09.09	5750	100	8.27	82.7	77.6	6.57
2024.08.24	6500	100	30.400	304	299.0	1.67
2024.08.25	6500	100	29.500	295	299.0	-1.34

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

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

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.08.19	1750	100	1.9	19	19.7	-3.55
2024.08.20	1750	100	1.96	19.6	19.7	-0.51
2024.09.14	1950	100	2.01	20.1	21.7	-7.37
2024.09.15	1950	100	2.11	21.1	21.7	-2.76
2024.09.16	1950	100	2.17	21.7	21.7	0.00
2024.09.10	2300	100	2.26	22.6	23.9	-5.44
2024.09.02	2450	100	2.6	26	24.7	5.26
2024.09.03	2450	100	2.55	25.5	24.7	3.24
2024.08.14	2600	100	2.67	26.7	25.4	5.12
2024.08.15	2600	100	2.6	26	25.4	2.36
2024.08.16	2600	100	2.36	23.6	25.4	-7.09
2024.08.26	3500	100	2.49	24.9	26.1	-4.60
2024.08.27	3500	100	2.52	25.2	26.1	-3.45
2024.08.27	3700	100	2.5	25	24.6	1.63
2024.08.28	3700	100	2.52	25.2	24.6	2.44
2024.08.29	3500	100	2.45	24.5	26.1	-6.13
2024.08.30	3700	100	2.56	25.6	24.6	4.07
2024.08.31	3900	100	2.42	24.2	23.6	2.54
2024.09.04	5250	100	2.28	22.8	22	3.64
2024.09.05	5250	100	2.21	22.1	22	0.45
2024.09.06	5600	100	2.39	23.9	23.1	3.46
2024.09.07	5600	100	2.51	25.1	23.1	8.66
2024.09.08	5750	100	2.34	23.4	21.9	6.85
2024.09.09	5750	100	2.29	22.9	21.9	4.57
2024.08.24	6500	100	5.620	56.2	55.2	1.81
2024.08.25	6500	100	5.490	54.9	55.2	-0.54

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

System Performance Check Data(750MHz)

Date: 2024/9/11

Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 42.075$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D750/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.838 W/kg

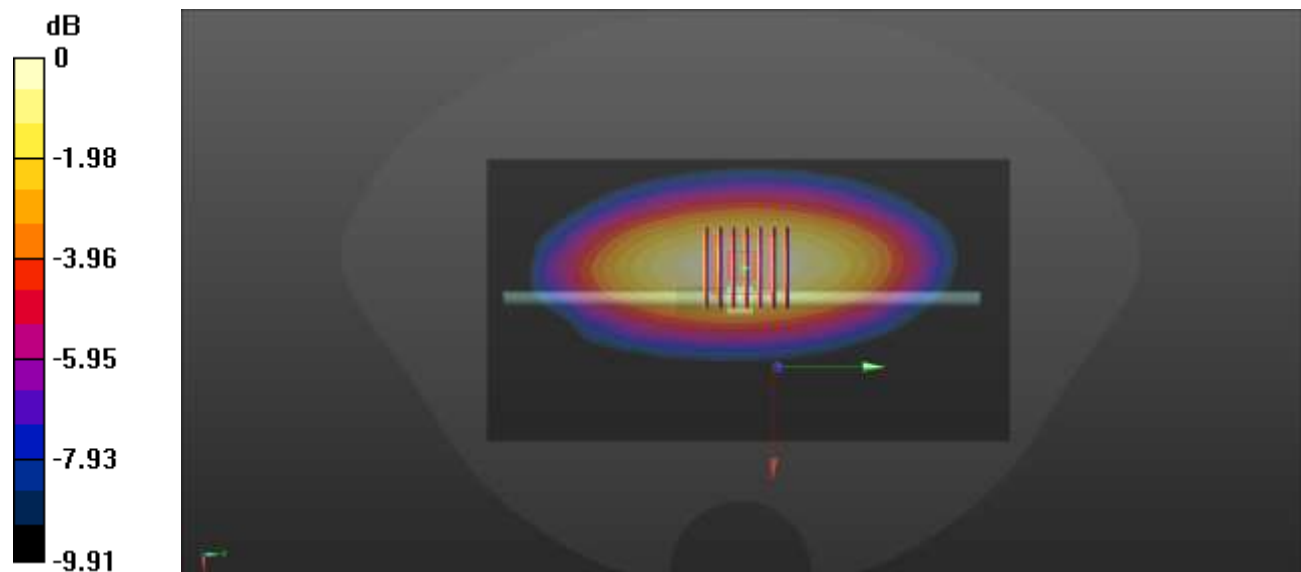
D750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.88 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.784 W/kg; SAR(10 g) = 0.518 W/kg

Maximum value of SAR (measured) = 0.842 W/kg



0 dB = 0.842 W/kg

System Performance Check Data(750MHz)

Date: 2024/9/12

Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.885$ S/m; $\epsilon_r = 42.281$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D750/Area Scan (71x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

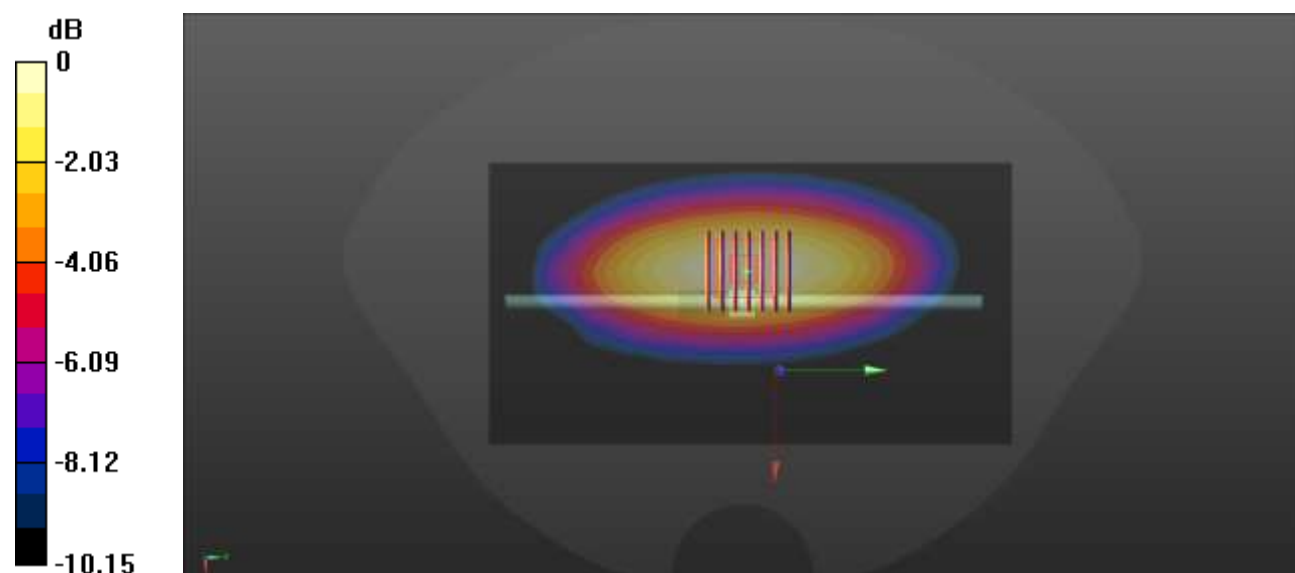
D750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 25.42 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.514 W/kg

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



0 dB = 0.831 W/kg

System Performance Check Data(750MHz)

Date: 2024/9/13

Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.876 \text{ S/m}$; $\epsilon_r = 42.26$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.9°C Liquid Temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(10.29, 10.29, 10.29); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D750/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.862 W/kg

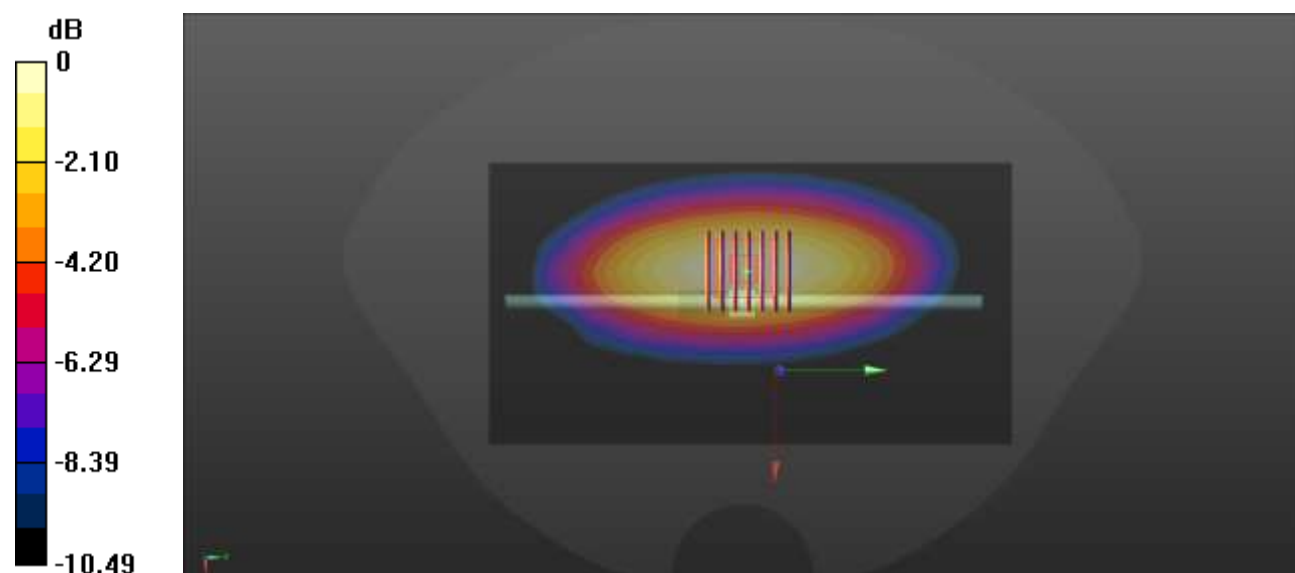
D750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.02 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.806 W/kg ; SAR(10 g) = 0.535 W/kg

Maximum value of SAR (measured) = 0.891 W/kg



0 dB = 0.891 W/kg

System Performance Check Data(835MHz)

Date: 2024/8/17

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.311$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.1°C Liquid Temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D835/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.987 W/kg

