SAR TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

Mobile Phone

ISSUED TO
Realme Chongqing Mobile Telecommunications Corp., Ltd.

No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

Report No.:	BL-SZ21C0926-701
EUT Name:	Mobile Phone
Model Name:	RMX3311
Brand Name:	realme
FCC ID:	2AUYFRMX3311
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g): 0.97 W/kg Body (1 g): 1.03 W/kg Hotspot (1 g): 0.63 W/kg Specific (10 g): 2.69 W/kg
Test Conclusion:	Pass
Test Date:	Jan. 10, 2022 ~ Feb. 14, 2022
Date of Issue:	Feb. 22, 2022

Tested by: Zhang Jiwei

Date: Feb. 22, 2022

Approved by: Wei Yanquan (Chief Engineer)

Date: Feb. 22, 2022

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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Feb. 22, 2022	Initial Issue

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100
Fax Number	+86 755 6182 4271

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, 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.
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Test Environment Condition

Ambient Temperature	20℃ to 23℃
Ambient Relative Humidity	36% to 55%
Ambient Pressure	100 KPa to 102 KPa

1.4 Announce

(1) The test report reference to the report template version v2.2.

(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.

(3) The test report is invalid if there is any evidence and/or falsification.

(4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.

(5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.

(6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

(7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.2 Manufacturer Information

Manufacturer	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3311
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI V3.0
Dimensions (Approx.)	162.9×75.8×8.6(mm)
Weight (Approx.)	glass back cover version: 199.8g plastic back cover version: 194.5g
EUT ID	S01, S02, S03
IMEI Number	S01: 861081050113792 S02: 861081050114519 S03: 861081050114170
Note1: EUT ID is used to identify the test sample in the lab internally. Note2: It is performed to test SAR with the EUT S01 and S02 and conducted power with the EUT S03.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	realme
	Model No.	BLP887
	Serial No.	N/A
	Capacitance	Rated: 2440mAh/18.88Wh Typical: 2500mAh/19.35Wh
	Rated Voltage	7.74 V
	Limited Voltage	8.90 V
	Manufacturer	Dongguan NVT Technology Co., Ltd

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/900 MHz 3G Network WCDMA/HSDPA/HSUPA/HSPA+ Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/17/26/66 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n5/n7/n38/n41/n66 NSA(EN-DC): DC_2A_n41A, DC_5A_n7A, DC_5A_n66A, DC_7A_n5A, DC_7A_n66A, DC_12A_n66A, DC_26A_n41A, DC_66A_n5A, DC_66A_n7A, DC_66A_n41A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40, 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160), 802.11ax(HE20/40/80/160) U-NII-1/2A/2C/3 GPS, GLONASS, BDS, Galileo, NFC
Note 1: The EUT is a mobile phone, supporting dual SIM card slots under the same transceiver. Both SIM card slots support GSM, WCDMA, LTE and NR. And both SIM card slots share the same transceiver, so only SIM1 is tested in this report.	

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

Operating Mode	GSM, WCDMA, LTE, NR, 2.4G WLAN, 5G WLAN, Bluetooth		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	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 ~ 716 MHz	RX: 729 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	NR n66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	802.11b/g	2412 ~ 2462 MHz	

	/n(HT20/HT40)	
	802.11ac(VHT20/40)	2412 ~ 2462 MHz
	802.11 ax(HE20/HE40)	2412 ~ 2462 MHz
	802.11a	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11n(HT20/HT40)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11 ac(VHT20/VHT40/ VHT80/VHT160)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11 ax(HE20/HE40/ HE80/HE160)	5150 ~ 5250 MHz
		5250 ~ 5350 MHz
		5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	Bluetooth	2402 ~ 2480 MHz
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna	
DTM	N/A	
Hotspot Function	Support	
Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
EUT Stage	Portable Device	
Product	Type	
	☒ Production unit	☐ Identical prototype

Note:
1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for held-to-ear exposure conditions.
2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4/5G transmitter for near to body exposure conditions.
3. The reduction power details please refer section 8.7.

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	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	FCC KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	FCC KDB 941225 D06 v02r01	SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities
8	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
10	FCC 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/ ControlledExposure
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 (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.59	0.19	0.30	0.97	1.03	0.63
GSM 1900	0.33	0.19	0.39			
WCDMA Band 2	0.95	0.19	0.46			
WCDMA Band 4	0.68	0.19	0.33			
WCDMA Band 5	0.87	0.17	0.18			
LTE Band 2	0.87	0.33	0.56			
LTE Band 4	0.64	0.20	0.37			
LTE Band 5	0.80	0.16	0.21			
LTE Band 7	0.73	0.24	0.46			
LTE Band 12	0.63	0.21	0.19			
LTE Band 13	0.61	0.20	0.16			
LTE Band 17	0.59	0.21	0.19			
LTE Band 26	0.85	0.14	0.23			
LTE Band 66	0.79	0.20	0.45			
LTE Band 38	0.80	0.24	0.48			
LTE Band 41	0.79	0.34	0.54			
CA_7C	0.66	0.22	0.41			
CA_38C	0.76	0.22	0.44			
CA_41C	0.73	0.31	0.50			
NR n5	0.72	0.12	0.27			
NR n7	0.78	0.31	0.58			
NR n38	0.87	0.30	0.45			
NR n41	0.75	0.26	0.46			
NR n66	0.78	0.28	**0.63**			
2.4G WLAN	0.63	0.17	0.32			
5.2G WLAN	/	/	0.46			
5.3G WLAN	0.66	**1.03**	/			
5.6G WLAN	0.79	0.81	/			
5.8G WLAN	**0.97**	0.81	0.47			
Bluetooth	0.58	0.05	0.11			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
5.3G WLAN	2.66	**2.69**
5.6G WLAN	2.73	
5.8G WLAN	2.38	
MIMO	**2.69**	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

Note: The highest simultaneous SAR please refer section 12.

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 1.03 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 2.69 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:

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

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

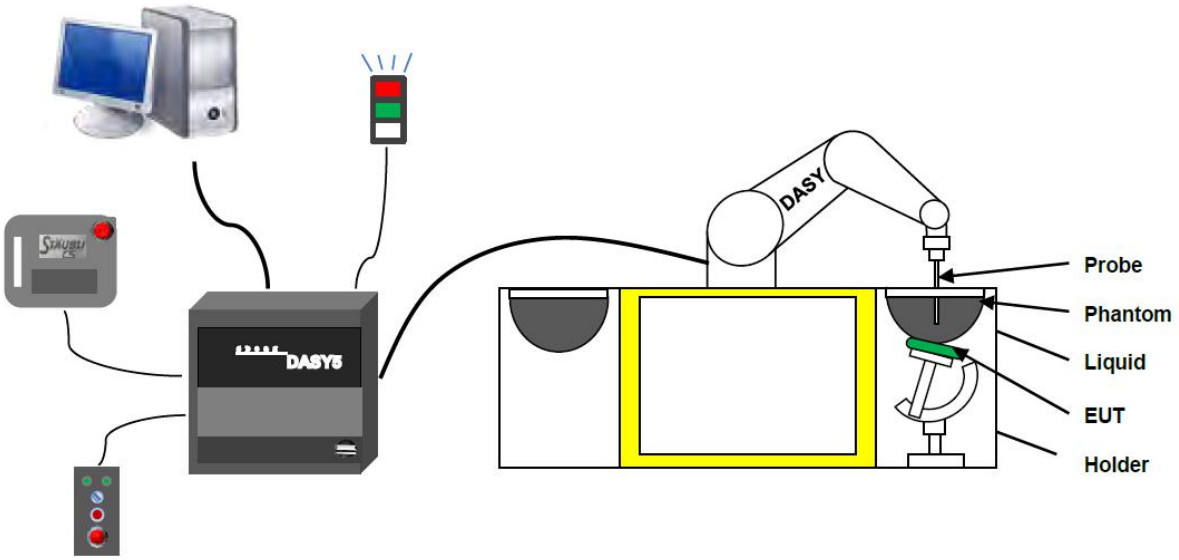
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

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 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 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)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:3717 with following specifications is used.

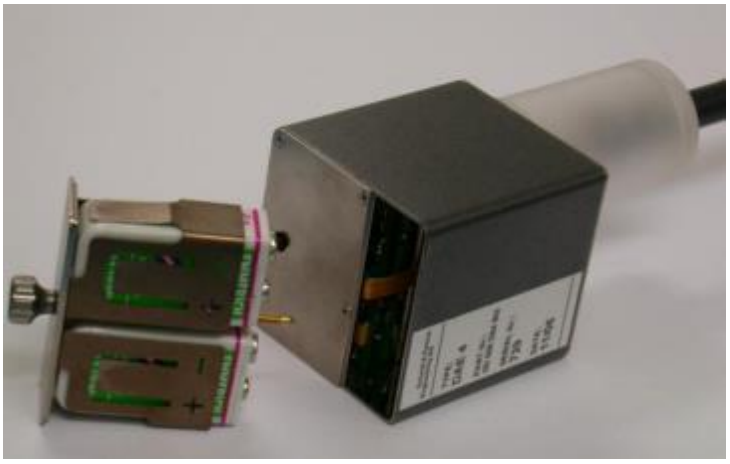
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; 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 µW/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

4.2.4 Data Acquisition Electronics

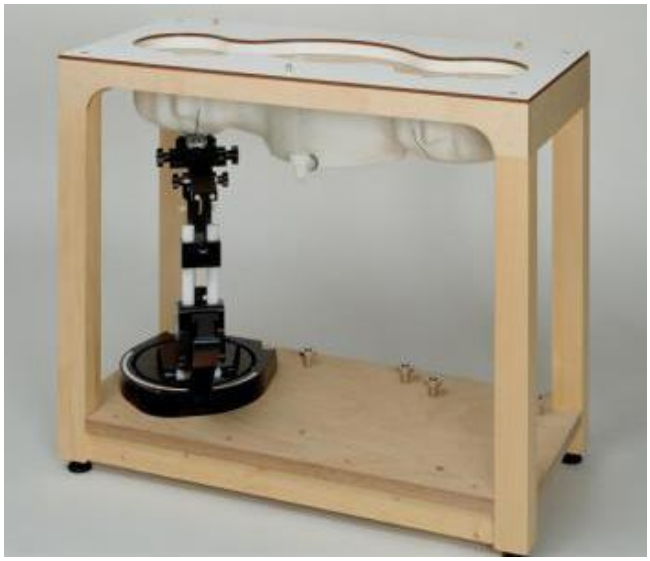
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



- Input Impedance: 200MOhm
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

4.2.5 Phantoms

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



- Left hand
- Right hand
- 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

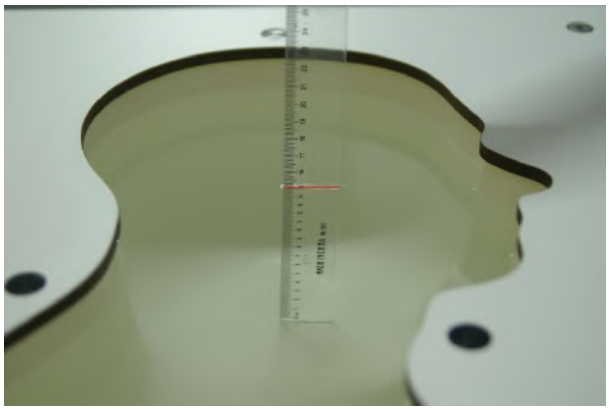
4.2.6 Device Holder

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°.

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ε
5200	62.52	17.24			17.24		4.66	36.0
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ε
5200	78.60	21.40			/		5.54	47.86
5800	78.50	21.40			0.1		6.0	48.20

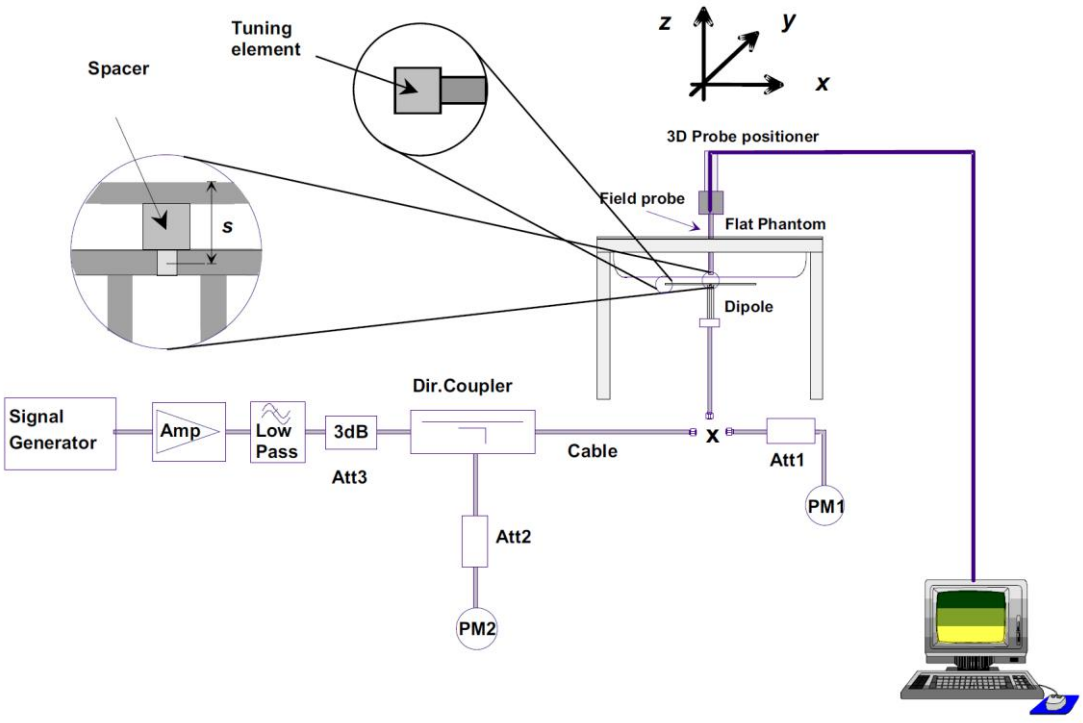
5 SYSTEM VERIFICATION

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

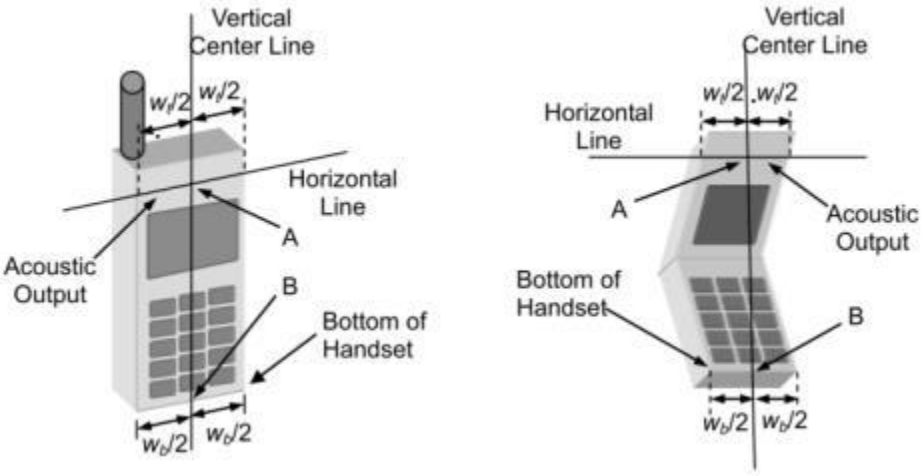
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

(a) 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.

(b) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.

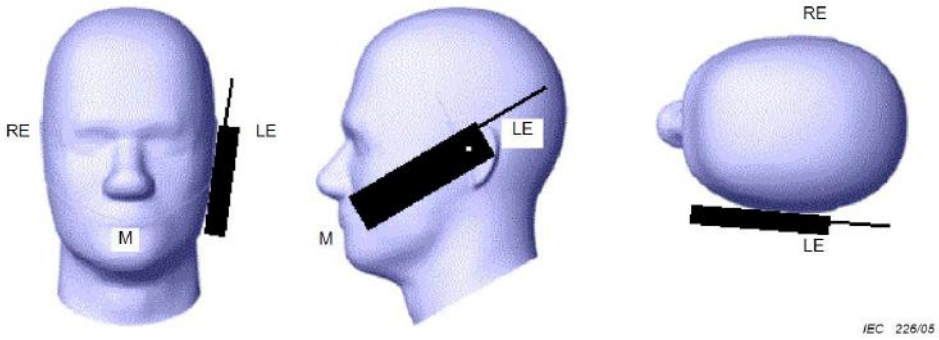
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



6.1.2 Cheek Position

(a) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.

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



6.1.3 Tilted Position

(a) To position the device in the “cheek” position described above.

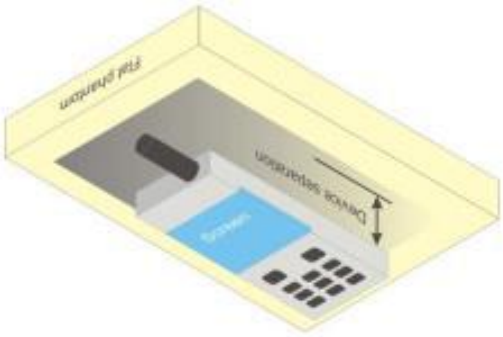
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

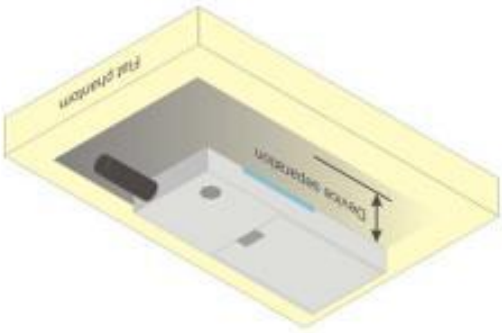
6.2 Body-worn Position Conditions

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

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

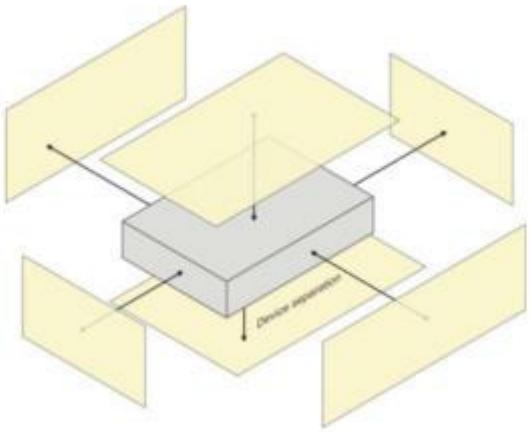
Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice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

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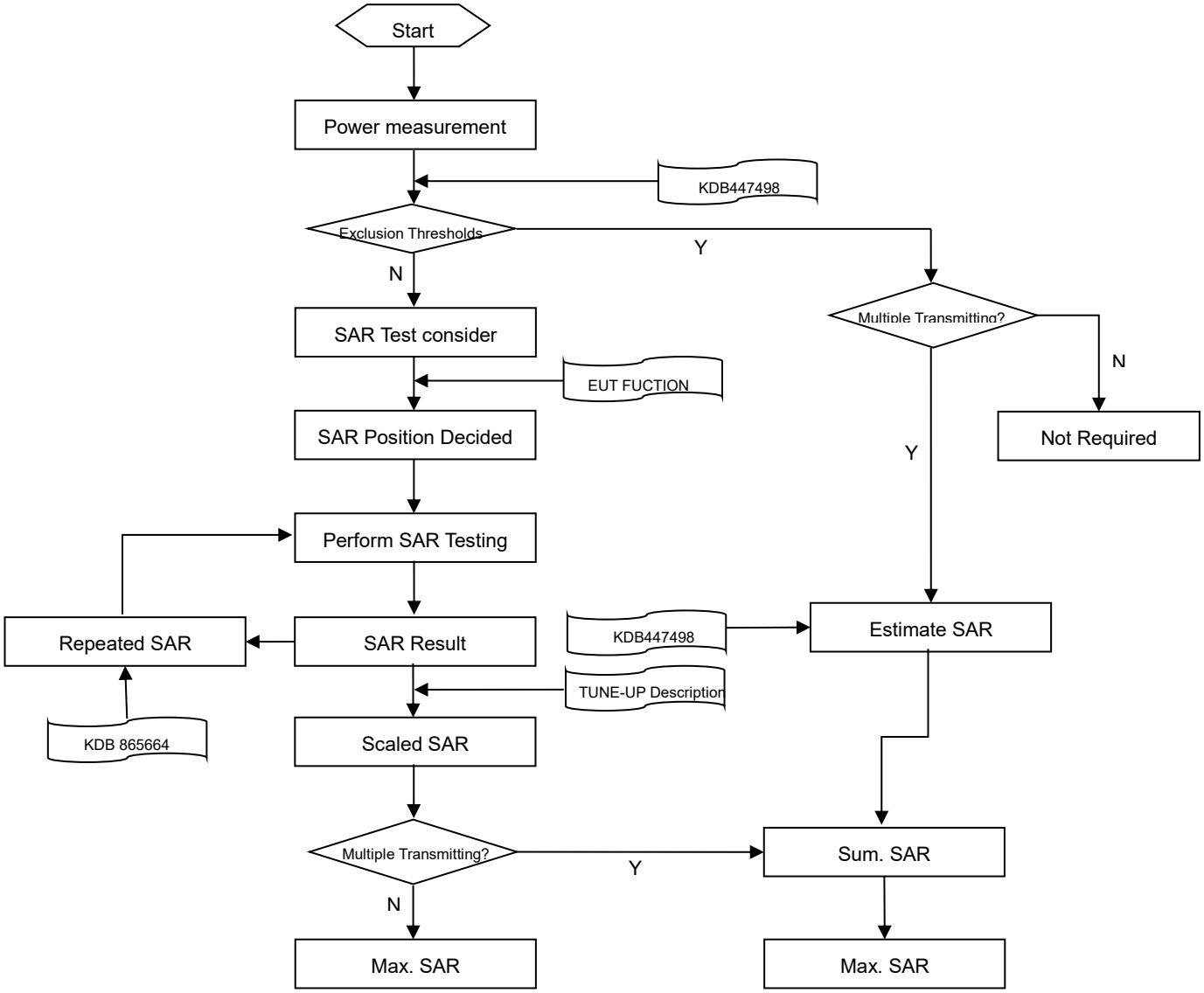
7 MEASUREMENT PROCEDURE

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. Boththe 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.

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">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.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="6">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="3">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="3">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td colspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td rowspan="3">Minimum zoom scan volume</td><td colspan="2" rowspan="3">x, y, z</td><td rowspan="3">≥30 mm</td><td>3–4 GHz: ≥ 28 mm</td></tr>
<tr><td>4–5 GHz: ≥ 25 mm</td></tr>
<tr><td>5–6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">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.</td></tr>
</table>

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 to16 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.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “Conducted RF Output Power List.pdf”.

8.2 WCDMA

Please refer the document “Conducted RF Output Power List.pdf”.

8.3 LTE

Please refer the document “Conducted RF Output Power List.pdf”.

8.4 Intra-Band Uplink CA Normal Power

Note:
1. This devices supports intra-band uplink CA of 7C/38C/41C.
2. For intra-band uplink carrier aggregation power verification and measurement is selected highest PCC and SCC bandwidth combination to do and was according to 3GPP 36.52101 sectino6.2.2A.1 and section 6.2.2A.2 test procedure.
3. For intra-band uplink CA output power was measured high / middle / low channel combination, and for SAR verification is selected highest output power combination with each exposure condition in each frequency band using the highest SAR configuration test in standalone LTE mode.

Please refer the document “Conducted RF Output Power List.pdf”.

8.5 WIFI

8.5.1 2.4G WIFI Full Power ANT 8

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	18.57	19.50	No
		6	2437	**18.87**	19.50	Yes
		11	2462	18.75	19.50	No
	802.11g	1	2412	18.64	19.00	No
		6	2437	18.70	19.00	No
		11	2462	18.56	19.00	No
	802.11n(HT20)	1	2412	18.51	19.00	No
		6	2437	18.66	19.00	No
		11	2462	18.58	19.00	No
	802.11n(HT40)	3	2422	18.68	19.00	No
		6	2437	18.57	19.00	No
		9	2452	18.68	19.00	No
	802.11ac(VHT20)	1	2412	18.46	19.00	No
		6	2437	18.59	19.00	No
		11	2462	18.53	19.00	No
	802.11ac(VHT40)	3	2422	18.69	19.00	No
		6	2437	18.50	19.00	No
		9	2452	18.54	19.00	No
	802.11ax(HE20)	1	2412	18.48	19.00	No
		6	2437	18.50	19.00	No
		11	2462	18.70	19.00	No
	802.11ax(HE40)	3	2422	18.69	19.00	No
		6	2437	18.57	19.00	No
		9	2452	18.70	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (79.43mW/89.13mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.2 2.4G WIFI Full Power ANT 9

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	18.62	19.50	No
		6	2437	**18.71**	19.50	Yes
		11	2462	18.47	19.50	No
	802.11g	1	2412	18.61	19.00	No
		6	2437	18.52	19.00	No
		11	2462	18.50	19.00	No
	802.11n(HT20)	1	2412	18.58	19.00	No
		6	2437	18.67	19.00	No
		11	2462	18.59	19.00	No
	802.11n(HT40)	3	2422	18.58	19.00	No
		6	2437	18.45	19.00	No
		9	2452	18.70	19.00	No
	802.11ac(VHT20)	1	2412	18.49	19.00	No
		6	2437	18.46	19.00	No
		11	2462	18.57	19.00	No
	802.11ac(VHT40)	3	2422	18.64	19.00	No
		6	2437	18.52	19.00	No
		9	2452	18.69	19.00	No
	802.11ax(HE20)	1	2412	18.59	19.00	No
		6	2437	18.61	19.00	No
		11	2462	18.56	19.00	No
	802.11ax(HE40)	3	2422	18.62	19.00	No
		6	2437	18.55	19.00	No
		9	2452	18.46	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (79.43mW/89.13mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.3 2.4G WIFI Full Power MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	21.61	22.50	No

(2.4~2.4835)		6	2437	**21.80**	22.50	Yes
		11	2462	21.62	22.50	No
	802.11g	1	2412	21.64	22.00	No
		6	2437	21.62	22.00	No
		11	2462	21.54	22.00	No
	802.11n(HT20)	1	2412	21.56	22.00	No
		6	2437	21.68	22.00	No
		11	2462	21.60	22.00	No
	802.11n(HT40)	3	2422	21.64	22.00	No
		6	2437	21.52	22.00	No
		9	2452	21.70	22.00	No
	802.11ac(VHT20)	1	2412	21.49	22.00	No
		6	2437	21.54	22.00	No
		11	2462	21.56	22.00	No
	802.11ac(VHT40)	3	2422	21.68	22.00	No
		6	2437	21.52	22.00	No
		9	2452	21.63	22.00	No
	802.11ax(HE20)	1	2412	21.55	22.00	No
		6	2437	21.57	22.00	No
		11	2462	21.64	22.00	No
	802.11ax(HE40)	3	2422	21.67	22.00	No
		6	2437	21.57	22.00	No
		9	2452	21.59	22.00	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (158.49mW/177.83mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.4 2.4G WIFI Level 1 ANT 8

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	15.33	16.00	No
		6	2437	**15.41**	16.00	Yes
		11	2462	15.31	16.00	No
	802.11g	1	2412	15.25	15.50	No
		6	2437	15.11	15.50	No

		11	2462	15.10	15.50	No
	802.11n(HT20)	1	2412	15.18	15.50	No
		6	2437	15.24	15.50	No
		11	2462	15.20	15.50	No
	802.11n(HT40)	3	2422	15.25	15.50	No
		6	2437	15.18	15.50	No
		9	2452	15.12	15.50	No
	802.11ac(VHT20)	1	2412	15.25	15.50	No
		6	2437	15.25	15.50	No
		11	2462	15.19	15.50	No
	802.11ac(VHT40)	3	2422	15.25	15.50	No
		6	2437	15.16	15.50	No
		9	2452	15.16	15.50	No
	802.11ax(HE20)	1	2412	15.12	15.50	No
		6	2437	15.13	15.50	No
		11	2462	15.13	15.50	No
	802.11ax(HE40)	3	2422	15.14	15.50	No
		6	2437	15.21	15.50	No
		9	2452	15.11	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (39.81mW/35.48mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.5 2.4G WIFI Level 1 ANT 9

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	15.27	16.00	No
		6	2437	**15.39**	16.00	Yes
		11	2462	15.06	16.00	No
	802.11g	1	2412	15.16	15.50	No
		6	2437	15.11	15.50	No
		11	2462	15.13	15.50	No
	802.11n(HT20)	1	2412	15.13	15.50	No
		6	2437	15.21	15.50	No
		11	2462	15.14	15.50	No

	802.11n(HT40)	3	2422	15.15	15.50	No
		6	2437	15.12	15.50	No
		9	2452	15.20	15.50	No
	802.11ac(VHT20)	1	2412	15.23	15.50	No
		6	2437	15.22	15.50	No
		11	2462	15.14	15.50	No
	802.11ac(VHT40)	3	2422	15.10	15.50	No
		6	2437	15.14	15.50	No
		9	2452	15.16	15.50	No
	802.11ax(HE20)	1	2412	15.16	15.50	No
		6	2437	15.15	15.50	No
		11	2462	15.23	15.50	No
	802.11ax(HE40)	3	2422	15.11	15.50	No
		6	2437	15.17	15.50	No
		9	2452	15.12	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (39.81mW/35.48mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.6 2.4G WIFI Level 1 MIMO

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	18.31	19.00	No
		6	2437	**18.41**	19.00	Yes
		11	2462	18.20	19.00	No
	802.11g	1	2412	18.22	18.50	No
		6	2437	18.12	18.50	No
		11	2462	18.13	18.50	No
	802.11n(HT20)	1	2412	18.17	18.50	No
		6	2437	18.24	18.50	No
		11	2462	18.18	18.50	No
	802.11n(HT40)	3	2422	18.21	18.50	No
		6	2437	18.16	18.50	No
		9	2452	18.17	18.50	No
	802.11ac(VHT20)	1	2412	18.25	18.50	No

		6	2437	18.25	18.50	No
		11	2462	18.18	18.50	No
	802.11ac(VHT40)	3	2422	18.19	18.50	No
		6	2437	18.16	18.50	No
		9	2452	18.17	18.50	No
	802.11ax(HE20)	1	2412	18.15	18.50	No
		6	2437	18.15	18.50	No
		11	2462	18.19	18.50	No
	802.11ax(HE40)	3	2422	18.14	18.50	No
		6	2437	18.20	18.50	No
		9	2452	18.13	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/ac/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 than 802.11ac than 802.11ax.