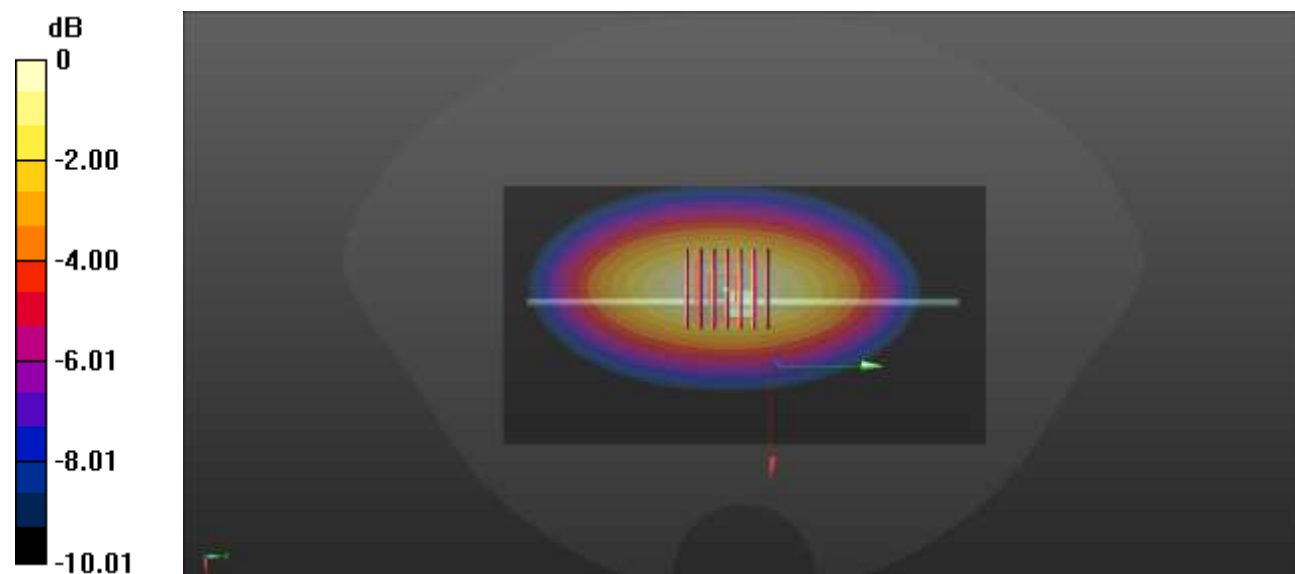
D835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.69 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.920 W/kg; SAR(10 g) = 0.617 W/kg

Maximum value of SAR (measured) = 0.986 W/kg



0 dB = 0.987 W/kg

System Performance Check Data(835MHz)

Date: 2024/8/18

Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 41.992$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(9.99, 9.99, 9.99); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D835/Area Scan (81x151x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.992 W/kg

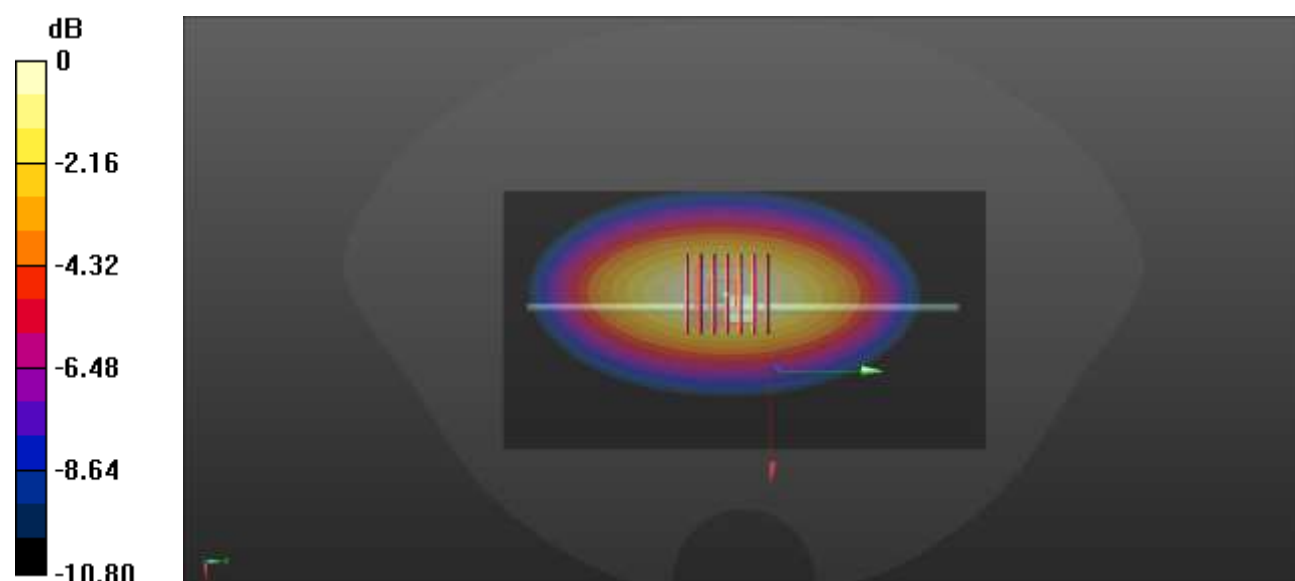
D835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 34.59 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.621 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg

System Performance Check Data(1750MHz)

Date: 2024/8/19

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 39.994$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D1750/Area Scan (71x121x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.07 W/kg

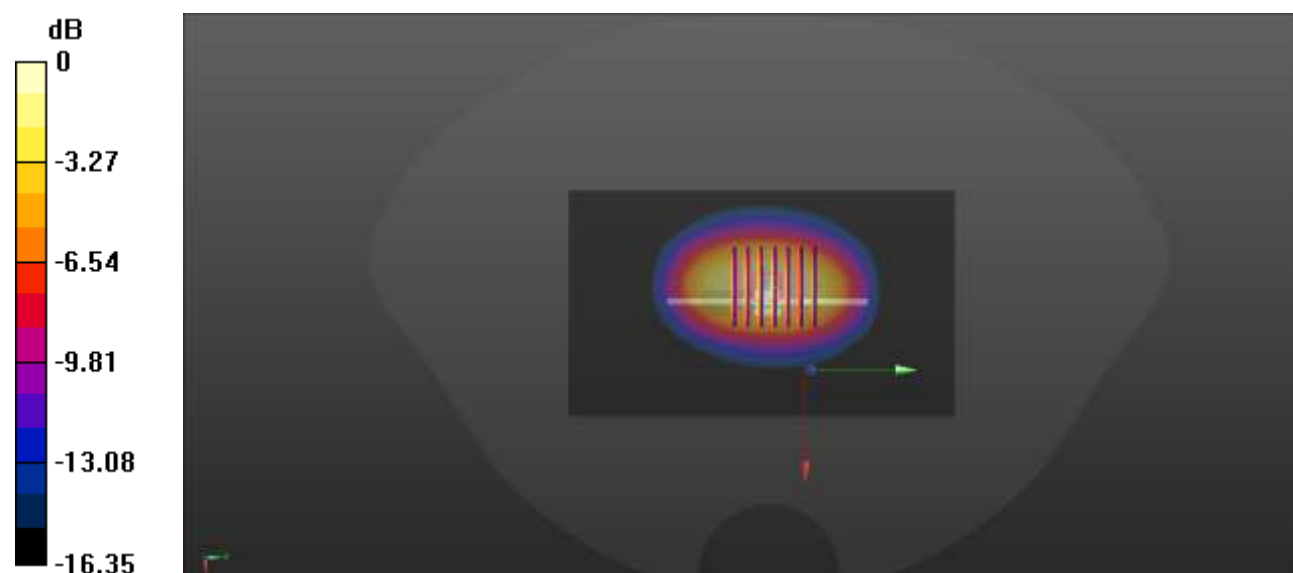
D1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.69 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 3.57 W/kg; SAR(10 g) = 1.9 W/kg

Maximum value of SAR (measured) = 3.98 W/kg



0 dB = 4.07 W/kg

System Performance Check Data(1750MHz)

Date: 2024/8/20

Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.346$ S/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.67, 8.67, 8.67); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D1750/Area Scan (71x121x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 4.17 W/kg

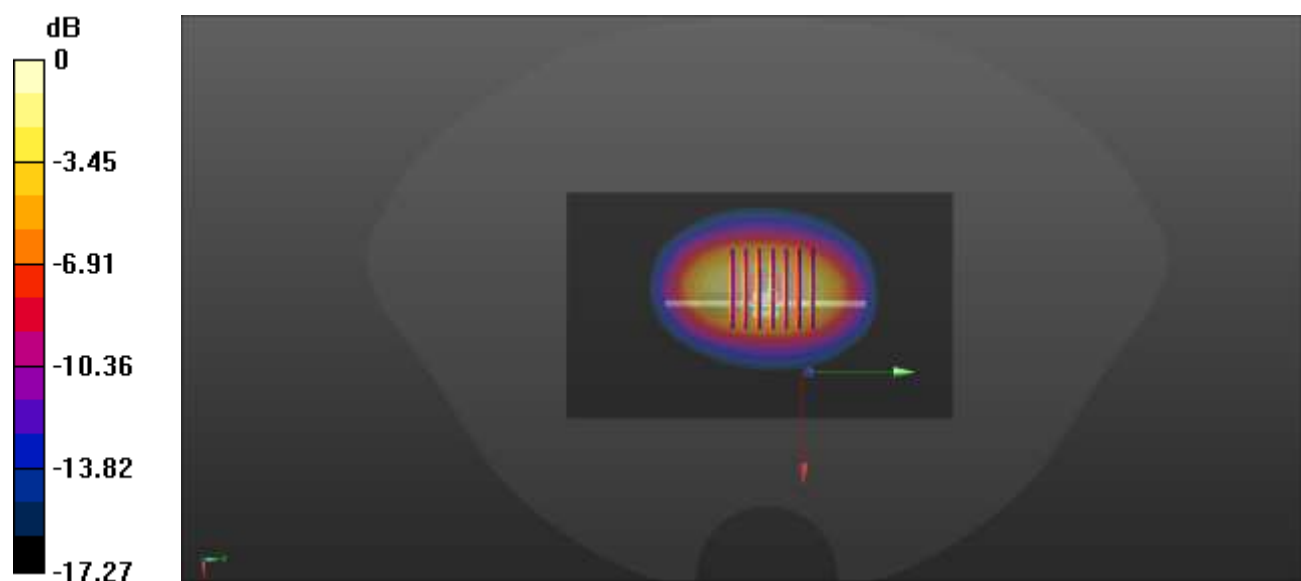
D1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 54.03 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.97 W/kg

SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.96 W/kg

Maximum value of SAR (measured) = 4.19 W/kg



0 dB = 4.19 W/kg

System Performance Check Data(1950MHz)

Date: 2024/9/14

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 40.486$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D1950/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 5.16 W/kg