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 $\leqslant$ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = 0.625* (70.79mW/79.43mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.7 2.4G WIFI Level 2 ANT 8

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	13.06	13.50	No
		6	2437	**13.11**	13.50	Yes
		11	2462	13.05	13.50	No
	802.11g	1	2412	12.54	13.00	No
		6	2437	12.39	13.00	No
		11	2462	12.35	13.00	No
	802.11n(HT20)	1	2412	12.48	13.00	No
		6	2437	12.48	13.00	No
		11	2462	12.46	13.00	No
	802.11n(HT40)	3	2422	12.47	13.00	No
		6	2437	12.54	13.00	No
		9	2452	12.48	13.00	No
	802.11ac(VHT20)	1	2412	12.35	13.00	No
		6	2437	12.52	13.00	No
		11	2462	12.47	13.00	No
	802.11ac(VHT40)	3	2422	12.54	13.00	No
		6	2437	12.55	13.00	No

		9	2452	12.46	13.00	No
	802.11ax(HE20)	1	2412	12.46	13.00	No
		6	2437	12.53	13.00	No
		11	2462	12.45	13.00	No
	802.11ax(HE40)	3	2422	12.42	13.00	No
		6	2437	12.48	13.00	No
		9	2452	12.49	13.00	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (19.95mW/22.38mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.8 2.4G WIFI Level 2 ANT 9

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	13.01	13.50	No
		6	2437	**13.02**	13.50	Yes
		11	2462	13.02	13.50	No
	802.11g	1	2412	12.45	13.00	No
		6	2437	12.35	13.00	No
		11	2462	12.49	13.00	No
	802.11n(HT20)	1	2412	12.54	13.00	No
		6	2437	12.45	13.00	No
		11	2462	12.36	13.00	No
	802.11n(HT40)	3	2422	12.37	13.00	No
		6	2437	12.45	13.00	No
		9	2452	12.47	13.00	No
	802.11ac(VHT20)	1	2412	12.46	13.00	No
		6	2437	12.39	13.00	No
		11	2462	12.38	13.00	No
	802.11ac(VHT40)	3	2422	12.37	13.00	No
		6	2437	12.44	13.00	No
		9	2452	12.47	13.00	No
	802.11ax(HE20)	1	2412	12.53	13.00	No
		6	2437	12.46	13.00	No
		11	2462	12.37	13.00	No

	802.11ax(HE40)	3	2422	12.42	13.00	No
		6	2437	12.39	13.00	No
		9	2452	12.35	13.00	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (19.95mW/22.38mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.9 2.4G WIFI Level 2 MIMO

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	16.05	16.50	No
		6	2437	**16.08**	16.50	Yes
		11	2462	16.05	16.50	No
	802.11g	1	2412	15.51	16.00	No
		6	2437	15.38	16.00	No
		11	2462	15.43	16.00	No
	802.11n(HT20)	1	2412	15.52	16.00	No
		6	2437	15.48	16.00	No
		11	2462	15.42	16.00	No
	802.11n(HT40)	3	2422	15.43	16.00	No
		6	2437	15.51	16.00	No
		9	2452	15.49	16.00	No
	802.11ac(VHT20)	1	2412	15.42	16.00	No
		6	2437	15.47	16.00	No
		11	2462	15.44	16.00	No
	802.11ac(VHT40)	3	2422	15.47	16.00	No
		6	2437	15.51	16.00	No
		9	2452	15.48	16.00	No
	802.11ax(HE20)	1	2412	15.51	16.00	No
		6	2437	15.51	16.00	No
		11	2462	15.42	16.00	No
	802.11ax(HE40)	3	2422	15.43	16.00	No
		6	2437	15.45	16.00	No
		9	2452	15.43	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (39.81mW/44.67mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.10 2.4G WIFI Level 3&4 ANT 8

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	10.16	11.00	No
		6	2437	**10.25**	11.00	Yes
		11	2462	10.21	11.00	No
	802.11g	1	2412	9.60	10.50	No
		6	2437	9.68	10.50	No
		11	2462	9.60	10.50	No
	802.11n(HT20)	1	2412	9.68	10.50	No
		6	2437	9.74	10.50	No
		11	2462	9.62	10.50	No
	802.11n(HT40)	3	2422	9.64	10.50	No
		6	2437	9.70	10.50	No
		9	2452	9.69	10.50	No
	802.11ac(VHT20)	1	2412	9.73	10.50	No
		6	2437	9.66	10.50	No
		11	2462	9.60	10.50	No
	802.11ac(VHT40)	3	2422	9.60	10.50	No
		6	2437	9.60	10.50	No
		9	2452	9.60	10.50	No
	802.11ax(HE20)	1	2412	9.71	10.50	No
		6	2437	9.65	10.50	No
		11	2462	9.61	10.50	No
	802.11ax(HE40)	3	2422	9.67	10.50	No
		6	2437	9.70	10.50	No
		9	2452	9.75	10.50	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (11.22mW/12.59mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.11 2.4G WIFI Level 3&4 ANT 9

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	10.15	11.00	No
		6	2437	**10.18**	11.00	Yes
		11	2462	9.89	11.00	No
	802.11g	1	2412	9.67	10.50	No
		6	2437	9.62	10.50	No
		11	2462	9.75	10.50	No
	802.11n(HT20)	1	2412	9.60	10.50	No
		6	2437	9.71	10.50	No
		11	2462	9.74	10.50	No
	802.11n(HT40)	3	2422	9.67	10.50	No
		6	2437	9.67	10.50	No
		9	2452	9.61	10.50	No
	802.11ac(VHT20)	1	2412	9.75	10.50	No
		6	2437	9.65	10.50	No
		11	2462	9.74	10.50	No
	802.11ac(VHT40)	3	2422	9.67	10.50	No
		6	2437	9.72	10.50	No
		9	2452	9.75	10.50	No
	802.11ax(HE20)	1	2412	9.66	10.50	No
		6	2437	9.69	10.50	No
		11	2462	9.67	10.50	No
	802.11ax(HE40)	3	2422	9.66	10.50	No
		6	2437	9.72	10.50	No
		9	2452	9.66	10.50	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (11.22mW/12.59mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.12 2.4G WIFI Level 3&4 MIMO

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	13.17	14.00	No
		6	2437	**13.23**	14.00	Yes
		11	2462	13.06	14.00	No
	802.11g	1	2412	12.65	13.50	No
		6	2437	12.66	13.50	No
		11	2462	12.69	13.50	No
	802.11n(HT20)	1	2412	12.65	13.50	No
		6	2437	12.74	13.50	No
		11	2462	12.69	13.50	No
	802.11n(HT40)	3	2422	12.67	13.50	No
		6	2437	12.70	13.50	No
		9	2452	12.66	13.50	No
	802.11ac(VHT20)	1	2412	12.75	13.50	No
		6	2437	12.67	13.50	No
		11	2462	12.68	13.50	No
	802.11ac(VHT40)	3	2422	12.65	13.50	No
		6	2437	12.67	13.50	No
		9	2452	12.69	13.50	No
	802.11ax(HE20)	1	2412	12.70	13.50	No
		6	2437	12.68	13.50	No
		11	2462	12.65	13.50	No
	802.11ax(HE40)	3	2422	12.68	13.50	No
		6	2437	12.72	13.50	No
		9	2452	12.72	13.50	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (22.39mW/25.12mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.13 2.4G WIFI Level 5 ANT 8

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	18.57	19.50	No
		6	2437	**18.87**	19.50	Yes
		11	2462	18.75	19.50	No
	802.11g	1	2412	18.64	19.00	No
		6	2437	18.70	19.00	No
		11	2462	18.56	19.00	No
	802.11n(HT20)	1	2412	18.51	19.00	No
		6	2437	18.66	19.00	No
		11	2462	18.58	19.00	No
	802.11n(HT40)	3	2422	18.68	19.00	No
		6	2437	18.57	19.00	No
		9	2452	18.68	19.00	No
	802.11ac(VHT20)	1	2412	18.46	19.00	No
		6	2437	18.59	19.00	No
		11	2462	18.53	19.00	No
	802.11ac(VHT40)	3	2422	18.69	19.00	No
		6	2437	18.50	19.00	No
		9	2452	18.54	19.00	No
	802.11ax(HE20)	1	2412	18.48	19.00	No
		6	2437	18.50	19.00	No
		11	2462	18.70	19.00	No
	802.11ax(HE40)	3	2422	18.69	19.00	No
		6	2437	18.57	19.00	No
		9	2452	18.70	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (79.43mW/89.13mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.14 2.4G WIFI Level 5 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4	802.11b	1	2412	18.62	19.50	No

(2.4~2.4835)		6	2437	**18.71**	19.50	Yes
		11	2462	18.47	19.50	No
	802.11g	1	2412	18.61	19.00	No
		6	2437	18.52	19.00	No
		11	2462	18.50	19.00	No
	802.11n(HT20)	1	2412	18.58	19.00	No
		6	2437	18.67	19.00	No
		11	2462	18.59	19.00	No
	802.11n(HT40)	3	2422	18.58	19.00	No
		6	2437	18.45	19.00	No
		9	2452	18.70	19.00	No
	802.11ac(VHT20)	1	2412	18.49	19.00	No
		6	2437	18.46	19.00	No
		11	2462	18.57	19.00	No
	802.11ac(VHT40)	3	2422	18.64	19.00	No
		6	2437	18.52	19.00	No
		9	2452	18.69	19.00	No
	802.11ax(HE20)	1	2412	18.59	19.00	No
		6	2437	18.61	19.00	No
		11	2462	18.56	19.00	No
	802.11ax(HE40)	3	2422	18.62	19.00	No
		6	2437	18.55	19.00	No
		9	2452	18.46	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (79.43mW/89.13mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.15 2.4G WIFI Level 5 MIMO

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	21.61	22.50	No
		6	2437	**21.80**	22.50	Yes
		11	2462	21.62	22.50	No
	802.11g	1	2412	21.64	22.00	No
		6	2437	21.62	22.00	No

		11	2462	21.54	22.00	No
	802.11n(HT20)	1	2412	21.56	22.00	No
		6	2437	21.68	22.00	No
		11	2462	21.60	22.00	No
	802.11n(HT40)	3	2422	21.64	22.00	No
		6	2437	21.52	22.00	No
		9	2452	21.70	22.00	No
	802.11ac(VHT20)	1	2412	21.49	22.00	No
		6	2437	21.54	22.00	No
		11	2462	21.56	22.00	No
	802.11ac(VHT40)	3	2422	21.68	22.00	No
		6	2437	21.52	22.00	No
		9	2452	21.63	22.00	No
	802.11ax(HE20)	1	2412	21.55	22.00	No
		6	2437	21.57	22.00	No
		11	2462	21.64	22.00	No
	802.11ax(HE40)	3	2422	21.67	22.00	No
		6	2437	21.57	22.00	No
		9	2452	21.59	22.00	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (177.83mW/158.49mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.16 2.4G WIFI Level 6 ANT 8

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	18.57	19.50	No
		6	2437	**18.87**	19.50	Yes
		11	2462	18.75	19.50	No
	802.11g	1	2412	18.64	19.00	No
		6	2437	18.70	19.00	No
		11	2462	18.56	19.00	No
	802.11n(HT20)	1	2412	18.51	19.00	No
		6	2437	18.66	19.00	No
		11	2462	18.58	19.00	No

	802.11n(HT40)	3	2422	18.68	19.00	No
		6	2437	18.57	19.00	No
		9	2452	18.68	19.00	No
	802.11ac(VHT20)	1	2412	18.46	19.00	No
		6	2437	18.59	19.00	No
		11	2462	18.53	19.00	No
	802.11ac(VHT40)	3	2422	18.69	19.00	No
		6	2437	18.50	19.00	No
		9	2452	18.54	19.00	No
	802.11ax(HE20)	1	2412	18.48	19.00	No
		6	2437	18.50	19.00	No
		11	2462	18.70	19.00	No
	802.11ax(HE40)	3	2422	18.69	19.00	No
		6	2437	18.57	19.00	No
		9	2452	18.70	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (79.43mW/89.13mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.17 2.4G WIFI Level 6 ANT 9

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	18.62	19.50	No
		6	2437	**18.71**	19.50	Yes
		11	2462	18.47	19.50	No
	802.11g	1	2412	18.61	19.00	No
		6	2437	18.52	19.00	No
		11	2462	18.50	19.00	No
	802.11n(HT20)	1	2412	18.58	19.00	No
		6	2437	18.67	19.00	No
		11	2462	18.59	19.00	No
	802.11n(HT40)	3	2422	18.58	19.00	No
		6	2437	18.45	19.00	No
		9	2452	18.70	19.00	No
	802.11ac(VHT20)	1	2412	18.49	19.00	No

		6	2437	18.46	19.00	No
		11	2462	18.57	19.00	No
	802.11ac(VHT40)	3	2422	18.64	19.00	No
		6	2437	18.52	19.00	No
		9	2452	18.69	19.00	No
	802.11ax(HE20)	1	2412	18.59	19.00	No
		6	2437	18.61	19.00	No
		11	2462	18.56	19.00	No
	802.11ax(HE40)	3	2422	18.62	19.00	No
		6	2437	18.55	19.00	No
		9	2452	18.46	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (79.43mW/89.13mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.18 2.4G WIFI Level 6 MIMO

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	21.61	22.50	No
		6	2437	**21.80**	22.50	Yes
		11	2462	21.62	22.50	No
	802.11g	1	2412	21.64	22.00	No
		6	2437	21.62	22.00	No
		11	2462	21.54	22.00	No
	802.11n(HT20)	1	2412	21.56	22.00	No
		6	2437	21.68	22.00	No
		11	2462	21.60	22.00	No
	802.11n(HT40)	3	2422	21.64	22.00	No
		6	2437	21.52	22.00	No
		9	2452	21.70	22.00	No
	802.11ac(VHT20)	1	2412	21.49	22.00	No
		6	2437	21.54	22.00	No
		11	2462	21.56	22.00	No
	802.11ac(VHT40)	3	2422	21.68	22.00	No
		6	2437	21.52	22.00	No

		9	2452	21.63	22.00	No
	802.11ax(HE20)	1	2412	21.55	22.00	No
		6	2437	21.57	22.00	No
		11	2462	21.64	22.00	No
	802.11ax(HE40)	3	2422	21.67	22.00	No
		6	2437	21.57	22.00	No
		9	2452	21.59	22.00	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (177.83mW/158.49mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.19 2.4G WIFI Level 7 ANT 8

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	17.62	18.50	No
		6	2437	**17.83**	18.50	Yes
		11	2462	17.71	18.50	No
	802.11g	1	2412	17.18	18.00	No
		6	2437	17.15	18.00	No
		11	2462	17.10	18.00	No
	802.11n(HT20)	1	2412	17.15	18.00	No
		6	2437	17.22	18.00	No
		11	2462	17.13	18.00	No
	802.11n(HT40)	3	2422	17.14	18.00	No
		6	2437	17.14	18.00	No
		9	2452	17.10	18.00	No
	802.11ac(VHT20)	1	2412	17.20	18.00	No
		6	2437	17.14	18.00	No
		11	2462	17.18	18.00	No
	802.11ac(VHT40)	3	2422	17.10	18.00	No
		6	2437	17.19	18.00	No
		9	2452	17.17	18.00	No
	802.11ax(HE20)	1	2412	17.17	18.00	No
		6	2437	17.10	18.00	No
		11	2462	17.19	18.00	No

	802.11ax(HE40)	3	2422	17.25	18.00	No
		6	2437	17.25	18.00	No
		9	2452	17.16	18.00	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (63.10mW/70.79mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.20 2.4G WIFI Level 7 ANT 9

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	17.69	18.50	No
		6	2437	**17.71**	18.50	Yes
		11	2462	17.42	18.50	No
	802.11g	1	2412	17.18	18.00	No
		6	2437	17.18	18.00	No
		11	2462	17.12	18.00	No
	802.11n(HT20)	1	2412	17.20	18.00	No
		6	2437	17.18	18.00	No
		11	2462	17.25	18.00	No
	802.11n(HT40)	3	2422	17.25	18.00	No
		6	2437	17.18	18.00	No
		9	2452	17.23	18.00	No
	802.11ac(VHT20)	1	2412	17.20	18.00	No
		6	2437	17.19	18.00	No
		11	2462	17.16	18.00	No
	802.11ac(VHT40)	3	2422	17.19	18.00	No
		6	2437	17.15	18.00	No
		9	2452	17.20	18.00	No
	802.11ax(HE20)	1	2412	17.14	18.00	No
		6	2437	17.19	18.00	No
		11	2462	17.19	18.00	No
	802.11ax(HE40)	3	2422	17.21	18.00	No
		6	2437	17.23	18.00	No
		9	2452	17.24	18.00	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (63.10mW/70.79mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.21 2.4G WIFI Level 7 MIMO

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	20.67	21.50	No
		6	2437	**20.78**	21.50	Yes
		11	2462	20.58	21.50	No
	802.11g	1	2412	20.19	21.00	No
		6	2437	20.18	21.00	No
		11	2462	20.12	21.00	No
	802.11n(HT20)	1	2412	20.19	21.00	No
		6	2437	20.21	21.00	No
		11	2462	20.20	21.00	No
	802.11n(HT40)	3	2422	20.21	21.00	No
		6	2437	20.17	21.00	No
		9	2452	20.18	21.00	No
	802.11ac(VHT20)	1	2412	20.21	21.00	No
		6	2437	20.18	21.00	No
		11	2462	20.18	21.00	No
	802.11ac(VHT40)	3	2422	20.16	21.00	No
		6	2437	20.18	21.00	No
		9	2452	20.20	21.00	No
	802.11ax(HE20)	1	2412	20.17	21.00	No
		6	2437	20.16	21.00	No
		11	2462	20.20	21.00	No
	802.11ax(HE40)	3	2422	20.24	21.00	No
		6	2437	20.25	21.00	No
		9	2452	20.21	21.00	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (125.89mW/141.25mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.22 2.4G WIFI Level 8 ANT 8

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	15.33	16.00	No
		6	2437	**15.41**	16.00	Yes
		11	2462	15.31	16.00	No
	802.11g	1	2412	15.25	15.50	No
		6	2437	15.11	15.50	No
		11	2462	15.10	15.50	No
	802.11n(HT20)	1	2412	15.18	15.50	No
		6	2437	15.24	15.50	No
		11	2462	15.20	15.50	No
	802.11n(HT40)	3	2422	15.25	15.50	No
		6	2437	15.18	15.50	No
		9	2452	15.12	15.50	No
	802.11ac(VHT20)	1	2412	15.25	15.50	No
		6	2437	15.25	15.50	No
		11	2462	15.19	15.50	No
	802.11ac(VHT40)	3	2422	15.25	15.50	No
		6	2437	15.16	15.50	No
		9	2452	15.16	15.50	No
	802.11ax(HE20)	1	2412	15.12	15.50	No
		6	2437	15.13	15.50	No
		11	2462	15.13	15.50	No
	802.11ax(HE40)	3	2422	15.14	15.50	No
		6	2437	15.21	15.50	No
		9	2452	15.11	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (35.48mW/39.81mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.23 2.4G WIFI Level 8 ANT 9

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	15.27	16.00	No
		6	2437	**15.39**	16.00	Yes
		11	2462	15.06	16.00	No
	802.11g	1	2412	15.16	15.50	No
		6	2437	15.11	15.50	No
		11	2462	15.13	15.50	No
	802.11n(HT20)	1	2412	15.13	15.50	No
		6	2437	15.21	15.50	No
		11	2462	15.14	15.50	No
	802.11n(HT40)	3	2422	15.15	15.50	No
		6	2437	15.12	15.50	No
		9	2452	15.20	15.50	No
	802.11ac(VHT20)	1	2412	15.23	15.50	No
		6	2437	15.22	15.50	No
		11	2462	15.14	15.50	No
	802.11ac(VHT40)	3	2422	15.10	15.50	No
		6	2437	15.14	15.50	No
		9	2452	15.16	15.50	No
	802.11ax(HE20)	1	2412	15.16	15.50	No
		6	2437	15.15	15.50	No
		11	2462	15.23	15.50	No
	802.11ax(HE40)	3	2422	15.11	15.50	No
		6	2437	15.17	15.50	No
		9	2452	15.12	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (35.48mW/39.81mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.24 2.4G WIFI Level 8 MIMO

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	18.31	19.00	No
		6	2437	**18.41**	19.00	Yes
		11	2462	18.20	19.00	No
	802.11g	1	2412	18.22	18.50	No
		6	2437	18.12	18.50	No
		11	2462	18.13	18.50	No
	802.11n(HT20)	1	2412	18.17	18.50	No
		6	2437	18.24	18.50	No
		11	2462	18.18	18.50	No
	802.11n(HT40)	3	2422	18.21	18.50	No
		6	2437	18.16	18.50	No
		9	2452	18.17	18.50	No
	802.11ac(VHT20)	1	2412	18.25	18.50	No
		6	2437	18.25	18.50	No
		11	2462	18.18	18.50	No
	802.11ac(VHT40)	3	2422	18.19	18.50	No
		6	2437	18.16	18.50	No
		9	2452	18.17	18.50	No
	802.11ax(HE20)	1	2412	18.15	18.50	No
		6	2437	18.15	18.50	No
		11	2462	18.19	18.50	No
	802.11ax(HE40)	3	2422	18.14	18.50	No
		6	2437	18.20	18.50	No
		9	2452	18.13	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/ac/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 than 802.11ac than 802.11ax.

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.

Adjusted SAR = 0.625* (70.79mW/79.43mW) = 0.557 W/Kg, so 2.4G OFDM SAR test is not required.

8.5.25 5G WIFI Full Power ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.15	19.50	No
		40	5200	18.08	19.50	No
		48	5240	18.05	19.50	No
	802.11n(HT20)	36	5180	18.10	19.50	No
		44	5220	18.20	19.50	No
		48	5240	18.24	19.50	No
	802.11n(HT40)	38	5190	18.08	19.50	No
		46	5230	18.07	19.50	No
	802.11ac(VHT20)	36	5180	18.21	19.50	No
		40	5200	18.12	19.50	No
		48	5240	18.13	19.50	No
	802.11ac(VHT40)	38	5190	18.20	19.50	No
		46	5230	18.08	19.50	No
	802.11ac(VHT80)	42	5210	18.19	19.50	No
	802.11ac(VHT160)	50	5250	**18.17**	19.50	Yes
	802.11ax(HE20)	36	5180	18.08	19.50	No
		40	5200	18.20	19.50	No
		48	5240	18.09	19.50	No
	802.11ax(HE40)	38	5190	18.21	19.50	No
		46	5230	18.19	19.50	No
	802.11ax(HE80)	42	5210	18.13	19.50	No
	802.11ax(HE160)	50	5250	18.13	19.50	No
5.3 (5.25~5.35)	802.11a	52	5260	18.06	19.50	No
		60	5300	18.10	19.50	No
		64	5320	18.24	19.50	No
	802.11n(HT20)	52	5260	18.23	19.50	No
		60	5300	18.08	19.50	No
		64	5320	18.23	19.50	No
	802.11n(HT40)	54	5270	18.21	19.50	No
		62	5310	18.24	19.50	No
	802.11ac(VHT20)	52	5260	18.10	19.50	No
		60	5300	18.11	19.50	No
		64	5320	18.12	19.50	No
	802.11ac(VHT40)	54	5270	18.14	19.50	No
		62	5310	18.06	19.50	No
	802.11ac(VHT80)	58	5290	**17.90**	19.50	Yes
	802.11ax(HE20)	52	5260	18.09	19.50	No
		60	5300	18.16	19.50	No

		64	5320	18.11	19.50	No
	802.11ax(HE40)	54	5270	18.24	19.50	No
		62	5310	18.18	19.50	No
	802.11ax(HE80)	58	5290	18.16	19.50	No
5.6 (5.47~5.725)	802.11a	116	5580	18.23	19.50	No
		140	5700	18.20	19.50	No
		100	5500	18.24	19.50	No
	802.11n(HT20)	116	5580	18.24	19.50	No
		140	5700	18.20	19.50	No
		102	5510	18.13	19.50	No
	802.11n(HT40)	110	5550	18.11	19.50	No
		134	5670	18.12	19.50	No
		100	5500	18.09	19.50	No
	802.11ac(VHT20)	116	5580	18.08	19.50	No
		140	5700	18.25	19.50	No
		102	5510	18.15	19.50	No
	802.11ac(VHT40)	110	5550	18.05	19.50	No
		134	5670	18.22	19.50	No
		106	5530	18.22	19.50	No
	802.11ac(VHT80)	106	5530	18.19	19.50	No
		122	5610	18.16	19.50	No
		138	5690	18.15	19.50	No
	802.11ac(VHT160)	114	5570	**18.18**	19.50	Yes
	802.11ax(HE20)	100	5500	18.15	19.50	No
		116	5580	18.25	19.50	No
		140	5700	18.06	19.50	No
	802.11ax(HE40)	102	5510	18.10	19.50	No
		110	5550	18.21	19.50	No
		134	5670	18.11	19.50	No
	802.11ax(HE80)	106	5530	18.21	19.50	No
		122	5610	18.17	19.50	No
		138	5690	18.17	19.50	No
	802.11ax(HE160)	114	5570	18.19	19.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.19	19.50	No
		157	5785	18.10	19.50	No
		165	5825	18.18	19.50	No
	802.11n(HT20)	149	5745	18.17	19.50	No
		157	5785	18.05	19.50	No
		165	5825	18.14	19.50	No
	802.11n(HT40)	151	5755	18.21	19.50	No
		159	5795	18.19	19.50	No

	802.11ac(VHT20)	149	5745	18.17	19.50	No
		157	5785	18.05	19.50	No
		165	5825	18.07	19.50	No
	802.11ac(VHT40)	151	5755	18.06	19.50	No
		159	5795	18.25	19.50	No
	802.11ac(VHT80)	155	5775	**18.35**	19.50	Yes
	802.11ax(HE20)	149	5745	18.25	19.50	No
		157	5785	18.19	19.50	No
		165	5825	18.22	19.50	No
	802.11ax(HE40)	151	5755	18.12	19.50	No
		159	5795	18.07	19.50	No
	802.11ax(HE80)	155	5775	18.18	19.50	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.						

8.5.26 5G WIFI Full Power ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.18	19.50	No
		40	5200	18.19	19.50	No
		48	5240	18.25	19.50	No
	802.11n(HT20)	36	5180	18.20	19.50	No
		44	5220	18.13	19.50	No
		48	5240	18.09	19.50	No
	802.11n(HT40)	38	5190	18.06	19.50	No
		46	5230	18.16	19.50	No
	802.11ac(VHT20)	36	5180	18.18	19.50	No
		40	5200	18.07	19.50	No
		48	5240	18.06	19.50	No
	802.11ac(VHT40)	38	5190	18.06	19.50	No
		46	5230	18.14	19.50	No
	802.11ac(VHT80)	42	5210	18.06	19.50	No
	802.11ac(VHT160)	50	5250	**18.15**	19.50	Yes
	802.11ax(HE20)	36	5180	18.05	19.50	No
		40	5200	18.14	19.50	No
		48	5240	18.25	19.50	No
	802.11ax(HE40)	38	5190	18.20	19.50	No
		46	5230	18.24	19.50	No
	802.11ax(HE80)	42	5210	18.08	19.50	No
	802.11ax(HE160)	50	5250	18.25	19.50	No

5.3 (5.25~5.35)	802.11a	52	5260	18.07	19.50	No
		60	5300	18.05	19.50	No
		64	5320	18.21	19.50	No
	802.11n(HT20)	52	5260	18.18	19.50	No
		60	5300	18.10	19.50	No
		64	5320	18.23	19.50	No
	802.11n(HT40)	54	5270	18.23	19.50	No
		62	5310	18.06	19.50	No
	802.11ac(VHT20)	52	5260	18.20	19.50	No
		60	5300	18.15	19.50	No
		64	5320	18.15	19.50	No
	802.11ac(VHT40)	54	5270	18.14	19.50	No
		62	5310	18.20	19.50	No
	802.11ac(VHT80)	58	5290	**18.18**	19.50	Yes
	802.11ax(HE20)	52	5260	18.21	19.50	No
		60	5300	18.06	19.50	No
		64	5320	18.12	19.50	No
	802.11ax(HE40)	54	5270	18.10	19.50	No
		62	5310	18.05	19.50	No
	802.11ax(HE80)	58	5290	18.18	19.50	No
5.6 (5.47~5.725)	802.11a	116	5580	18.18	19.50	No
		140	5700	18.15	19.50	No
		100	5500	18.25	19.50	No
	802.11n(HT20)	116	5580	18.15	19.50	No
		140	5700	18.11	19.50	No
		102	5510	18.16	19.50	No
	802.11n(HT40)	110	5550	18.06	19.50	No
		134	5670	18.11	19.50	No
		100	5500	18.10	19.50	No
	802.11ac(VHT20)	116	5580	18.15	19.50	No
		140	5700	18.23	19.50	No
		102	5510	18.13	19.50	No
	802.11ac(VHT40)	110	5550	18.21	19.50	No
		134	5670	18.16	19.50	No
		106	5530	18.18	19.50	No
	802.11ac(VHT80)	106	5530	18.11	19.50	No
		122	5610	18.07	19.50	No
		138	5690	18.15	19.50	No
	802.11ac(VHT160)	114	5570	**18.34**	19.50	Yes
	802.11ax(HE20)	100	5500	18.25	19.50	No
		116	5580	18.09	19.50	No

		140	5700	18.16	19.50	No
	802.11ax(HE40)	102	5510	18.10	19.50	No
		110	5550	18.14	19.50	No
		134	5670	18.18	19.50	No
	802.11ax(HE80)	106	5530	18.05	19.50	No
		122	5610	18.20	19.50	No
		138	5690	18.12	19.50	No
	802.11ax(HE160)	114	5570	18.22	19.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.09	19.50	No
		157	5785	18.06	19.50	No
		165	5825	18.19	19.50	No
	802.11n(HT20)	149	5745	18.09	19.50	No
		157	5785	18.19	19.50	No
		165	5825	18.09	19.50	No
	802.11n(HT40)	151	5755	18.15	19.50	No
		159	5795	18.11	19.50	No
	802.11ac(VHT20)	149	5745	18.12	19.50	No
		157	5785	18.09	19.50	No
		165	5825	18.05	19.50	No
	802.11ac(VHT40)	151	5755	18.25	19.50	No
		159	5795	18.20	19.50	No
	802.11ac(VHT80)	155	5775	**18.32**	19.50	Yes
	802.11ax(HE20)	149	5745	18.08	19.50	No
		157	5785	18.23	19.50	No
		165	5825	18.07	19.50	No
	802.11ax(HE40)	151	5755	18.19	19.50	No
		159	5795	18.10	19.50	No
	802.11ax(HE80)	155	5775	18.21	19.50	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.						