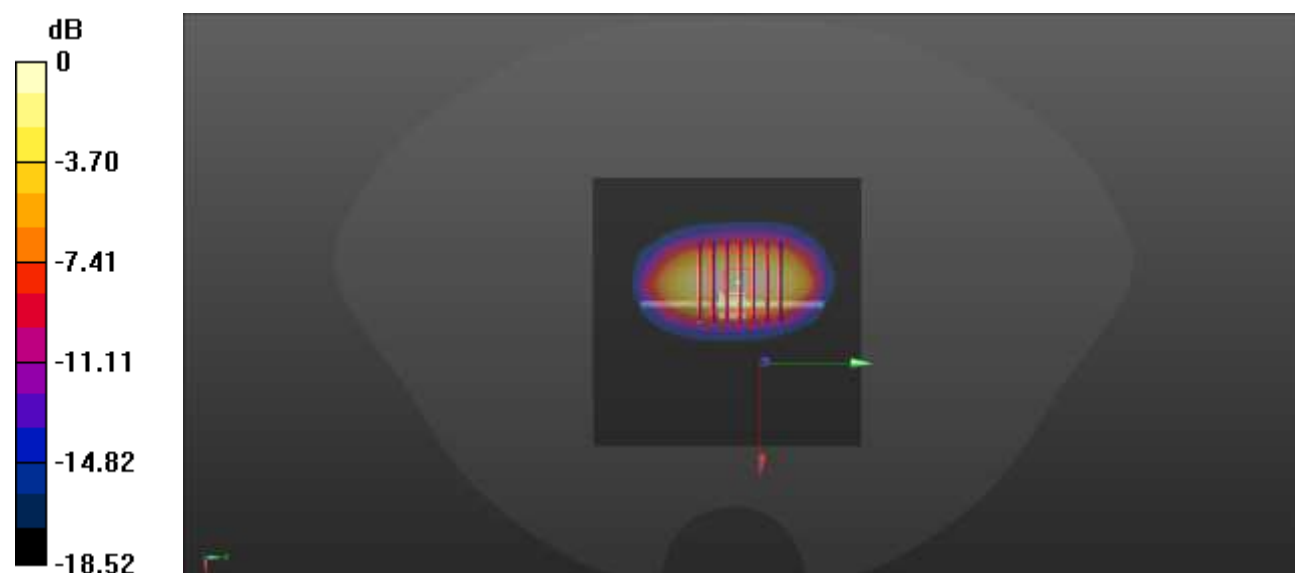
D1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 41.75 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 4.3 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 5.12 W/kg



0 dB = 5.12 W/kg

System Performance Check Data(1950MHz)

Date: 2024/9/15

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.418$ S/m; $\epsilon_r = 39.796$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D1950/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 5.26 W/kg

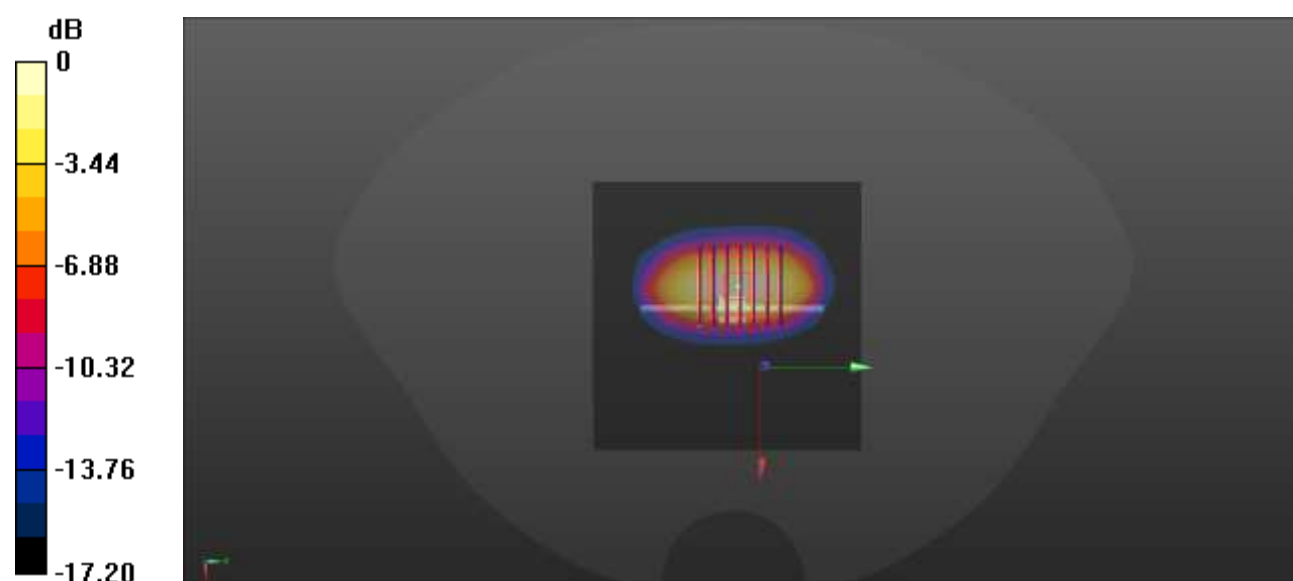
D1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 42.18 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 4.41 W/kg; SAR(10 g) = 2.11 W/kg

Maximum value of SAR (measured) = 5.38 W/kg



0 dB = 5.38 W/kg

System Performance Check Data(1950MHz)

Date: 2024/9/16

Communication System Band: D1950 (1950.0 MHz); Frequency: 1950 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 40.186$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1°C Liquid Temperature:21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(8.33, 8.33, 8.33); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D1950/Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 4.87 W/kg

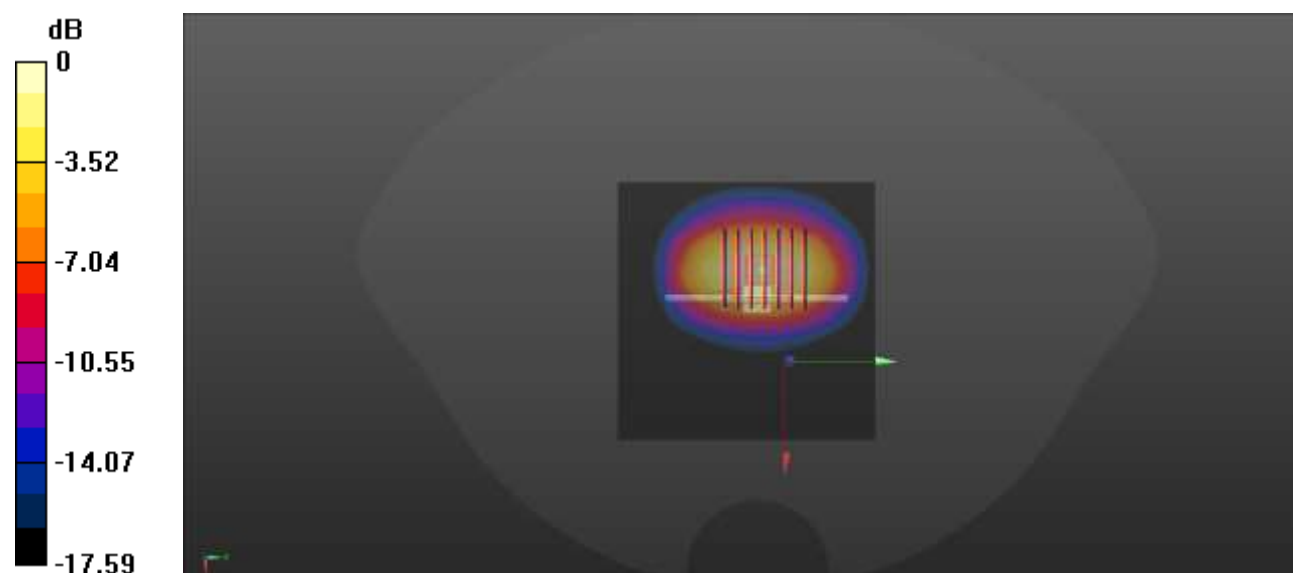
D1950/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 41.07 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 7.89 W/kg

SAR(1 g) = 4.2 W/kg; SAR(10 g) = 2.17 W/kg

Maximum value of SAR (measured) = 4.75 W/kg



0 dB = 4.87 W/kg

System Performance Check Data(2300MHz)

Date: 2024/9/10

Communication System Band: D2300 (2300.0 MHz); Frequency: 2300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2300$ MHz; $\sigma = 1.695$ S/m; $\epsilon_r = 39.132$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4°C Liquid Temperature: 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.93, 7.93, 7.93); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D2300/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 5.83 W/kg

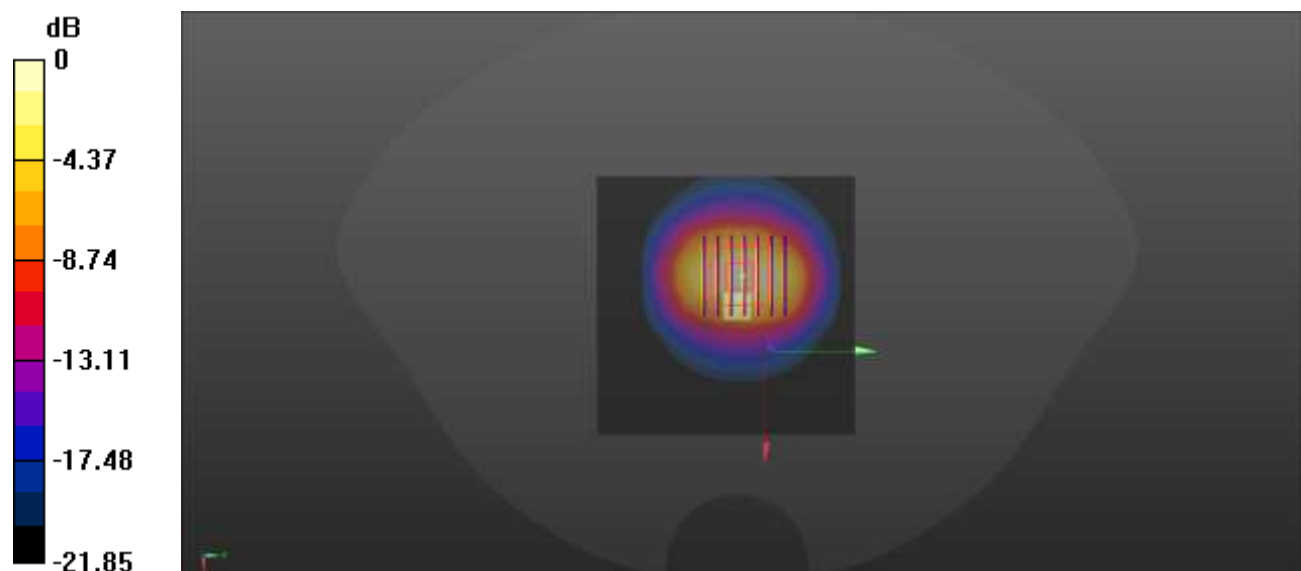
D2300/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.53 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 4.87 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 5.81 W/kg



0 dB = 5.81 W/kg = 7.64 dBW/kg

System Performance Check Data(2450MHz)

Date: 2024/9/2

Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.824$ S/m; $\epsilon_r = 39.508$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D2450/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 6.73 W/kg

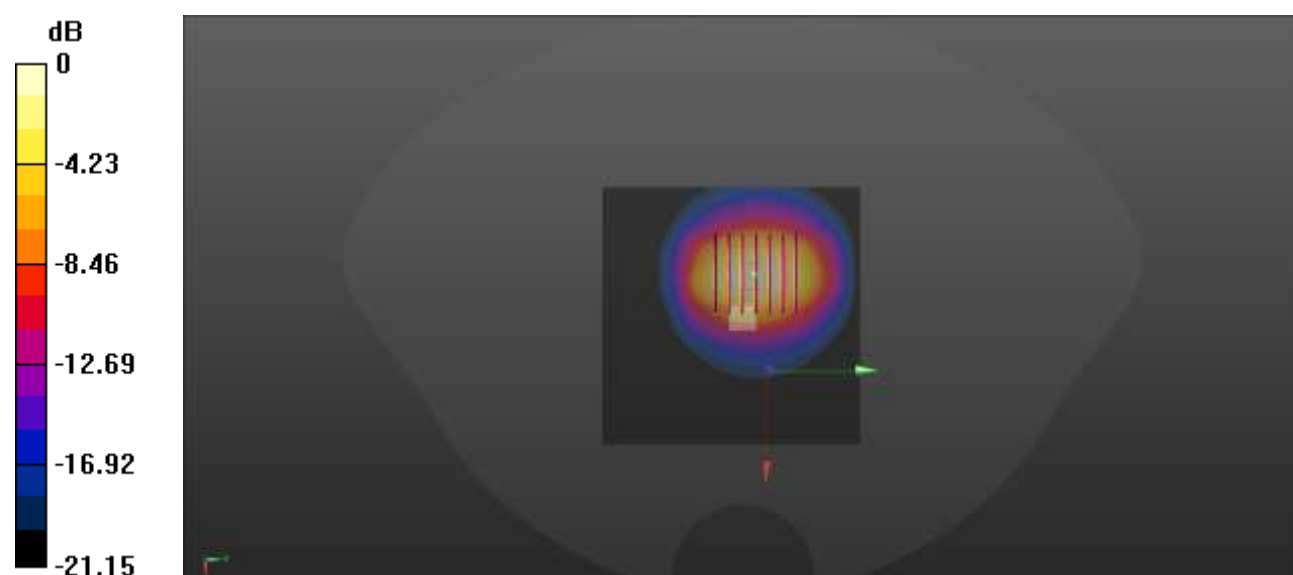
D2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 40.37 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.6 W/kg

Maximum value of SAR (measured) = 6.43 W/kg



0 dB = 6.73 W/kg

System Performance Check Data(2450MHz)

Date: 2024/9/3

Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.836$ S/m; $\epsilon_r = 39.326$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.75, 7.75, 7.75); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D2450/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 6.41 W/kg

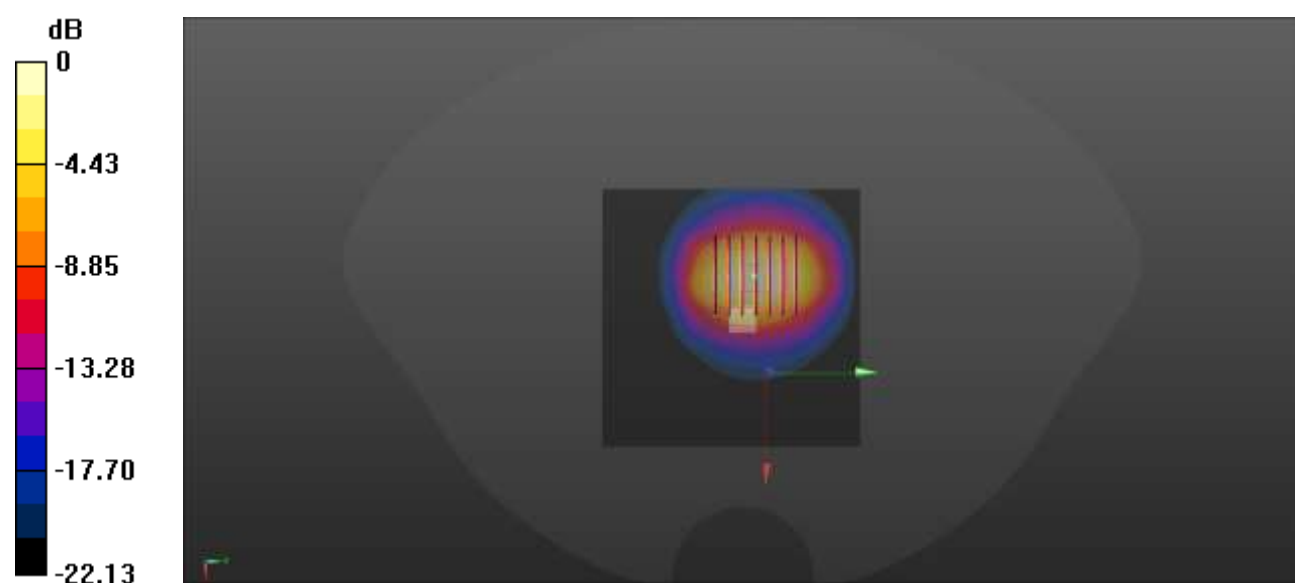
D2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 39.84 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 6.26 W/kg



0 dB = 6.26 W/kg

System Performance Check Data(2600MHz)

Date: 2024/8/14

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.918$ S/m; $\epsilon_r = 38.108$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1°C Liquid Temperature: 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.59, 7.59, 7.59); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D2600/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 7.01 W/kg

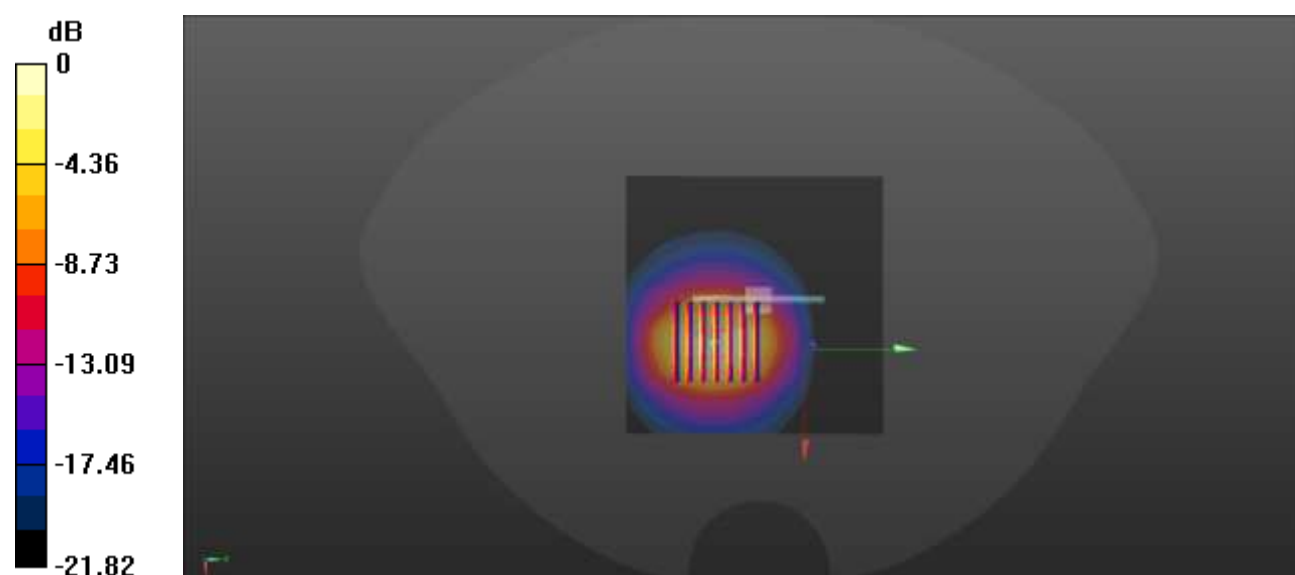
D2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.97 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.89 W/kg; SAR(10 g) = 2.67 W/kg

Maximum value of SAR (measured) = 6.76 W/kg



0 dB = 7.01 W/kg

System Performance Check Data(2600MHz)

Date: 2024/8/15

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.928$ S/m; $\epsilon_r = 38.235$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.9°C Liquid Temperature: 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.59, 7.59, 7.59); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D2600/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.71 W/kg

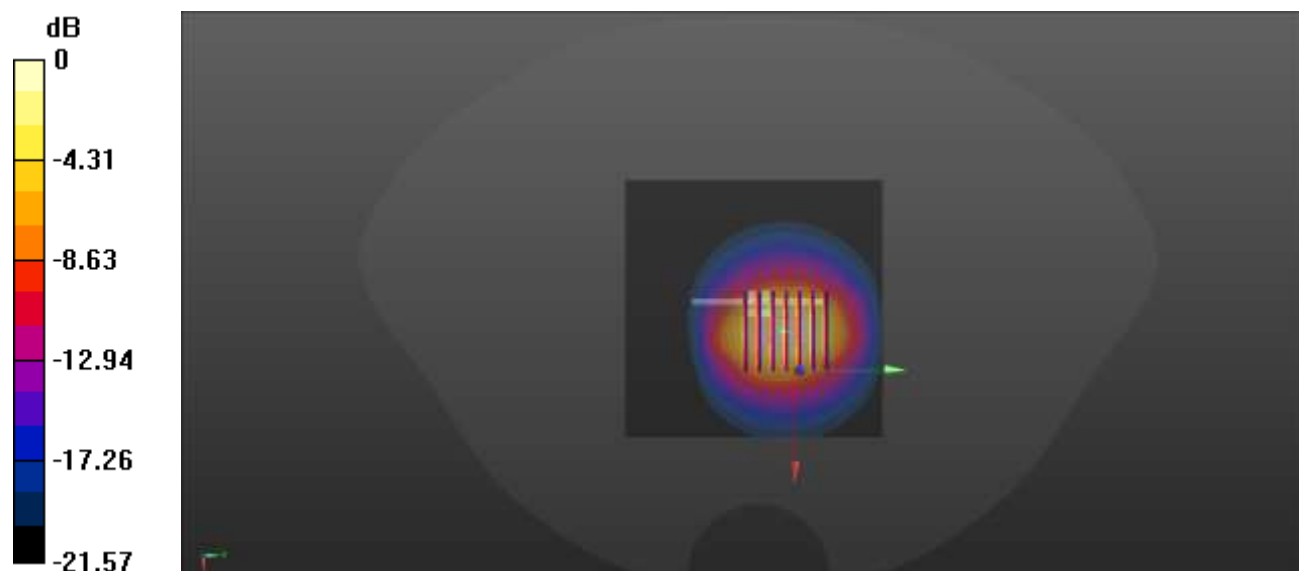
D2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.32 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.74 W/kg; SAR(10 g) = 2.6 W/kg

Maximum value of SAR (measured) = 6.62 W/kg



0 dB = 6.71 W/kg

System Performance Check Data(2600MHz)

Date: 2024/8/16

Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.906$ S/m; $\epsilon_r = 38.371$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.59, 7.59, 7.59); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D2600/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 6.60 W/kg