8.5.27 5G WIFI Full Power MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	21.18	22.50	No
		40	5200	21.15	22.50	No
		48	5240	21.16	22.50	No
	802.11n(HT20)	36	5180	21.16	22.50	No
		44	5220	21.18	22.50	No
		48	5240	21.18	22.50	No

	802.11n(HT40)	38	5190	21.08	22.50	No
		46	5230	21.13	22.50	No
	802.11ac(VHT20)	36	5180	21.21	22.50	No
		40	5200	21.11	22.50	No
		48	5240	21.11	22.50	No
	802.11ac(VHT40)	38	5190	21.14	22.50	No
		46	5230	21.12	22.50	No
	802.11ac(VHT80)	42	5210	21.14	22.50	No
	802.11ac(VHT160)	50	5250	**18.22**	22.50	Yes
	802.11ax(HE20)	36	5180	21.08	22.50	No
		40	5200	21.18	22.50	No
		48	5240	21.18	22.50	No
	802.11ax(HE40)	38	5190	21.22	22.50	No
		46	5230	21.23	22.50	No
	802.11ax(HE80)	42	5210	21.12	22.50	No
	802.11ax(HE160)	50	5250	21.20	22.50	No
5.3 (5.25~5.35)	802.11a	52	5260	21.08	22.50	No
		60	5300	21.09	22.50	No
		64	5320	21.24	22.50	No
	802.11n(HT20)	52	5260	21.22	22.50	No
		60	5300	21.10	22.50	No
		64	5320	21.24	22.50	No
	802.11n(HT40)	54	5270	21.23	22.50	No
		62	5310	21.16	22.50	No
	802.11ac(VHT20)	52	5260	21.16	22.50	No
		60	5300	21.14	22.50	No
		64	5320	21.15	22.50	No
	802.11ac(VHT40)	54	5270	21.15	22.50	No
		62	5310	21.14	22.50	No
	802.11ac(VHT80)	58	5290	**21.05**	22.50	Yes
	802.11ax(HE20)	52	5260	21.16	22.50	No
		60	5300	21.12	22.50	No
		64	5320	21.13	22.50	No
	802.11ax(HE40)	54	5270	21.18	22.50	No
		62	5310	21.13	22.50	No
	802.11ax(HE80)	58	5290	21.18	22.50	No
5.6 (5.47~5.725)	802.11a	116	5580	21.22	22.50	No
		140	5700	21.19	22.50	No
		100	5500	21.26	22.50	No
	802.11n(HT20)	116	5580	21.21	22.50	No
		140	5700	21.17	22.50	No

		102	5510	21.16	22.50	No
	802.11n(HT40)	110	5550	21.10	22.50	No
		134	5670	21.13	22.50	No
		100	5500	21.11	22.50	No
	802.11ac(VHT20)	116	5580	21.13	22.50	No
		140	5700	21.25	22.50	No
		102	5510	21.15	22.50	No
	802.11ac(VHT40)	110	5550	21.14	22.50	No
		134	5670	21.20	22.50	No
		106	5530	21.21	22.50	No
	802.11ac(VHT80)	106	5530	21.16	22.50	No
		122	5610	21.13	22.50	No
		138	5690	21.16	22.50	No
	802.11ac(VHT160)	114	5570	**21.27**	22.50	Yes
	802.11ax(HE20)	100	5500	21.21	22.50	No
		116	5580	21.18	22.50	No
		140	5700	21.12	22.50	No
	802.11ax(HE40)	102	5510	21.11	22.50	No
		110	5550	21.19	22.50	No
		134	5670	21.16	22.50	No
	802.11ax(HE80)	106	5530	21.14	22.50	No
		122	5610	21.20	22.50	No
		138	5690	21.16	22.50	No
	802.11ax(HE160)	114	5570	21.22	22.50	No
5.8 (5.725~5.850)	802.11a	149	5745	21.15	22.50	No
		157	5785	21.09	22.50	No
		165	5825	21.20	22.50	No
	802.11n(HT20)	149	5745	21.14	22.50	No
		157	5785	21.13	22.50	No
		165	5825	21.13	22.50	No
	802.11n(HT40)	151	5755	21.19	22.50	No
		159	5795	21.16	22.50	No
	802.11ac(VHT20)	149	5745	21.16	22.50	No
		157	5785	21.08	22.50	No
		165	5825	21.07	22.50	No
	802.11ac(VHT40)	151	5755	21.17	22.50	No
		159	5795	21.24	22.50	No
	802.11ac(VHT80)	155	5775	**21.35**	22.50	Yes
	802.11ax(HE20)	149	5745	21.18	22.50	No
		157	5785	21.22	22.50	No
		165	5825	21.16	22.50	No

	802.11ax(HE40)	151	5755	21.17	22.50	No
		159	5795	21.10	22.50	No
	802.11ax(HE80)	155	5775	21.21	22.50	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.						

8.5.28 5G WIFI Level 1 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.56	14.00	No
		40	5200	12.63	14.00	No
		48	5240	12.66	14.00	No
	802.11n(HT20)	36	5180	12.68	14.00	No
		44	5220	12.60	14.00	No
		48	5240	12.80	14.00	No
	802.11n(HT40)	38	5190	12.62	14.00	No
		46	5230	12.81	14.00	No
	802.11ac(VHT20)	36	5180	12.78	14.00	No
		40	5200	12.59	14.00	No
		48	5240	12.56	14.00	No
	802.11ac(VHT40)	38	5190	12.57	14.00	No
		46	5230	12.75	14.00	No
	802.11ac(VHT80)	42	5210	12.70	14.00	No
	802.11ac(VHT160)	50	5250	**12.62**	14.00	Yes
	802.11ax(HE20)	36	5180	12.59	14.00	No
		40	5200	12.80	14.00	No
		48	5240	12.55	14.00	No
	802.11ax(HE40)	38	5190	12.65	14.00	No
		46	5230	12.67	14.00	No
	802.11ax(HE80)	42	5210	12.58	14.00	No
	802.11ax(HE160)	50	5250	12.72	14.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.65	14.00	No
		60	5300	12.76	14.00	No
		64	5320	12.60	14.00	No
	802.11n(HT20)	52	5260	12.73	14.00	No
		60	5300	12.83	14.00	No
		64	5320	12.70	14.00	No
	802.11n(HT40)	54	5270	12.83	14.00	No
		62	5310	12.67	14.00	No
	802.11ac(VHT20)	52	5260	12.81	14.00	No

		60	5300	12.62	14.00	No
		64	5320	12.55	14.00	No
	802.11ac(VHT40)	54	5270	12.62	14.00	No
		62	5310	12.66	14.00	No
	802.11ac(VHT80)	58	5290	**12.69**	14.00	Yes
	802.11ax(HE20)	52	5260	12.82	14.00	No
		60	5300	12.70	14.00	No
		64	5320	12.68	14.00	No
	802.11ax(HE40)	54	5270	12.58	14.00	No
		62	5310	12.59	14.00	No
	802.11ax(HE80)	58	5290	12.62	14.00	No
5.6 (5.47~5.725)	802.11a	116	5580	12.74	14.00	No
		140	5700	12.67	14.00	No
		100	5500	12.55	14.00	No
	802.11n(HT20)	116	5580	12.61	14.00	No
		140	5700	12.68	14.00	No
		102	5510	12.60	14.00	No
	802.11n(HT40)	110	5550	12.65	14.00	No
		134	5670	12.73	14.00	No
		100	5500	12.55	14.00	No
	802.11ac(VHT20)	116	5580	12.67	14.00	No
		140	5700	12.61	14.00	No
		102	5510	12.73	14.00	No
	802.11ac(VHT40)	110	5550	12.85	14.00	No
		134	5670	12.83	14.00	No
		106	5530	12.69	14.00	No
	802.11ac(VHT80)	106	5530	12.66	14.00	No
		122	5610	12.81	14.00	No
		138	5690	12.79	14.00	No
	802.11ac(VHT160)	114	5570	**12.98**	14.00	Yes
	802.11ax(HE20)	100	5500	12.63	14.00	No
		116	5580	12.80	14.00	No
		140	5700	12.72	14.00	No
	802.11ax(HE40)	102	5510	12.59	14.00	No
		110	5550	12.83	14.00	No
		134	5670	12.60	14.00	No
	802.11ax(HE80)	106	5530	12.75	14.00	No
		122	5610	12.75	14.00	No
		138	5690	12.84	14.00	No
	802.11ax(HE160)	114	5570	12.83	14.00	No
5.8	802.11a	149	5745	12.85	14.00	No

(5.725~5.850)		157	5785	12.67	14.00	No
		165	5825	12.71	14.00	No
	802.11n(HT20)	149	5745	12.77	14.00	No
		157	5785	12.77	14.00	No
		165	5825	12.55	14.00	No
	802.11n(HT40)	151	5755	12.76	14.00	No
		159	5795	12.70	14.00	No
	802.11ac(VHT20)	149	5745	12.74	14.00	No
		157	5785	12.62	14.00	No
		165	5825	12.85	14.00	No
	802.11ac(VHT40)	151	5755	12.62	14.00	No
		159	5795	12.57	14.00	No
	802.11ac(VHT80)	155	5775	**13.05**	14.00	Yes
	802.11ax(HE20)	149	5745	12.78	14.00	No
		157	5785	12.67	14.00	No
		165	5825	12.60	14.00	No
	802.11ax(HE40)	151	5755	12.76	14.00	No
		159	5795	12.79	14.00	No
	802.11ax(HE80)	155	5775	12.74	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.						

8.5.29 5G WIFI Level 1 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.66	14.00	No
		40	5200	12.58	14.00	No
		48	5240	12.74	14.00	No
	802.11n(HT20)	36	5180	12.70	14.00	No
		44	5220	12.59	14.00	No
		48	5240	12.77	14.00	No
	802.11n(HT40)	38	5190	12.84	14.00	No
		46	5230	12.77	14.00	No
	802.11ac(VHT20)	36	5180	12.70	14.00	No
		40	5200	12.85	14.00	No
		48	5240	12.68	14.00	No
	802.11ac(VHT40)	38	5190	12.73	14.00	No
		46	5230	12.83	14.00	No
	802.11ac(VHT80)	42	5210	12.63	14.00	No
	802.11ac(VHT160)	50	5250	**12.88**	14.00	Yes

	802.11ax(HE20)	36	5180	12.71	14.00	No
		40	5200	12.73	14.00	No
		48	5240	12.75	14.00	No
	802.11ax(HE40)	38	5190	12.74	14.00	No
		46	5230	12.82	14.00	No
	802.11ax(HE80)	42	5210	12.83	14.00	No
	802.11ax(HE160)	50	5250	12.73	14.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.59	14.00	No
		60	5300	12.76	14.00	No
		64	5320	12.58	14.00	No
	802.11n(HT20)	52	5260	12.67	14.00	No
		60	5300	12.76	14.00	No
		64	5320	12.59	14.00	No
	802.11n(HT40)	54	5270	12.85	14.00	No
		62	5310	12.61	14.00	No
	802.11ac(VHT20)	52	5260	12.70	14.00	No
		60	5300	12.58	14.00	No
		64	5320	12.65	14.00	No
	802.11ac(VHT40)	54	5270	12.68	14.00	No
		62	5310	12.69	14.00	No
	802.11ac(VHT80)	58	5290	**12.95**	14.00	Yes
	802.11ax(HE20)	52	5260	12.59	14.00	No
		60	5300	12.77	14.00	No
		64	5320	12.56	14.00	No
	802.11ax(HE40)	54	5270	12.70	14.00	No
		62	5310	12.58	14.00	No
	802.11ax(HE80)	58	5290	12.67	14.00	No
5.6 (5.47~5.725)	802.11a	116	5580	12.60	14.00	No
		140	5700	12.74	14.00	No
		100	5500	12.74	14.00	No
	802.11n(HT20)	116	5580	12.73	14.00	No
		140	5700	12.80	14.00	No
		102	5510	12.81	14.00	No
	802.11n(HT40)	110	5550	12.70	14.00	No
		134	5670	12.74	14.00	No
		100	5500	12.80	14.00	No
	802.11ac(VHT20)	116	5580	12.79	14.00	No
		140	5700	12.78	14.00	No
		102	5510	12.64	14.00	No
	802.11ac(VHT40)	110	5550	12.69	14.00	No
		134	5670	12.56	14.00	No

		106	5530	12.68	14.00	No
	802.11ac(VHT80)	106	5530	12.74	14.00	No
		122	5610	12.57	14.00	No
		138	5690	12.59	14.00	No
	802.11ac(VHT160)	114	5570	**13.14**	14.00	Yes
	802.11ax(HE20)	100	5500	12.73	14.00	No
		116	5580	12.85	14.00	No
		140	5700	12.65	14.00	No
	802.11ax(HE40)	102	5510	12.55	14.00	No
		110	5550	12.85	14.00	No
		134	5670	12.55	14.00	No
	802.11ax(HE80)	106	5530	12.72	14.00	No
		122	5610	12.71	14.00	No
		138	5690	12.55	14.00	No
	802.11ax(HE160)	114	5570	12.60	14.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.83	14.00	No
		157	5785	12.72	14.00	No
		165	5825	12.79	14.00	No
	802.11n(HT20)	149	5745	12.67	14.00	No
		157	5785	12.59	14.00	No
		165	5825	12.73	14.00	No
	802.11n(HT40)	151	5755	12.55	14.00	No
		159	5795	12.73	14.00	No
	802.11ac(VHT20)	149	5745	12.77	14.00	No
		157	5785	12.63	14.00	No
		165	5825	12.60	14.00	No
	802.11ac(VHT40)	151	5755	12.81	14.00	No
		159	5795	12.79	14.00	No
	802.11ac(VHT80)	155	5775	**12.95**	14.00	Yes
	802.11ax(HE20)	149	5745	12.83	14.00	No
		157	5785	12.67	14.00	No
		165	5825	12.67	14.00	No
	802.11ax(HE40)	151	5755	12.85	14.00	No
		159	5795	12.74	14.00	No
	802.11ax(HE80)	155	5775	12.63	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.