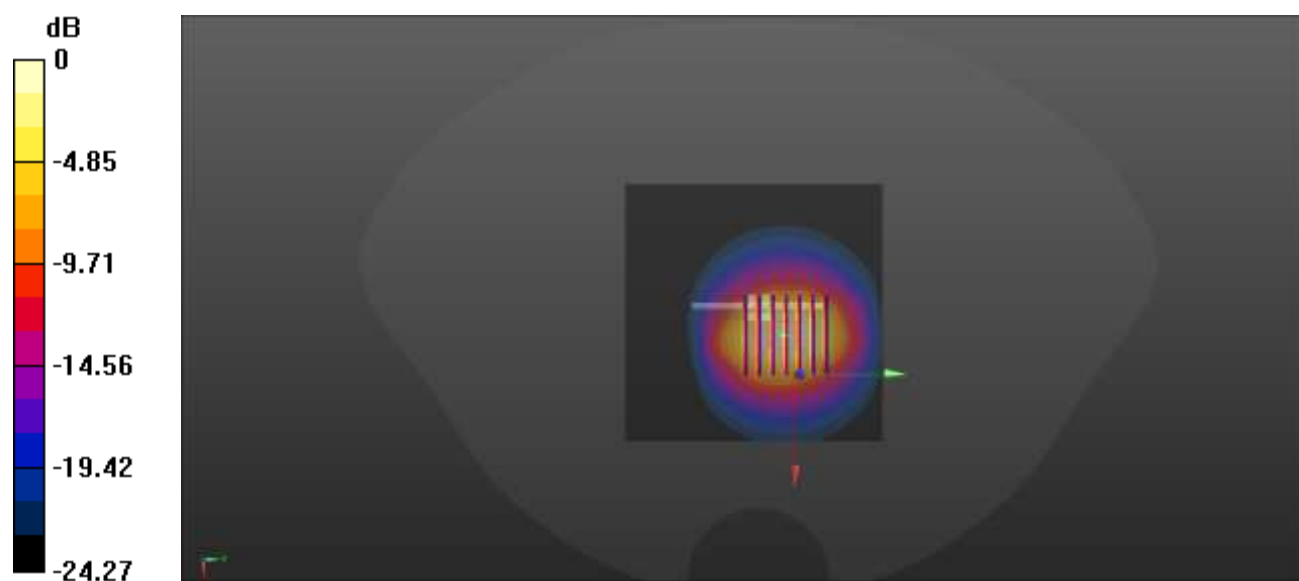
D2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 35.73 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.53 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 6.37 W/kg



0 dB = 6.37 W/kg

System Performance Check Data(3500MHz)

Date: 2024/8/26

Communication System Band: D3500 (3500.0 MHz); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.993$ S/m; $\epsilon_r = 38.571$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.0°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.11, 7.11, 7.11); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D3500/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.93 W/kg

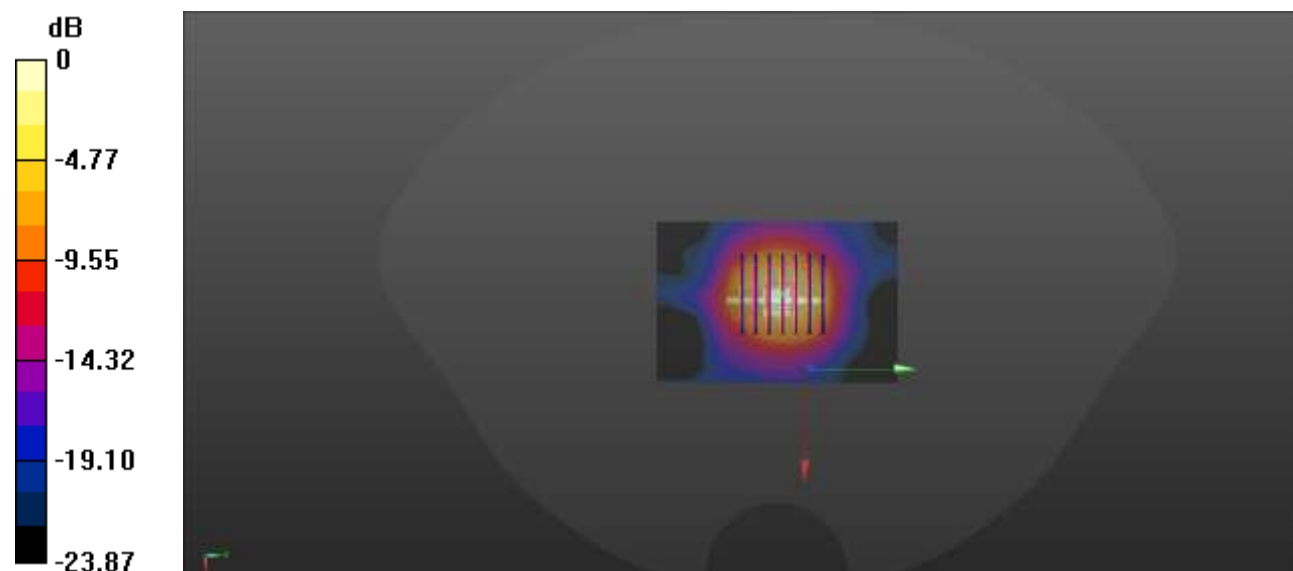
D3500/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.85 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 6.45 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 11.83 W/kg



0 dB = 11.83 W/kg

System Performance Check Data(3500MHz)

Date: 2024/8/27

Communication System Band: D3500 (3500.0 MHz); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.985$ S/m; $\epsilon_r = 37.289$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.11, 7.11, 7.11); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D3500/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.18 W/kg

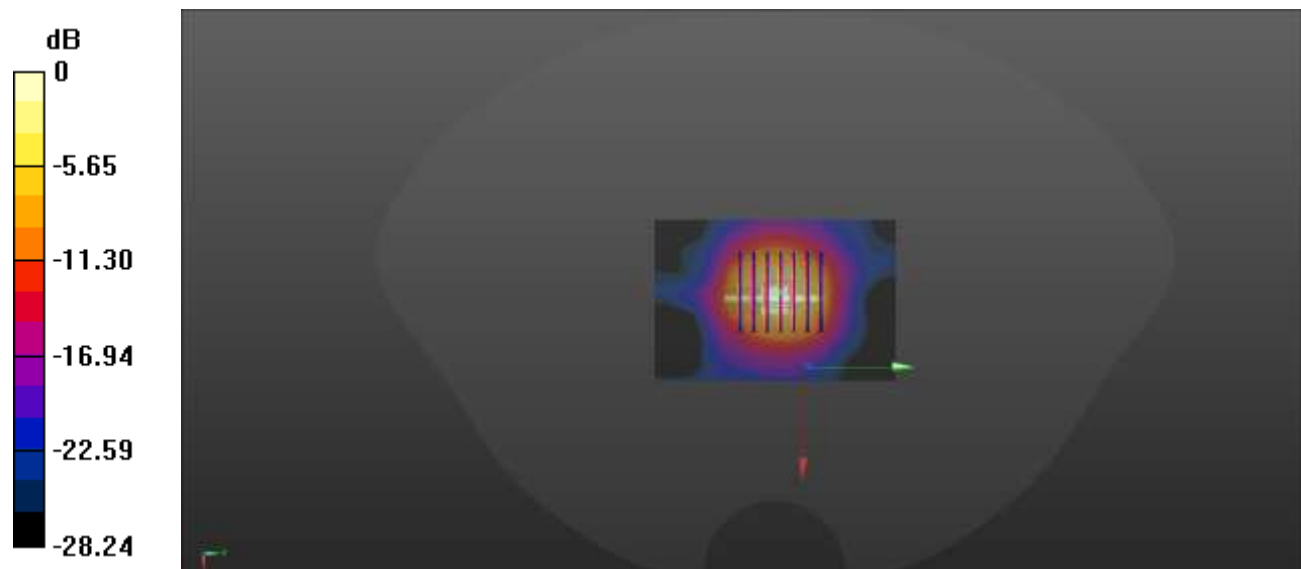
D3500/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.83 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 19.7 W/kg

SAR(1 g) = 6.83 W/kg; SAR(10 g) = 2.52 W/kg

Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg

System Performance Check Data(3500MHz)

Date: 2024/8/29

Communication System Band: D3500 (3500.0 MHz); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.978$ S/m; $\epsilon_r = 38.504$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.3°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(7.11, 7.11, 7.11); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D3500/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.85 W/kg

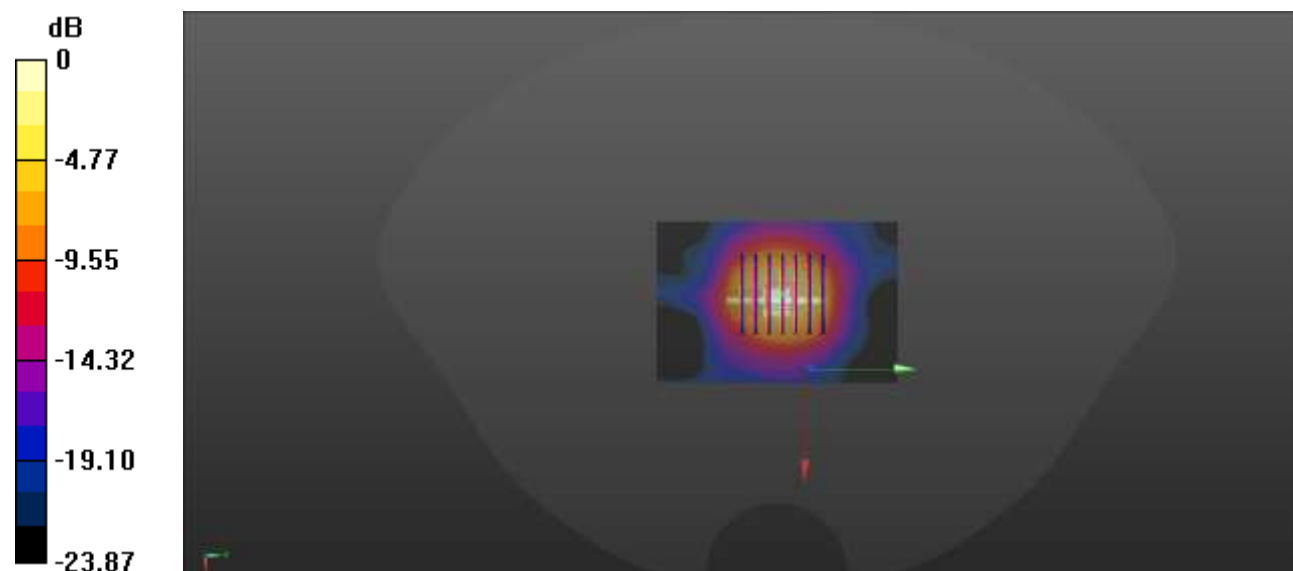
D3500/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.12 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 16.8 W/kg

SAR(1 g) = 6.32 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg

System Performance Check Data(3700MHz)

Date: 2024/8/27

Communication System Band: D3700 (3700.0 MHz); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3700$ MHz; $\sigma = 3.198$ S/m; $\epsilon_r = 37.114$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(6.94, 6.94, 6.94); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D3700/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 8.51 W/kg