8.5.30 5G WIFI Level 1 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.62	17.00	No
		40	5200	15.62	17.00	No
		48	5240	15.71	17.00	No
	802.11n(HT20)	36	5180	15.70	17.00	No
		44	5220	15.61	17.00	No
		48	5240	15.80	17.00	No
	802.11n(HT40)	38	5190	15.74	17.00	No
		46	5230	15.80	17.00	No
	802.11ac(VHT20)	36	5180	15.75	17.00	No
		40	5200	15.73	17.00	No
		48	5240	15.63	17.00	No
	802.11ac(VHT40)	38	5190	15.66	17.00	No
		46	5230	15.80	17.00	No
	802.11ac(VHT80)	42	5210	15.68	17.00	No
	802.11ac(VHT160)	50	5250	**15.76**	17.00	Yes
	802.11ax(HE20)	36	5180	15.66	17.00	No
		40	5200	15.78	17.00	No
		48	5240	15.66	17.00	No
	802.11ax(HE40)	38	5190	15.71	17.00	No
		46	5230	15.76	17.00	No
	802.11ax(HE80)	42	5210	15.72	17.00	No
	802.11ax(HE160)	50	5250	15.74	17.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.63	17.00	No
		60	5300	15.77	17.00	No
		64	5320	15.60	17.00	No
	802.11n(HT20)	52	5260	15.71	17.00	No
		60	5300	15.81	17.00	No
		64	5320	15.66	17.00	No
	802.11n(HT40)	54	5270	15.85	17.00	No
		62	5310	15.65	17.00	No
	802.11ac(VHT20)	52	5260	15.77	17.00	No
		60	5300	15.61	17.00	No
		64	5320	15.61	17.00	No
	802.11ac(VHT40)	54	5270	15.66	17.00	No
		62	5310	15.69	17.00	No
	802.11ac(VHT80)	58	5290	**15.83**	17.00	Yes
	802.11ax(HE20)	52	5260	15.72	17.00	No
		60	5300	15.75	17.00	No

		64	5320	15.63	17.00	No
	802.11ax(HE40)	54	5270	15.65	17.00	No
		62	5310	15.60	17.00	No
	802.11ax(HE80)	58	5290	15.66	17.00	No
5.6 (5.47~5.725)	802.11a	116	5580	15.68	17.00	No
		140	5700	15.72	17.00	No
		100	5500	15.66	17.00	No
	802.11n(HT20)	116	5580	15.68	17.00	No
		140	5700	15.75	17.00	No
		102	5510	15.72	17.00	No
	802.11n(HT40)	110	5550	15.69	17.00	No
		134	5670	15.75	17.00	No
		100	5500	15.69	17.00	No
	802.11ac(VHT20)	116	5580	15.74	17.00	No
		140	5700	15.71	17.00	No
		102	5510	15.70	17.00	No
	802.11ac(VHT40)	110	5550	15.78	17.00	No
		134	5670	15.71	17.00	No
		106	5530	15.70	17.00	No
	802.11ac(VHT80)	106	5530	15.71	17.00	No
		122	5610	15.70	17.00	No
		138	5690	15.70	17.00	No
	802.11ac(VHT160)	114	5570	**16.07**	17.00	Yes
	802.11ax(HE20)	100	5500	15.69	17.00	No
		116	5580	15.84	17.00	No
		140	5700	15.70	17.00	No
	802.11ax(HE40)	102	5510	15.58	17.00	No
		110	5550	15.85	17.00	No
		134	5670	15.59	17.00	No
	802.11ax(HE80)	106	5530	15.75	17.00	No
		122	5610	15.74	17.00	No
		138	5690	15.71	17.00	No
	802.11ax(HE160)	114	5570	17.87	17.00	No
5.8 (5.725~5.850)	802.11a	149	5745	15.85	17.00	No
		157	5785	15.71	17.00	No
		165	5825	15.76	17.00	No
	802.11n(HT20)	149	5745	15.73	17.00	No
		157	5785	15.69	17.00	No
		165	5825	15.65	17.00	No
	802.11n(HT40)	151	5755	15.67	17.00	No
		159	5795	15.73	17.00	No

	802.11ac(VHT20)	149	5745	15.77	17.00	No
		157	5785	15.64	17.00	No
		165	5825	15.74	17.00	No
	802.11ac(VHT40)	151	5755	15.73	17.00	No
		159	5795	15.69	17.00	No
	802.11ac(VHT80)	155	5775	**16.01**	17.00	Yes
	802.11ax(HE20)	149	5745	15.82	17.00	No
		157	5785	15.68	17.00	No
		165	5825	15.65	17.00	No
	802.11ax(HE40)	151	5755	15.82	17.00	No
		159	5795	15.78	17.00	No
	802.11ax(HE80)	155	5775	15.70	17.00	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.						

8.5.31 5G WIFI Level 2 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.14	11.50	No
		40	5200	10.26	11.50	No
		48	5240	10.16	11.50	No
	802.11n(HT20)	36	5180	10.08	11.50	No
		44	5220	10.19	11.50	No
		48	5240	10.28	11.50	No
	802.11n(HT40)	38	5190	10.35	11.50	No
		46	5230	10.09	11.50	No
	802.11ac(VHT20)	36	5180	10.07	11.50	No
		40	5200	10.15	11.50	No
		48	5240	10.28	11.50	No
	802.11ac(VHT40)	38	5190	10.09	11.50	No
		46	5230	10.09	11.50	No
	802.11ac(VHT80)	42	5210	10.29	11.50	No
	802.11ac(VHT160)	50	5250	**10.09**	11.50	Yes
	802.11ax(HE20)	36	5180	10.06	11.50	No
		40	5200	10.27	11.50	No
		48	5240	10.05	11.50	No
	802.11ax(HE40)	38	5190	10.10	11.50	No
		46	5230	10.22	11.50	No
	802.11ax(HE80)	42	5210	10.17	11.50	No
	802.11ax(HE160)	50	5250	10.28	11.50	No

5.3 (5.25~5.35)	802.11a	52	5260	10.17	11.50	No
		60	5300	10.27	11.50	No
		64	5320	10.09	11.50	No
	802.11n(HT20)	52	5260	10.29	11.50	No
		60	5300	10.23	11.50	No
		64	5320	10.14	11.50	No
	802.11n(HT40)	54	5270	10.07	11.50	No
		62	5310	10.24	11.50	No
	802.11ac(VHT20)	52	5260	10.19	11.50	No
		60	5300	10.19	11.50	No
		64	5320	10.25	11.50	No
	802.11ac(VHT40)	54	5270	10.33	11.50	No
		62	5310	10.35	11.50	No
	802.11ac(VHT80)	58	5290	**9.98**	11.50	Yes
	802.11ax(HE20)	52	5260	10.22	11.50	No
		60	5300	10.18	11.50	No
		64	5320	10.28	11.50	No
	802.11ax(HE40)	54	5270	10.18	11.50	No
		62	5310	10.09	11.50	No
	802.11ax(HE80)	58	5290	10.25	11.50	No
5.6 (5.47~5.725)	802.11a	116	5580	10.20	11.50	No
		140	5700	10.19	11.50	No
		100	5500	10.32	11.50	No
	802.11n(HT20)	116	5580	10.12	11.50	No
		140	5700	10.30	11.50	No
		102	5510	10.21	11.50	No
	802.11n(HT40)	110	5550	10.10	11.50	No
		134	5670	10.22	11.50	No
		100	5500	10.05	11.50	No
	802.11ac(VHT20)	116	5580	10.18	11.50	No
		140	5700	10.23	11.50	No
		102	5510	10.21	11.50	No
	802.11ac(VHT40)	110	5550	10.13	11.50	No
		134	5670	10.28	11.50	No
		106	5530	10.21	11.50	No
	802.11ac(VHT80)	106	5530	10.11	11.50	No
		122	5610	10.29	11.50	No
		138	5690	10.10	11.50	No
	802.11ac(VHT160)	114	5570	**10.24**	11.50	Yes
	802.11ax(HE20)	100	5500	10.26	11.50	No
		116	5580	10.25	11.50	No

		140	5700	10.31	11.50	No
	802.11ax(HE40)	102	5510	10.10	11.50	No
		110	5550	10.12	11.50	No
		134	5670	10.34	11.50	No
	802.11ax(HE80)	106	5530	10.27	11.50	No
		122	5610	10.32	11.50	No
		138	5690	10.06	11.50	No
	802.11ax(HE160)	114	5570	10.07	11.50	No
5.8 (5.725~5.850)	802.11a	149	5745	10.18	11.50	No
		157	5785	10.19	11.50	No
		165	5825	10.31	11.50	No
	802.11n(HT20)	149	5745	10.20	11.50	No
		157	5785	10.23	11.50	No
		165	5825	10.28	11.50	No
	802.11n(HT40)	151	5755	10.32	11.50	No
		159	5795	10.29	11.50	No
	802.11ac(VHT20)	149	5745	10.17	11.50	No
		157	5785	10.35	11.50	No
		165	5825	10.33	11.50	No
	802.11ac(VHT40)	151	5755	10.32	11.50	No
		159	5795	10.23	11.50	No
	802.11ac(VHT80)	155	5775	**10.33**	11.50	Yes
	802.11ax(HE20)	149	5745	10.15	11.50	No
		157	5785	10.10	11.50	No
		165	5825	10.13	11.50	No
	802.11ax(HE40)	151	5755	10.05	11.50	No
		159	5795	10.16	11.50	No
	802.11ax(HE80)	155	5775	10.06	11.50	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.						

8.5.32 5G WIFI Level 2 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.27	11.50	No
		40	5200	10.17	11.50	No
		48	5240	10.25	11.50	No
	802.11n(HT20)	36	5180	10.34	11.50	No
		44	5220	10.31	11.50	No
		48	5240	10.18	11.50	No

	802.11n(HT40)	38	5190	10.08	11.50	No
		46	5230	10.33	11.50	No
	802.11ac(VHT20)	36	5180	10.07	11.50	No
		40	5200	10.16	11.50	No
		48	5240	10.22	11.50	No
	802.11ac(VHT40)	38	5190	10.17	11.50	No
		46	5230	10.32	11.50	No
	802.11ac(VHT80)	42	5210	10.31	11.50	No
	802.11ac(VHT160)	50	5250	**10.34**	11.50	Yes
	802.11ax(HE20)	36	5180	10.28	11.50	No
		40	5200	10.11	11.50	No
		48	5240	10.10	11.50	No
	802.11ax(HE40)	38	5190	10.27	11.50	No
		46	5230	10.12	11.50	No
	802.11ax(HE80)	42	5210	10.05	11.50	No
	802.11ax(HE160)	50	5250	10.13	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	10.35	11.50	No
		60	5300	10.11	11.50	No
		64	5320	10.15	11.50	No
	802.11n(HT20)	52	5260	10.15	11.50	No
		60	5300	10.28	11.50	No
		64	5320	10.29	11.50	No
	802.11n(HT40)	54	5270	10.35	11.50	No
		62	5310	10.13	11.50	No
	802.11ac(VHT20)	52	5260	10.35	11.50	No
		60	5300	10.05	11.50	No
		64	5320	10.12	11.50	No
	802.11ac(VHT40)	54	5270	10.12	11.50	No
		62	5310	10.18	11.50	No
	802.11ac(VHT80)	58	5290	**10.29**	11.50	Yes
	802.11ax(HE20)	52	5260	10.14	11.50	No
		60	5300	10.19	11.50	No
		64	5320	10.33	11.50	No
	802.11ax(HE40)	54	5270	10.22	11.50	No
		62	5310	10.09	11.50	No
	802.11ax(HE80)	58	5290	10.32	11.50	No
5.6 (5.47~5.725)	802.11a	116	5580	10.20	11.50	No
		140	5700	10.06	11.50	No
		100	5500	10.32	11.50	No
	802.11n(HT20)	116	5580	10.12	11.50	No
		140	5700	10.35	11.50	No

		102	5510	10.33	11.50	No
	802.11n(HT40)	110	5550	10.08	11.50	No
		134	5670	10.06	11.50	No
		100	5500	10.19	11.50	No
	802.11ac(VHT20)	116	5580	10.13	11.50	No
		140	5700	10.08	11.50	No
		102	5510	10.22	11.50	No
	802.11ac(VHT40)	110	5550	10.23	11.50	No
		134	5670	10.31	11.50	No
		106	5530	10.12	11.50	No
	802.11ac(VHT80)	106	5530	10.16	11.50	No
		122	5610	10.20	11.50	No
		138	5690	10.07	11.50	No
	802.11ac(VHT160)	114	5570	**10.56**	11.50	Yes
	802.11ax(HE20)	100	5500	10.35	11.50	No
		116	5580	10.35	11.50	No
		140	5700	10.11	11.50	No
	802.11ax(HE40)	102	5510	10.31	11.50	No
		110	5550	10.20	11.50	No
		134	5670	10.07	11.50	No
	802.11ax(HE80)	106	5530	10.18	11.50	No
		122	5610	10.35	11.50	No
		138	5690	10.35	11.50	No
	802.11ax(HE160)	114	5570	10.08	11.50	No
5.8 (5.725~5.850)	802.11a	149	5745	10.22	11.50	No
		157	5785	10.05	11.50	No
		165	5825	10.33	11.50	No
	802.11n(HT20)	149	5745	10.14	11.50	No
		157	5785	10.09	11.50	No
		165	5825	10.35	11.50	No
	802.11n(HT40)	151	5755	10.34	11.50	No
		159	5795	10.27	11.50	No
	802.11ac(VHT20)	149	5745	10.35	11.50	No
		157	5785	10.07	11.50	No
		165	5825	10.35	11.50	No
	802.11ac(VHT40)	151	5755	10.10	11.50	No
		159	5795	10.24	11.50	No
	802.11ac(VHT80)	155	5775	**10.42**	11.50	Yes
	802.11ax(HE20)	149	5745	10.25	11.50	No
		157	5785	10.22	11.50	No
		165	5825	10.32	11.50	No

	802.11ax(HE40)	151	5755	10.19	11.50	No
		159	5795	10.16	11.50	No
	802.11ax(HE80)	155	5775	10.20	11.50	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.						