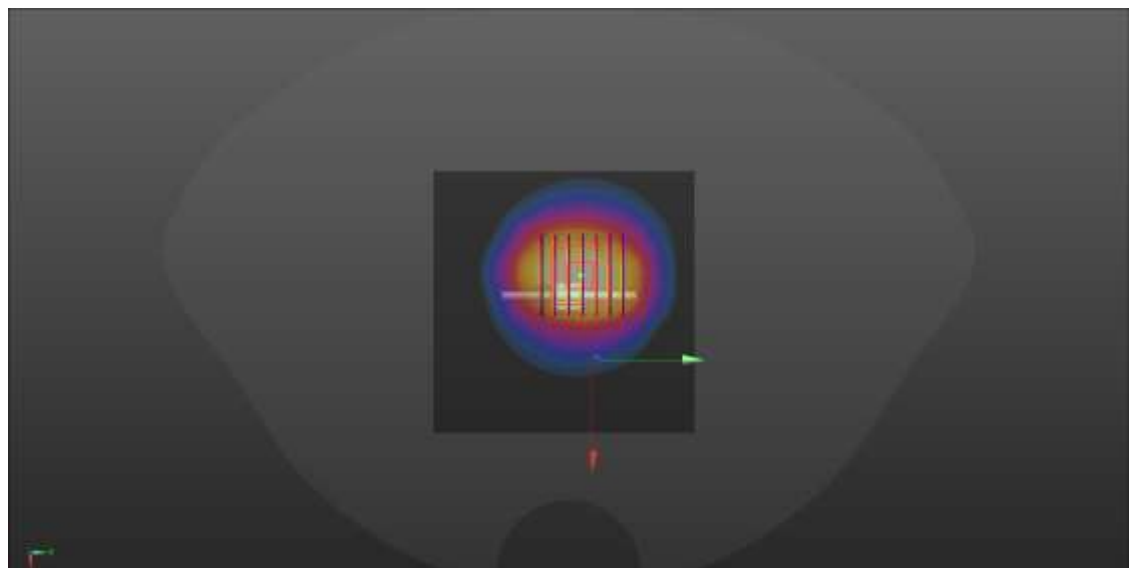
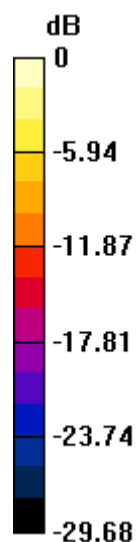
D3700/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 40.06 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 20.7 W/kg

SAR(1 g) = 6.94 W/kg; SAR(10 g) = 2.5 W/kg

Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg

System Performance Check Data(3700MHz)

Date: 2024/8/28

Communication System Band: D3700 (3700.0 MHz); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3700$ MHz; $\sigma = 3.177$ S/m; $\epsilon_r = 38.436$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.5°C Liquid Temperature: 20.9°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(6.94, 6.94, 6.94); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D3700/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 8.74 W/kg

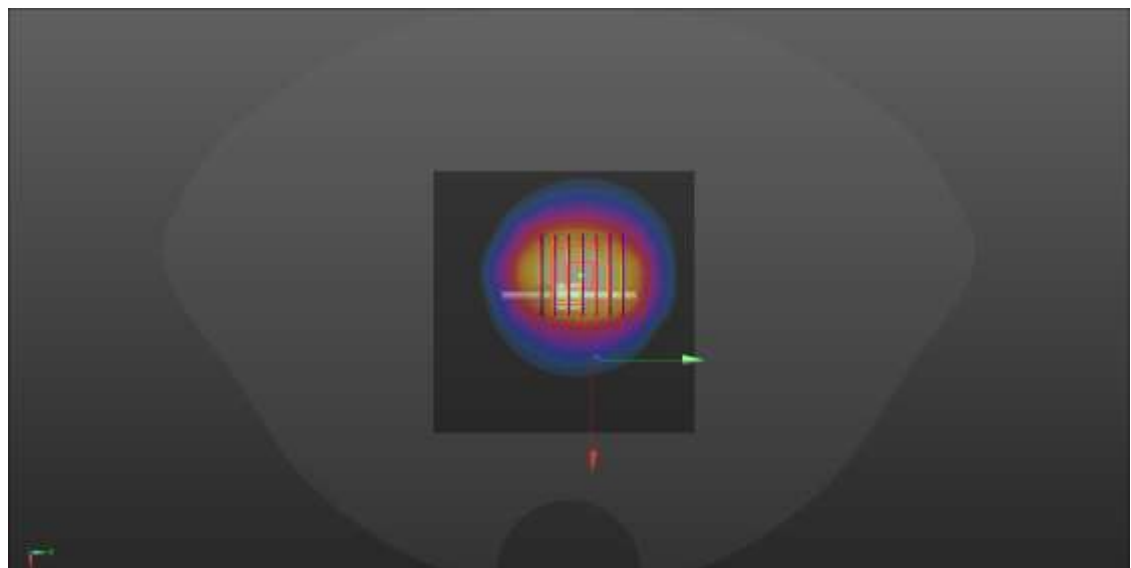
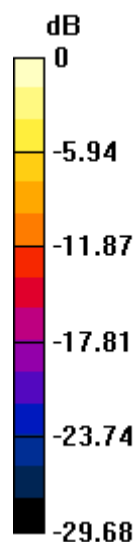
D3700/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 40.85 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 21.1 W/kg

SAR(1 g) = 7.01 W/kg; SAR(10 g) = 2.52 W/kg

Maximum value of SAR (measured) = 12.6 W/kg



0 dB = 12.6 W/kg

System Performance Check Data(3700MHz)

Date: 2024/8/30

Communication System Band: D3700 (3700.0 MHz); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3700$ MHz; $\sigma = 3.18$ S/m; $\epsilon_r = 38.436$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.4°C Liquid Temperature: 20.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(6.94, 6.94, 6.94); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D3700/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 8.81 W/kg

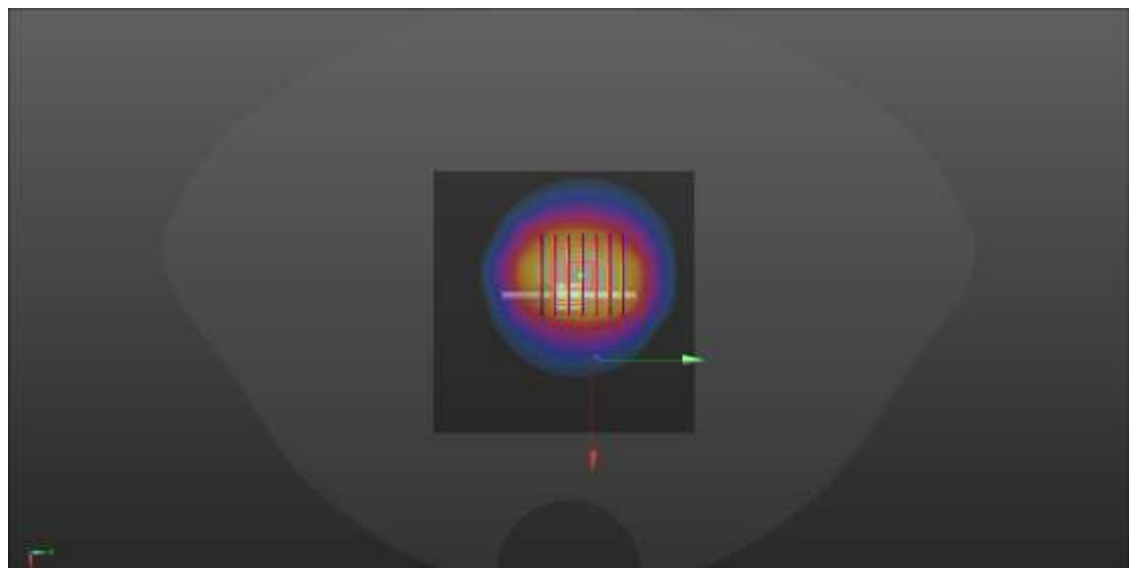
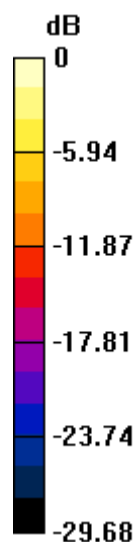
D3700/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 41.22 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 21.8 W/kg

SAR(1 g) = 7.12 W/kg; SAR(10 g) = 2.56 W/kg

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg

System Performance Check Data(3900MHz)

Date: 2024/8/31

Communication System Band: D3900 (3900.0 MHz); Frequency: 3900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 3900$ MHz; $\sigma = 3.401$ S/m; $\epsilon_r = 36.991$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(6.85, 6.85, 6.85); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D3900/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 8.26 W/kg

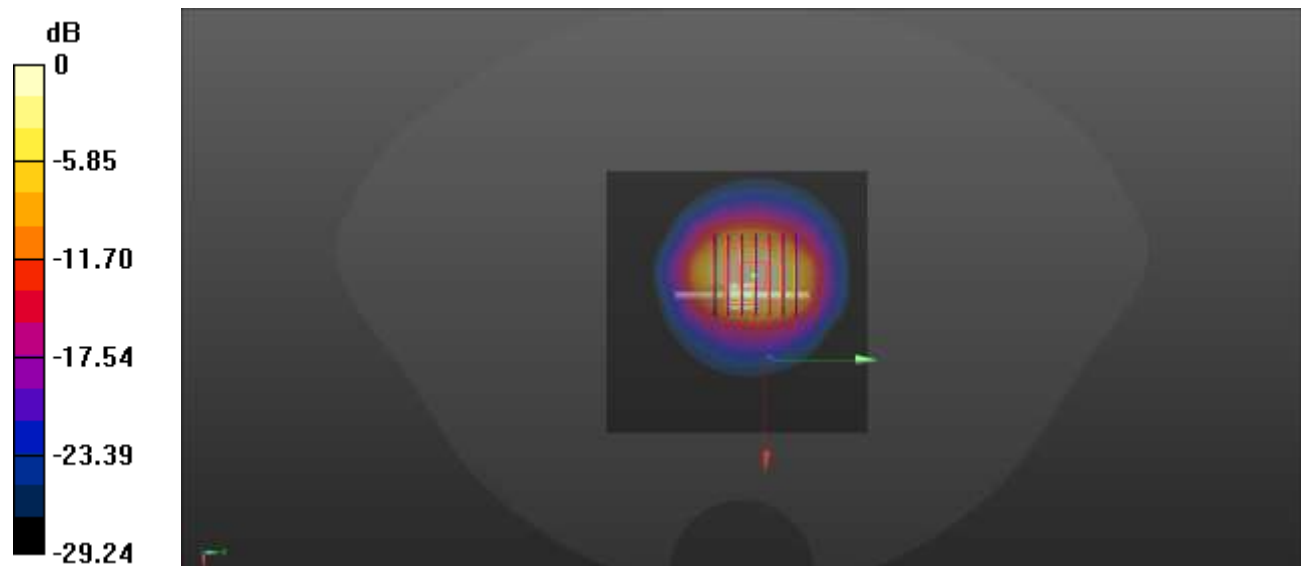
D3900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 46.83 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 24.5 W/kg

SAR(1 g) = 7.31 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 13.8W/kg

System Performance Check Data(5250MHz)

Date: 2024/9/4

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.804$ S/m; $\epsilon_r = 35.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8°C Liquid Temperature: 22.0°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.50, 5.50, 5.50); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D5250/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.0 W/kg