8.5.33 5G WIFI Level 2 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	13.22	14.50	No
		40	5200	13.23	14.50	No
		48	5240	13.22	14.50	No
	802.11n(HT20)	36	5180	13.22	14.50	No
		44	5220	13.26	14.50	No
		48	5240	13.24	14.50	No
	802.11n(HT40)	38	5190	13.23	14.50	No
		46	5230	13.22	14.50	No
	802.11ac(VHT20)	36	5180	13.08	14.50	No
		40	5200	13.17	14.50	No
		48	5240	13.26	14.50	No
	802.11ac(VHT40)	38	5190	13.14	14.50	No
		46	5230	13.22	14.50	No
	802.11ac(VHT80)	42	5210	13.31	14.50	No
	802.11ac(VHT160)	50	5250	**13.23**	14.50	Yes
	802.11ax(HE20)	36	5180	13.18	14.50	No
		40	5200	13.20	14.50	No
		48	5240	13.09	14.50	No
	802.11ax(HE40)	38	5190	13.20	14.50	No
		46	5230	13.18	14.50	No
	802.11ax(HE80)	42	5210	13.12	14.50	No
	802.11ax(HE160)	50	5250	13.22	14.50	No
5.3 (5.25~5.35)	802.11a	52	5260	13.27	14.50	No
		60	5300	13.20	14.50	No
		64	5320	13.13	14.50	No
	802.11n(HT20)	52	5260	13.23	14.50	No
		60	5300	13.27	14.50	No
		64	5320	13.23	14.50	No
	802.11n(HT40)	54	5270	13.22	14.50	No
		62	5310	13.20	14.50	No
	802.11ac(VHT20)	52	5260	13.28	14.50	No

		60	5300	13.13	14.50	No
		64	5320	13.20	14.50	No
	802.11ac(VHT40)	54	5270	13.24	14.50	No
		62	5310	13.28	14.50	No
	802.11ac(VHT80)	58	5290	**13.15**	14.50	Yes
	802.11ax(HE20)	52	5260	13.19	14.50	No
		60	5300	13.20	14.50	No
		64	5320	13.32	14.50	No
	802.11ax(HE40)	54	5270	13.21	14.50	No
		62	5310	13.10	14.50	No
	802.11ax(HE80)	58	5290	13.30	14.50	No
5.6 (5.47~5.725)	802.11a	116	5580	13.21	14.50	No
		140	5700	13.14	14.50	No
		100	5500	13.33	14.50	No
	802.11n(HT20)	116	5580	13.13	14.50	No
		140	5700	13.34	14.50	No
		102	5510	13.28	14.50	No
	802.11n(HT40)	110	5550	13.10	14.50	No
		134	5670	13.15	14.50	No
		100	5500	13.13	14.50	No
	802.11ac(VHT20)	116	5580	13.17	14.50	No
		140	5700	13.17	14.50	No
		102	5510	13.23	14.50	No
	802.11ac(VHT40)	110	5550	13.19	14.50	No
		134	5670	13.31	14.50	No
		106	5530	13.18	14.50	No
	802.11ac(VHT80)	106	5530	13.15	14.50	No
		122	5610	13.26	14.50	No
		138	5690	13.10	14.50	No
	802.11ac(VHT160)	114	5570	**13.41**	14.50	Yes
	802.11ax(HE20)	100	5500	13.32	14.50	No
		116	5580	13.31	14.50	No
		140	5700	13.22	14.50	No
	802.11ax(HE40)	102	5510	13.22	14.50	No
		110	5550	13.17	14.50	No
		134	5670	13.22	14.50	No
	802.11ax(HE80)	106	5530	13.24	14.50	No
		122	5610	13.35	14.50	No
		138	5690	13.22	14.50	No
	802.11ax(HE160)	114	5570	13.09	14.50	No
5.8	802.11a	149	5745	13.21	14.50	No

(5.725~5.850)		157	5785	13.13	14.50	No
		165	5825	13.33	14.50	No
	802.11n(HT20)	149	5745	13.18	14.50	No
		157	5785	13.17	14.50	No
		165	5825	13.33	14.50	No
	802.11n(HT40)	151	5755	13.34	14.50	No
		159	5795	13.29	14.50	No
	802.11ac(VHT20)	149	5745	13.27	14.50	No
		157	5785	13.22	14.50	No
		165	5825	13.35	14.50	No
	802.11ac(VHT40)	151	5755	13.22	14.50	No
		159	5795	13.25	14.50	No
	802.11ac(VHT80)	155	5775	**13.39**	14.50	Yes
	802.11ax(HE20)	149	5745	13.21	14.50	No
		157	5785	13.17	14.50	No
		165	5825	13.24	14.50	No
	802.11ax(HE40)	151	5755	13.13	14.50	No
		159	5795	13.17	14.50	No
	802.11ax(HE80)	155	5775	13.14	14.50	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.						

8.5.34 5G WIFI Level 3&4 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.25	10.50	No
		40	5200	9.30	10.50	No
		48	5240	9.31	10.50	No
	802.11n(HT20)	36	5180	9.16	10.50	No
		44	5220	9.14	10.50	No
		48	5240	9.27	10.50	No
	802.11n(HT40)	38	5190	9.21	10.50	No
		46	5230	9.29	10.50	No
	802.11ac(VHT20)	36	5180	9.32	10.50	No
		40	5200	9.12	10.50	No
		48	5240	9.21	10.50	No
	802.11ac(VHT40)	38	5190	9.31	10.50	No
		46	5230	9.18	10.50	No
	802.11ac(VHT80)	42	5210	9.27	10.50	No
	802.11ac(VHT160)	50	5250	**9.01**	10.50	Yes

	802.11ax(HE20)	36	5180	9.13	10.50	No
		40	5200	9.08	10.50	No
		48	5240	9.27	10.50	No
	802.11ax(HE40)	38	5190	9.17	10.50	No
		46	5230	9.25	10.50	No
	802.11ax(HE80)	42	5210	9.16	10.50	No
	802.11ax(HE160)	50	5250	9.17	10.50	No
5.3 (5.25~5.35)	802.11a	52	5260	9.27	10.50	No
		60	5300	9.10	10.50	No
		64	5320	9.34	10.50	No
	802.11n(HT20)	52	5260	9.27	10.50	No
		60	5300	9.33	10.50	No
		64	5320	9.17	10.50	No
	802.11n(HT40)	54	5270	9.11	10.50	No
		62	5310	9.06	10.50	No
	802.11ac(VHT20)	52	5260	9.10	10.50	No
		60	5300	9.30	10.50	No
		64	5320	9.09	10.50	No
	802.11ac(VHT40)	54	5270	9.12	10.50	No
		62	5310	9.20	10.50	No
	802.11ac(VHT80)	58	5290	**8.73**	10.50	Yes
	802.11ax(HE20)	52	5260	9.08	10.50	No
		60	5300	9.32	10.50	No
		64	5320	9.26	10.50	No
	802.11ax(HE40)	54	5270	9.23	10.50	No
		62	5310	9.12	10.50	No
	802.11ax(HE80)	58	5290	9.05	10.50	No
5.6 (5.47~5.725)	802.11a	116	5580	9.12	10.50	No
		140	5700	9.17	10.50	No
		100	5500	9.23	10.50	No
	802.11n(HT20)	116	5580	9.34	10.50	No
		140	5700	9.10	10.50	No
		102	5510	9.30	10.50	No
	802.11n(HT40)	110	5550	9.26	10.50	No
		134	5670	9.32	10.50	No
		100	5500	9.05	10.50	No
	802.11ac(VHT20)	116	5580	9.25	10.50	No
		140	5700	9.23	10.50	No
		102	5510	9.25	10.50	No
	802.11ac(VHT40)	110	5550	9.35	10.50	No
		134	5670	9.34	10.50	No

		106	5530	9.17	10.50	No
	802.11ac(VHT80)	106	5530	9.26	10.50	No
		122	5610	9.22	10.50	No
		138	5690	9.23	10.50	No
	802.11ac(VHT160)	114	5570	**9.23**	10.50	Yes
	802.11ax(HE20)	100	5500	9.11	10.50	No
		116	5580	9.14	10.50	No
		140	5700	9.20	10.50	No
	802.11ax(HE40)	102	5510	9.14	10.50	No
		110	5550	9.05	10.50	No
		134	5670	9.11	10.50	No
	802.11ax(HE80)	106	5530	9.21	10.50	No
		122	5610	9.25	10.50	No
		138	5690	9.14	10.50	No
	802.11ax(HE160)	114	5570	9.10	10.50	No
5.8 (5.725~5.850)	802.11a	149	5745	9.34	10.50	No
		157	5785	9.18	10.50	No
		165	5825	9.26	10.50	No
	802.11n(HT20)	149	5745	9.16	10.50	No
		157	5785	9.25	10.50	No
		165	5825	9.26	10.50	No
	802.11n(HT40)	151	5755	9.26	10.50	No
		159	5795	9.20	10.50	No
	802.11ac(VHT20)	149	5745	9.08	10.50	No
		157	5785	9.17	10.50	No
		165	5825	9.27	10.50	No
	802.11ac(VHT40)	151	5755	9.35	10.50	No
		159	5795	9.16	10.50	No
	802.11ac(VHT80)	155	5775	**9.32**	10.50	Yes
	802.11ax(HE20)	149	5745	9.11	10.50	No
		157	5785	9.22	10.50	No
		165	5825	9.08	10.50	No
	802.11ax(HE40)	151	5755	9.18	10.50	No
		159	5795	9.28	10.50	No
	802.11ax(HE80)	155	5775	9.20	10.50	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.						

8.5.35 5G WIFI Level 3&4 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	9.20	10.50	No
		40	5200	9.33	10.50	No
		48	5240	9.10	10.50	No
	802.11n(HT20)	36	5180	9.25	10.50	No
		44	5220	9.21	10.50	No
		48	5240	9.17	10.50	No
	802.11n(HT40)	38	5190	9.27	10.50	No
		46	5230	9.05	10.50	No
	802.11ac(VHT20)	36	5180	9.08	10.50	No
		40	5200	9.08	10.50	No
		48	5240	9.14	10.50	No
	802.11ac(VHT40)	38	5190	9.27	10.50	No
		46	5230	9.05	10.50	No
	802.11ac(VHT80)	42	5210	9.20	10.50	No
	802.11ac(VHT160)	50	5250	**9.32**	10.50	Yes
	802.11ax(HE20)	36	5180	9.30	10.50	No
		40	5200	9.09	10.50	No
		48	5240	9.33	10.50	No
	802.11ax(HE40)	38	5190	9.25	10.50	No
		46	5230	9.22	10.50	No
	802.11ax(HE80)	42	5210	9.31	10.50	No
	802.11ax(HE160)	50	5250	9.09	10.50	No
5.3 (5.25~5.35)	802.11a	52	5260	9.14	10.50	No
		60	5300	9.21	10.50	No
		64	5320	9.07	10.50	No
	802.11n(HT20)	52	5260	9.17	10.50	No
		60	5300	9.34	10.50	No
		64	5320	9.24	10.50	No
	802.11n(HT40)	54	5270	9.19	10.50	No
		62	5310	9.06	10.50	No
	802.11ac(VHT20)	52	5260	9.15	10.50	No
		60	5300	9.10	10.50	No
		64	5320	9.30	10.50	No
	802.11ac(VHT40)	54	5270	9.26	10.50	No
		62	5310	9.33	10.50	No
	802.11ac(VHT80)	58	5290	**9.20**	10.50	Yes
	802.11ax(HE20)	52	5260	9.14	10.50	No
		60	5300	9.25	10.50	No

		64	5320	9.22	10.50	No
	802.11ax(HE40)	54	5270	9.08	10.50	No
		62	5310	9.26	10.50	No
	802.11ax(HE80)	58	5290	9.08	10.50	No
5.6 (5.47~5.725)	802.11a	116	5580	9.05	10.50	No
		140	5700	9.08	10.50	No
		100	5500	9.13	10.50	No
	802.11n(HT20)	116	5580	9.08	10.50	No
		140	5700	9.27	10.50	No
		102	5510	9.20	10.50	No
	802.11n(HT40)	110	5550	9.26	10.50	No
		134	5670	9.14	10.50	No
		100	5500	9.08	10.50	No
	802.11ac(VHT20)	116	5580	9.05	10.50	No
		140	5700	9.23	10.50	No
		102	5510	9.33	10.50	No
	802.11ac(VHT40)	110	5550	9.11	10.50	No
		134	5670	9.21	10.50	No
		106	5530	9.16	10.50	No
	802.11ac(VHT80)	106	5530	9.17	10.50	No
		122	5610	9.28	10.50	No
		138	5690	9.23	10.50	No
	802.11ac(VHT160)	114	5570	**9.53**	10.50	Yes
	802.11ax(HE20)	100	5500	9.19	10.50	No
		116	5580	9.20	10.50	No
		140	5700	9.17	10.50	No
	802.11ax(HE40)	102	5510	9.33	10.50	No
		110	5550	9.35	10.50	No
		134	5670	9.09	10.50	No
	802.11ax(HE80)	106	5530	9.30	10.50	No
		122	5610	9.21	10.50	No
		138	5690	9.16	10.50	No
	802.11ax(HE160)	114	5570	9.05	10.50	No
5.8 (5.725~5.850)	802.11a	149	5745	9.30	10.50	No
		157	5785	9.11	10.50	No
		165	5825	9.28	10.50	No
	802.11n(HT20)	149	5745	9.21	10.50	No
		157	5785	9.07	10.50	No
		165	5825	9.15	10.50	No
	802.11n(HT40)	151	5755	9.14	10.50	No
		159	5795	9.32	10.50	No

	802.11ac(VHT20)	149	5745	9.18	10.50	No
		157	5785	9.29	10.50	No
		165	5825	9.25	10.50	No
	802.11ac(VHT40)	151	5755	9.05	10.50	No
		159	5795	9.06	10.50	No
	802.11ac(VHT80)	155	5775	**9.40**	10.50	Yes
	802.11ax(HE20)	149	5745	9.10	10.50	No
		157	5785	9.05	10.50	No
		165	5825	9.11	10.50	No
	802.11ax(HE40)	151	5755	9.16	10.50	No
		159	5795	9.15	10.50	No
	802.11ax(HE80)	155	5775	9.11	10.50	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.						