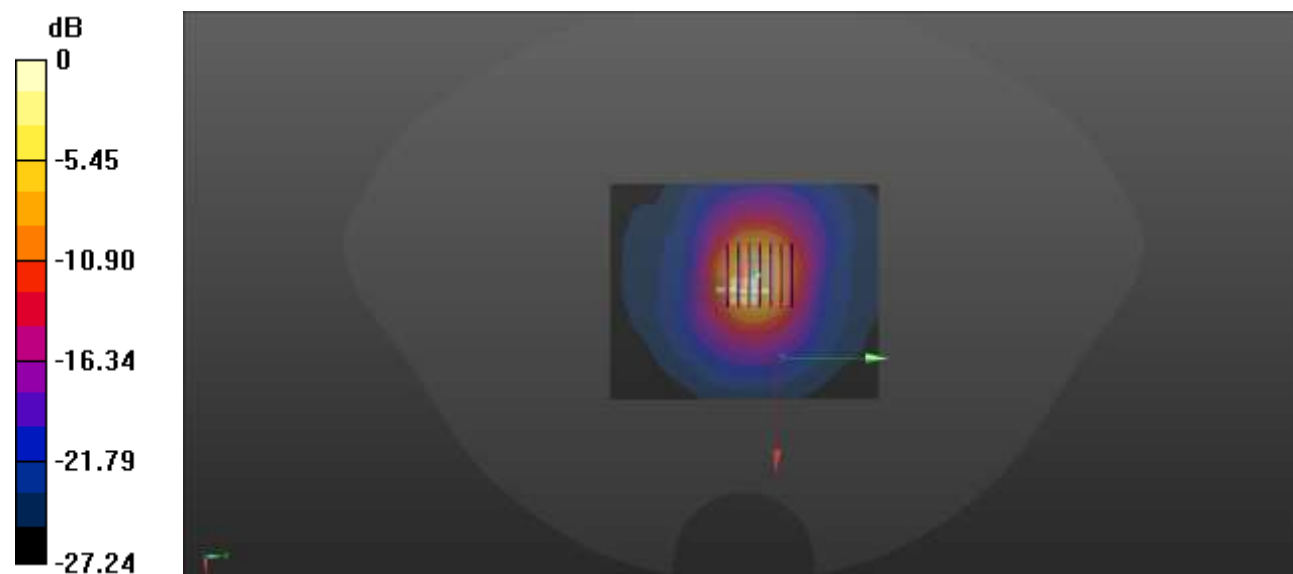
D5250/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 33.37 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 32.7 W/kg

SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 16.4 W/kg



0 dB = 18.0 W/kg

System Performance Check Data(5250MHz)

Date: 2024/9/5

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.827$ S/m; $\epsilon_r = 35.382$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.0°C Liquid Temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.50, 5.50, 5.50); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D5250/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 16.3 W/kg

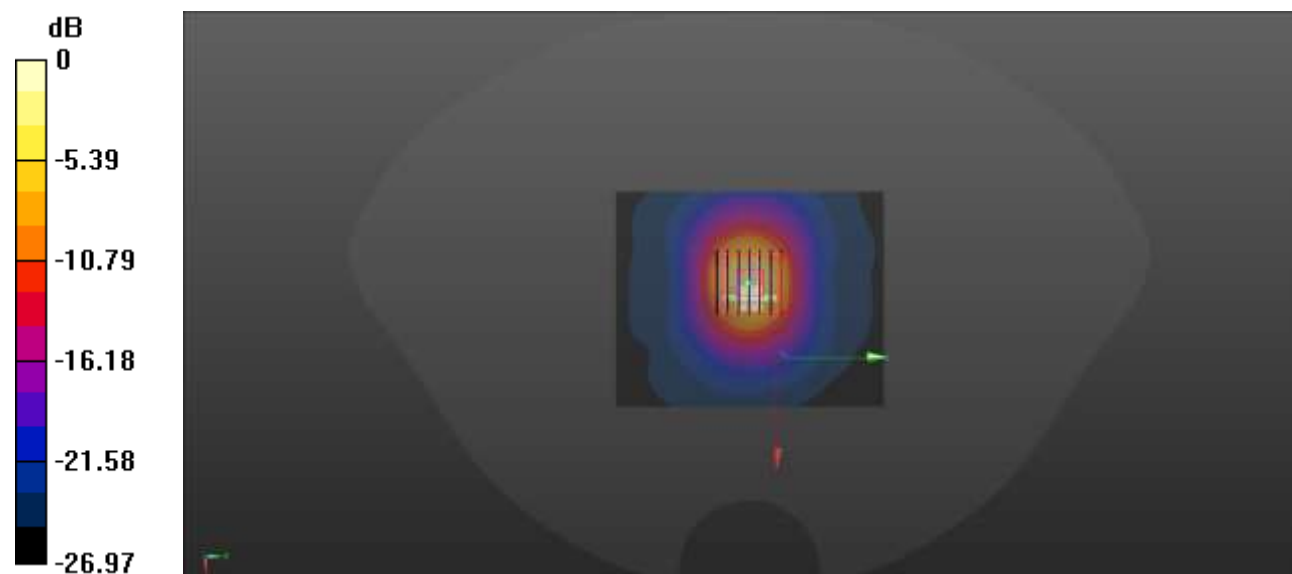
D5250/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.05 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 33.4 W/kg

SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 16.2 W/kg



0 dB = 16.2 W/kg

System Performance Check Data(5600MHz)

Date: 2024/9/6

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.153$ S/m; $\epsilon_r = 35.029$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.00, 5.00, 5.00); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D5600/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 19.0 W/kg

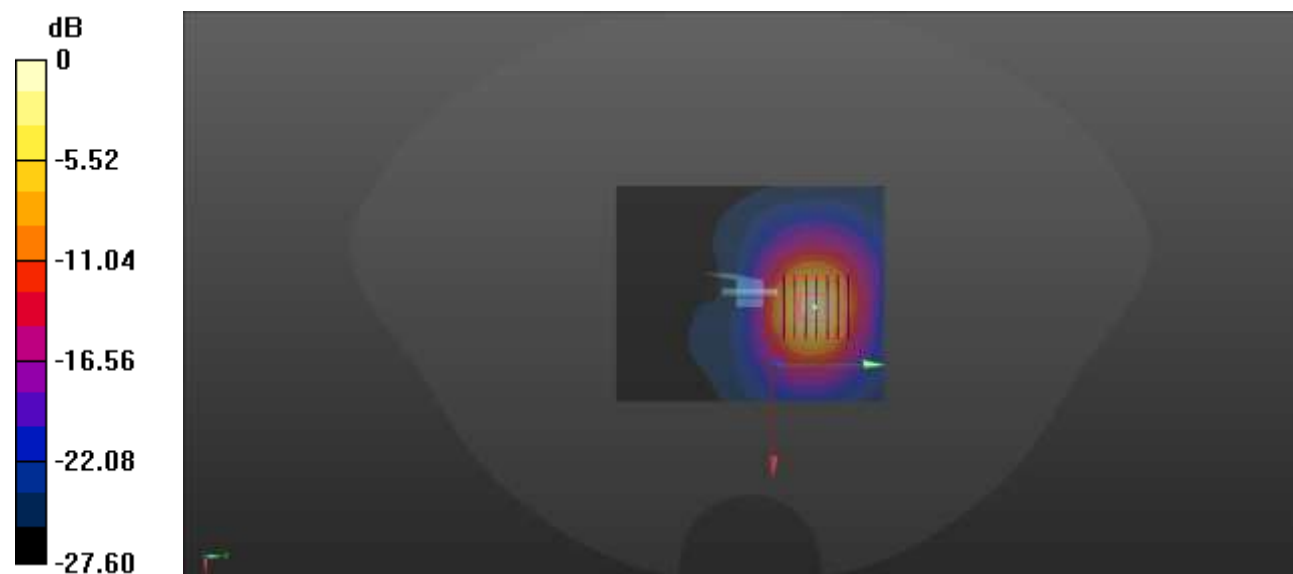
D5600/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.507 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 37.2 W/kg

SAR(1 g) = 8.44 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 19.0 W/kg

System Performance Check Data(5600MHz)

Date: 2024/9/7

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.202$ S/m; $\epsilon_r = 34.608$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8°C Liquid Temperature:21.9°C

DASY5 Configuration:

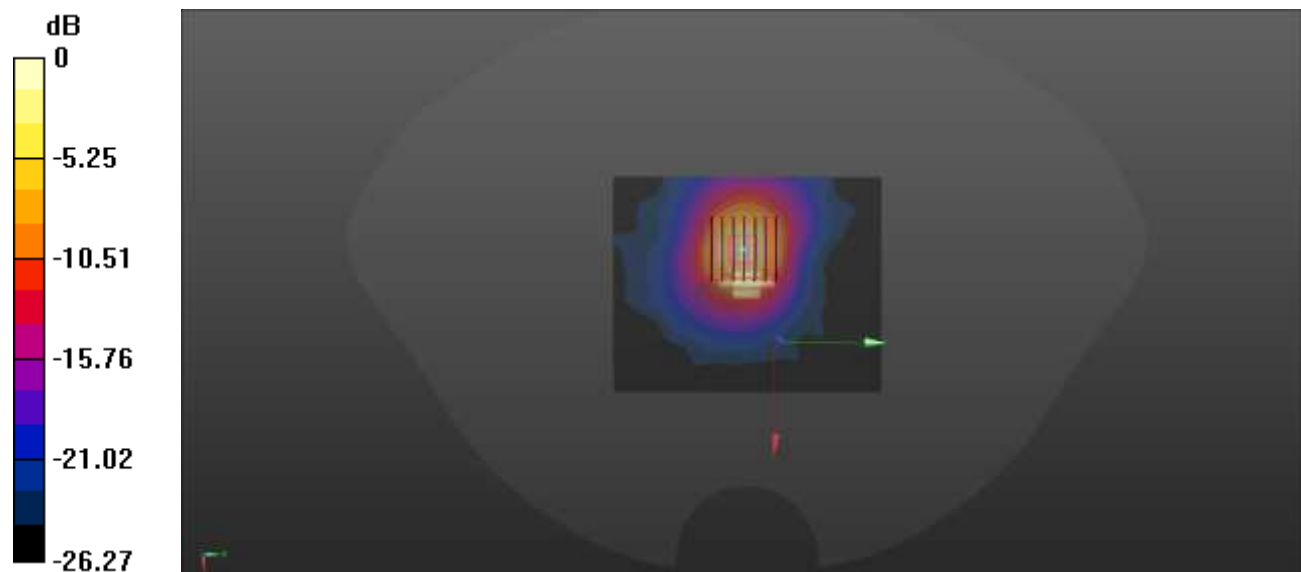
- Probe: EX3DV4 - SN7510; ConvF(5.00, 5.00, 5.00); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D5600/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.2 W/kg

D5600/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 20.11 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 8.77 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 17.8 W/kg



0 dB = 18.2 W/kg

System Performance Check Data(5750MHz)

Date: 2024/9/8

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.375$ S/m; $\epsilon_r = 34.242$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.2°C Liquid Temperature: 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 15.6 W/kg

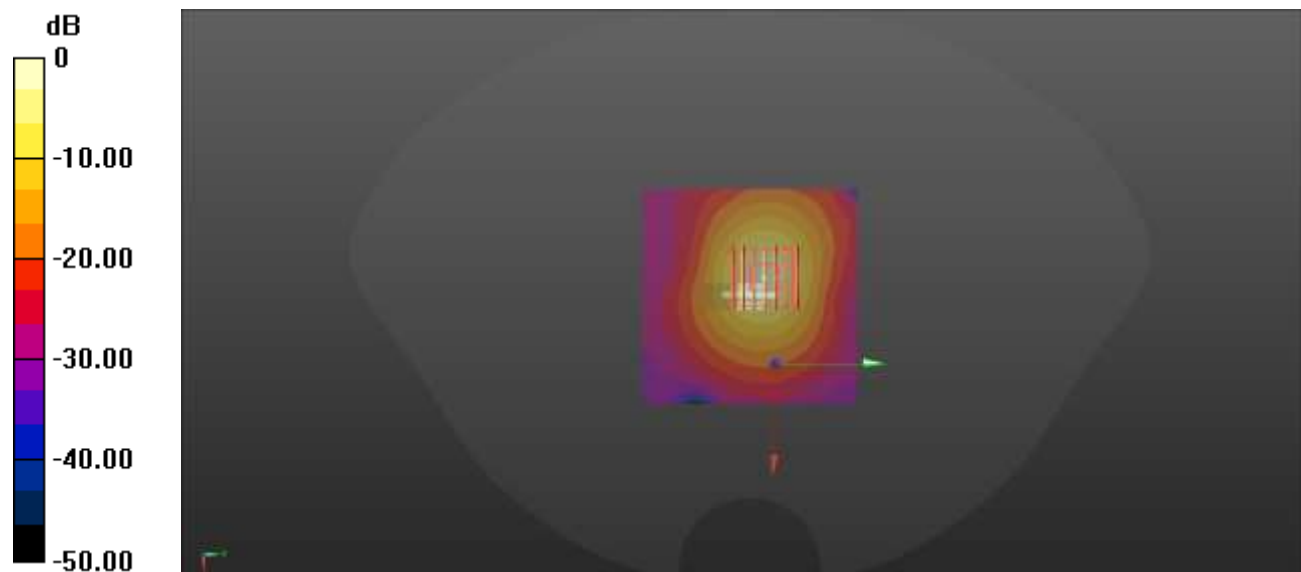
D5750/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 27.96 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 45.8 W/kg

SAR(1 g) = 8.51 W/kg; SAR(10 g) = 2.34 W/kg

Maximum value of SAR (measured) = 17.4 W/kg



0 dB = 15.6 W/kg

System Performance Check Data(5750MHz)

Date: 2024/9/8

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.347$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.4°C Liquid Temperature: 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN7510; ConvF(5.04, 5.04, 5.04); Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2024/2/22
- Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

D5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.8 W/kg

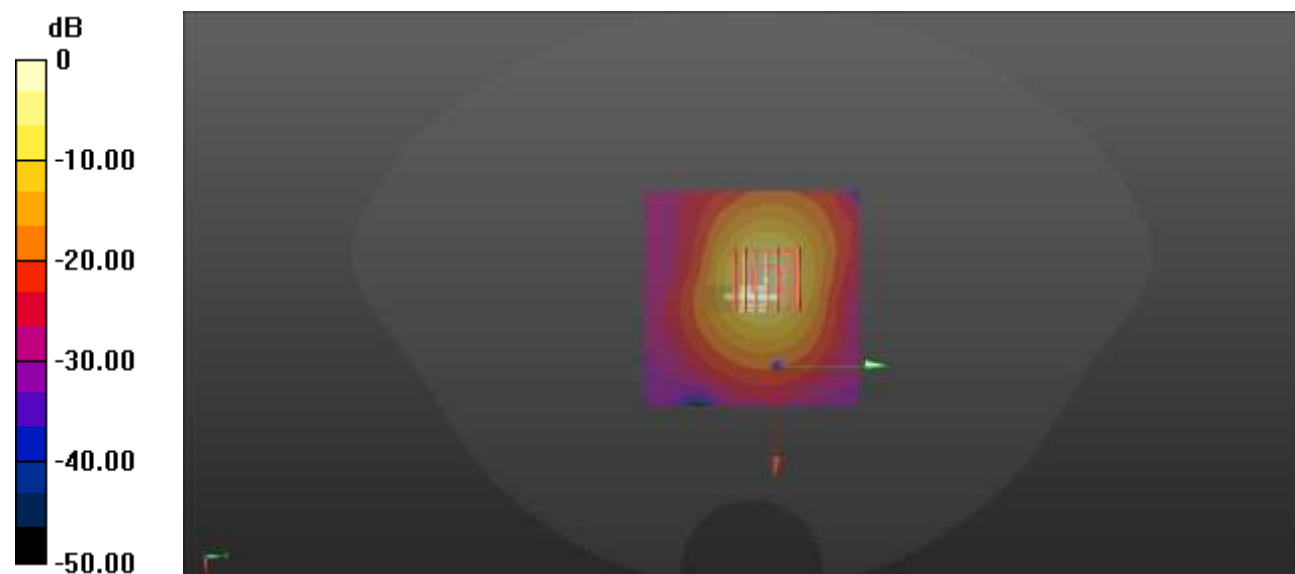
D5750/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 30.14 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 40.7 W/kg

SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.29 W/kg

Maximum value of SAR (measured) = 16.1 W/kg



0 dB = 16.1 W/kg

System Performance Check Data(6500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D6GHzV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		D6GHz	CW, 0--	6500.0, 6500	5.45	6.12	35.1	22.4	21.5

Hardware Setup

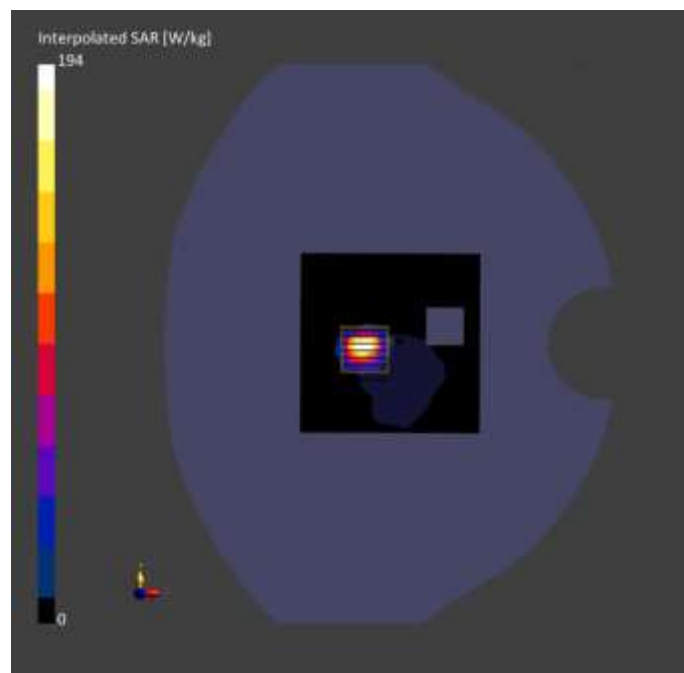
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-08-24	EX3DV4 - SN7350, 2023-12-13	DAE4 Sn1711, 2024-03-18

Scan Setup

		Area Scan	Zoom Scan
Grid	Extents	85.0 x 85.0	22.0 x 22.0 x 22.0
	[mm]		
Grid Steps	[mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor	Surface	3.0	1.4
	[mm]		
Graded Grid		Yes	Yes
Grading Ratio		1.5	1.4
MAIA		N/A	N/A
Surface		All points	All points
Detection			
Scan Method		Measured	Measured

Measurement Results

		Area Scan	Zoom Scan
Date		2024-08-24	2024-08-24
psSAR1g		21.6	30.4
	[W/kg]		
psSAR10g		4.96	5.62
	[W/kg]		
APD	4cm ²		138
	[W/m ²]		
Power Drift	[dB]	0.05	0.01
Power Scaling		Disabled	Disabled
Scaling	Factor		
	[dB]		
TSL Correction		No correction	No correction
M2/M1	[%]		50.2
Dist 3dB Peak			4.4
	[mm]		



System Performance Check Data(6500MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
D6GHzV2, SPEAG	10.0 x 10.0 x 3.0	Dipole

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivit y [S/m]	TSL Permittivity	Ambient Temperatur e [°C]	Liquid Temperatur e [°C]
Flat, HSL		D6GHz	CW, 0--	6500.0, 6500	5.45	6.15	34.5	22.2	21.2

Hardware Setup

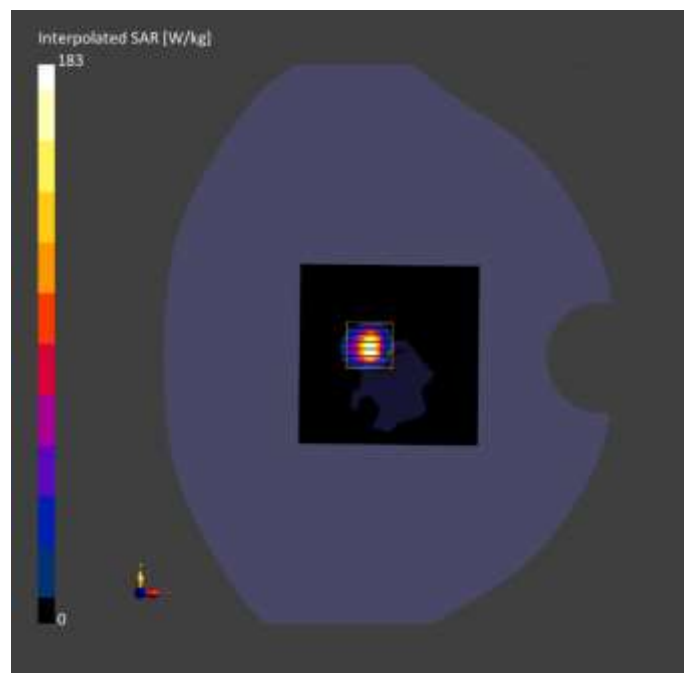
Phantom	TSL, Measured Date		Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) - 1859	HBBL-600-10000	2024-08-25	EX3DV4 - SN7350, 2023-12-13	DAE4 Sn1711, 2024-03-18

Scan Setup

		Area Scan	Zoom Scan
Grid	Extents	85.0 x 85.0	22.0 x 22.0 x 22.0
	[mm]		
Grid Steps [mm]		8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor	Surface	3.0	1.4
	[mm]		
Graded Grid		Yes	Yes
Grading Ratio		1.5	1.4
MAIA		N/A	N/A
Surface		All points	All points
Detection			
Scan Method		Measured	Measured

Measurement Results

		Area Scan	Zoom Scan
Date		2024-08-25	2024-08-25
psSAR1g		22.8	29.5
[W/kg]			
psSAR10g		4.98	5.49
[W/kg]			
APD	4cm ²		133
[W/m ²]			
Power Drift [dB]		0.05	0.04
Power Scaling		Disabled	Disabled
Scaling Factor			
[dB]			
TSL Correction		No correction	No correction
M2/M1 [%]			51.0
Dist 3dB Peak			4.6
[mm]			



ANNEX C TEST DATA

Please refer the document “BL-SH2460232-AT.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SH2460232-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SH2460232-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SH2460232-AC.pdf”.

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--END OF REPORT--