8.5.36 5G WIFI Level 3&4 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.24	13.50	No
		40	5200	12.33	13.50	No
		48	5240	12.22	13.50	No
	802.11n(HT20)	36	5180	12.22	13.50	No
		44	5220	12.19	13.50	No
		48	5240	12.23	13.50	No
	802.11n(HT40)	38	5190	12.25	13.50	No
		46	5230	12.18	13.50	No
	802.11ac(VHT20)	36	5180	12.21	13.50	No
		40	5200	12.11	13.50	No
		48	5240	12.19	13.50	No
	802.11ac(VHT40)	38	5190	12.30	13.50	No
		46	5230	12.13	13.50	No
	802.11ac(VHT80)	42	5210	12.25	13.50	No
	802.11ac(VHT160)	50	5250	**12.18**	13.50	Yes
	802.11ax(HE20)	36	5180	12.23	13.50	No
		40	5200	12.10	13.50	No
		48	5240	12.31	13.50	No
	802.11ax(HE40)	38	5190	12.22	13.50	No
		46	5230	12.25	13.50	No
	802.11ax(HE80)	42	5210	12.25	13.50	No
	802.11ax(HE160)	50	5250	12.14	13.50	No

5.3 (5.25~5.35)	802.11a	52	5260	12.22	13.50	No
		60	5300	12.17	13.50	No
		64	5320	12.22	13.50	No
	802.11n(HT20)	52	5260	12.23	13.50	No
		60	5300	12.35	13.50	No
		64	5320	12.22	13.50	No
	802.11n(HT40)	54	5270	12.16	13.50	No
		62	5310	12.07	13.50	No
	802.11ac(VHT20)	52	5260	12.14	13.50	No
		60	5300	12.21	13.50	No
		64	5320	12.21	13.50	No
	802.11ac(VHT40)	54	5270	12.20	13.50	No
		62	5310	12.28	13.50	No
	802.11ac(VHT80)	58	5290	**11.98**	13.50	Yes
	802.11ax(HE20)	52	5260	12.12	13.50	No
		60	5300	12.30	13.50	No
		64	5320	12.25	13.50	No
	802.11ax(HE40)	54	5270	12.17	13.50	No
		62	5310	12.20	13.50	No
	802.11ax(HE80)	58	5290	12.08	13.50	No
5.6 (5.47~5.725)	802.11a	116	5580	12.10	13.50	No
		140	5700	12.14	13.50	No
		100	5500	12.19	13.50	No
	802.11n(HT20)	116	5580	12.22	13.50	No
		140	5700	12.20	13.50	No
		102	5510	12.26	13.50	No
	802.11n(HT40)	110	5550	12.27	13.50	No
		134	5670	12.24	13.50	No
		100	5500	12.08	13.50	No
	802.11ac(VHT20)	116	5580	12.16	13.50	No
		140	5700	12.24	13.50	No
		102	5510	12.30	13.50	No
	802.11ac(VHT40)	110	5550	12.24	13.50	No
		134	5670	12.29	13.50	No
		106	5530	12.18	13.50	No
	802.11ac(VHT80)	106	5530	12.23	13.50	No
		122	5610	12.26	13.50	No
		138	5690	12.24	13.50	No
	802.11ac(VHT160)	114	5570	**12.39**	13.50	Yes
	802.11ax(HE20)	100	5500	12.16	13.50	No
		116	5580	12.18	13.50	No

		140	5700	12.20	13.50	No
	802.11ax(HE40)	102	5510	12.25	13.50	No
		110	5550	12.21	13.50	No
		134	5670	12.11	13.50	No
	802.11ax(HE80)	106	5530	12.27	13.50	No
		122	5610	12.24	13.50	No
		138	5690	12.16	13.50	No
	802.11ax(HE160)	114	5570	12.09	13.50	No
5.8 (5.725~5.850)	802.11a	149	5745	12.33	13.50	No
		157	5785	12.16	13.50	No
		165	5825	12.28	13.50	No
	802.11n(HT20)	149	5745	12.20	13.50	No
		157	5785	12.17	13.50	No
		165	5825	12.22	13.50	No
	802.11n(HT40)	151	5755	12.21	13.50	No
		159	5795	12.27	13.50	No
	802.11ac(VHT20)	149	5745	12.14	13.50	No
		157	5785	12.24	13.50	No
		165	5825	12.27	13.50	No
	802.11ac(VHT40)	151	5755	12.21	13.50	No
		159	5795	12.12	13.50	No
	802.11ac(VHT80)	155	5775	**12.37**	13.50	Yes
	802.11ax(HE20)	149	5745	12.12	13.50	No
		157	5785	12.15	13.50	No
		165	5825	12.11	13.50	No
	802.11ax(HE40)	151	5755	12.18	13.50	No
		159	5795	12.23	13.50	No
	802.11ax(HE80)	155	5775	12.17	13.50	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.						

8.5.37 5G WIFI Level 5 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.15	19.50	No
		40	5200	18.08	19.50	No
		48	5240	18.05	19.50	No
	802.11n(HT20)	36	5180	18.10	19.50	No
		44	5220	18.20	19.50	No
		48	5240	18.24	19.50	No

	802.11n(HT40)	38	5190	18.08	19.50	No
		46	5230	18.07	19.50	No
	802.11ac(VHT20)	36	5180	18.21	19.50	No
		40	5200	18.12	19.50	No
		48	5240	18.13	19.50	No
	802.11ac(VHT40)	38	5190	18.20	19.50	No
		46	5230	18.08	19.50	No
	802.11ac(VHT80)	42	5210	18.19	19.50	No
	802.11ac(VHT160)	50	5250	**18.17**	19.50	Yes
	802.11ax(HE20)	36	5180	18.08	19.50	No
		40	5200	18.20	19.50	No
		48	5240	18.09	19.50	No
	802.11ax(HE40)	38	5190	18.21	19.50	No
		46	5230	18.19	19.50	No
	802.11ax(HE80)	42	5210	18.13	19.50	No
	802.11ax(HE160)	50	5250	18.13	19.50	No
5.3 (5.25~5.35)	802.11a	52	5260	18.06	19.50	No
		60	5300	18.10	19.50	No
		64	5320	18.24	19.50	No
	802.11n(HT20)	52	5260	18.23	19.50	No
		60	5300	18.08	19.50	No
		64	5320	18.23	19.50	No
	802.11n(HT40)	54	5270	18.21	19.50	No
		62	5310	18.24	19.50	No
	802.11ac(VHT20)	52	5260	18.10	19.50	No
		60	5300	18.11	19.50	No
		64	5320	18.12	19.50	No
	802.11ac(VHT40)	54	5270	18.14	19.50	No
		62	5310	18.06	19.50	No
	802.11ac(VHT80)	58	5290	**17.90**	19.50	Yes
	802.11ax(HE20)	52	5260	18.09	19.50	No
		60	5300	18.16	19.50	No
		64	5320	18.11	19.50	No
	802.11ax(HE40)	54	5270	18.24	19.50	No
		62	5310	18.18	19.50	No
	802.11ax(HE80)	58	5290	18.16	19.50	No
5.6 (5.47~5.725)	802.11a	116	5580	18.23	19.50	No
		140	5700	18.20	19.50	No
		100	5500	18.24	19.50	No
	802.11n(HT20)	116	5580	18.24	19.50	No
		140	5700	18.20	19.50	No

		102	5510	18.13	19.50	No
	802.11n(HT40)	110	5550	18.11	19.50	No
		134	5670	18.12	19.50	No
		100	5500	18.09	19.50	No
	802.11ac(VHT20)	116	5580	18.08	19.50	No
		140	5700	18.25	19.50	No
		102	5510	18.15	19.50	No
	802.11ac(VHT40)	110	5550	18.05	19.50	No
		134	5670	18.22	19.50	No
		106	5530	18.22	19.50	No
	802.11ac(VHT80)	106	5530	18.19	19.50	No
		122	5610	18.16	19.50	No
		138	5690	18.15	19.50	No
	802.11ac(VHT160)	114	5570	**18.18**	19.50	Yes
	802.11ax(HE20)	100	5500	18.15	19.50	No
		116	5580	18.25	19.50	No
		140	5700	18.06	19.50	No
	802.11ax(HE40)	102	5510	18.10	19.50	No
		110	5550	18.21	19.50	No
		134	5670	18.11	19.50	No
	802.11ax(HE80)	106	5530	18.21	19.50	No
		122	5610	18.17	19.50	No
		138	5690	18.17	19.50	No
	802.11ax(HE160)	114	5570	18.19	19.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.19	19.50	No
		157	5785	18.10	19.50	No
		165	5825	18.18	19.50	No
	802.11n(HT20)	149	5745	18.17	19.50	No
		157	5785	18.05	19.50	No
		165	5825	18.14	19.50	No
	802.11n(HT40)	151	5755	18.21	19.50	No
		159	5795	18.19	19.50	No
	802.11ac(VHT20)	149	5745	18.17	19.50	No
		157	5785	18.05	19.50	No
		165	5825	18.07	19.50	No
	802.11ac(VHT40)	151	5755	18.06	19.50	No
		159	5795	18.25	19.50	No
	802.11ac(VHT80)	155	5775	**18.35**	19.50	Yes
	802.11ax(HE20)	149	5745	18.25	19.50	No
		157	5785	18.19	19.50	No
		165	5825	18.22	19.50	No

	802.11ax(HE40)	151	5755	18.12	19.50	No
		159	5795	18.07	19.50	No
	802.11ax(HE80)	155	5775	18.18	19.50	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.						

8.5.38 5G WIFI Level 5 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.18	19.50	No
		40	5200	18.19	19.50	No
		48	5240	18.25	19.50	No
	802.11n(HT20)	36	5180	18.20	19.50	No
		44	5220	18.13	19.50	No
		48	5240	18.09	19.50	No
	802.11n(HT40)	38	5190	18.06	19.50	No
		46	5230	18.16	19.50	No
	802.11ac(VHT20)	36	5180	18.18	19.50	No
		40	5200	18.07	19.50	No
		48	5240	18.06	19.50	No
	802.11ac(VHT40)	38	5190	18.06	19.50	No
		46	5230	18.14	19.50	No
	802.11ac(VHT80)	42	5210	18.06	19.50	No
	802.11ac(VHT160)	50	5250	**18.15**	19.50	Yes
	802.11ax(HE20)	36	5180	18.05	19.50	No
		40	5200	18.14	19.50	No
		48	5240	18.25	19.50	No
	802.11ax(HE40)	38	5190	18.20	19.50	No
		46	5230	18.24	19.50	No
	802.11ax(HE80)	42	5210	18.08	19.50	No
	802.11ax(HE160)	50	5250	18.25	19.50	No
5.3 (5.25~5.35)	802.11a	52	5260	18.07	19.50	No
		60	5300	18.05	19.50	No
		64	5320	18.21	19.50	No
	802.11n(HT20)	52	5260	18.18	19.50	No
		60	5300	18.10	19.50	No
		64	5320	18.23	19.50	No
	802.11n(HT40)	54	5270	18.23	19.50	No
		62	5310	18.06	19.50	No
	802.11ac(VHT20)	52	5260	18.20	19.50	No

		60	5300	18.15	19.50	No
		64	5320	18.15	19.50	No
	802.11ac(VHT40)	54	5270	18.14	19.50	No
		62	5310	18.20	19.50	No
	802.11ac(VHT80)	58	5290	**18.18**	19.50	Yes
	802.11ax(HE20)	52	5260	18.21	19.50	No
		60	5300	18.06	19.50	No
		64	5320	18.12	19.50	No
	802.11ax(HE40)	54	5270	18.10	19.50	No
		62	5310	18.05	19.50	No
	802.11ax(HE80)	58	5290	18.18	19.50	No
5.6 (5.47~5.725)	802.11a	116	5580	18.18	19.50	No
		140	5700	18.15	19.50	No
		100	5500	18.25	19.50	No
	802.11n(HT20)	116	5580	18.15	19.50	No
		140	5700	18.11	19.50	No
		102	5510	18.16	19.50	No
	802.11n(HT40)	110	5550	18.06	19.50	No
		134	5670	18.11	19.50	No
		100	5500	18.10	19.50	No
	802.11ac(VHT20)	116	5580	18.15	19.50	No
		140	5700	18.23	19.50	No
		102	5510	18.13	19.50	No
	802.11ac(VHT40)	110	5550	18.21	19.50	No
		134	5670	18.16	19.50	No
		106	5530	18.18	19.50	No
	802.11ac(VHT80)	106	5530	18.11	19.50	No
		122	5610	18.07	19.50	No
		138	5690	18.15	19.50	No
	802.11ac(VHT160)	114	5570	**18.34**	19.50	Yes
	802.11ax(HE20)	100	5500	18.25	19.50	No
		116	5580	18.09	19.50	No
		140	5700	18.16	19.50	No
	802.11ax(HE40)	102	5510	18.10	19.50	No
		110	5550	18.14	19.50	No
		134	5670	18.18	19.50	No
	802.11ax(HE80)	106	5530	18.05	19.50	No
		122	5610	18.20	19.50	No
		138	5690	18.12	19.50	No
	802.11ax(HE160)	114	5570	18.22	19.50	No
5.8	802.11a	149	5745	18.09	19.50	No

(5.725~5.850)		157	5785	18.06	19.50	No
		165	5825	18.19	19.50	No
	802.11n(HT20)	149	5745	18.09	19.50	No
		157	5785	18.19	19.50	No
		165	5825	18.09	19.50	No
	802.11n(HT40)	151	5755	18.15	19.50	No
		159	5795	18.11	19.50	No
	802.11ac(VHT20)	149	5745	18.12	19.50	No
		157	5785	18.09	19.50	No
		165	5825	18.05	19.50	No
	802.11ac(VHT40)	151	5755	18.25	19.50	No
		159	5795	18.20	19.50	No
	802.11ac(VHT80)	155	5775	**18.32**	19.50	Yes
	802.11ax(HE20)	149	5745	18.08	19.50	No
		157	5785	18.23	19.50	No
		165	5825	18.07	19.50	No
	802.11ax(HE40)	151	5755	18.19	19.50	No
		159	5795	18.10	19.50	No
	802.11ax(HE80)	155	5775	18.21	19.50	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.						

8.5.39 5G WIFI Level 5 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	21.18	22.50	No
		40	5200	21.15	22.50	No
		48	5240	21.16	22.50	No
	802.11n(HT20)	36	5180	21.16	22.50	No
		44	5220	21.18	22.50	No
		48	5240	21.18	22.50	No
	802.11n(HT40)	38	5190	21.08	22.50	No
		46	5230	21.13	22.50	No
	802.11ac(VHT20)	36	5180	21.21	22.50	No
		40	5200	21.11	22.50	No
		48	5240	21.11	22.50	No
	802.11ac(VHT40)	38	5190	21.14	22.50	No
		46	5230	21.12	22.50	No
	802.11ac(VHT80)	42	5210	21.14	22.50	No
	802.11ac(VHT160)	50	5250	**21.17**	22.50	Yes

	802.11ax(HE20)	36	5180	21.08	22.50	No
		40	5200	21.18	22.50	No
		48	5240	21.18	22.50	No
	802.11ax(HE40)	38	5190	21.22	22.50	No
		46	5230	21.23	22.50	No
	802.11ax(HE80)	42	5210	21.12	22.50	No
	802.11ax(HE160)	50	5250	21.20	22.50	No
5.3 (5.25~5.35)	802.11a	52	5260	21.08	22.50	No
		60	5300	21.09	22.50	No
		64	5320	21.24	22.50	No
	802.11n(HT20)	52	5260	21.22	22.50	No
		60	5300	21.10	22.50	No
		64	5320	21.24	22.50	No
	802.11n(HT40)	54	5270	21.23	22.50	No
		62	5310	21.16	22.50	No
	802.11ac(VHT20)	52	5260	21.16	22.50	No
		60	5300	21.14	22.50	No
		64	5320	21.15	22.50	No
	802.11ac(VHT40)	54	5270	21.15	22.50	No
		62	5310	21.14	22.50	No
	802.11ac(VHT80)	58	5290	**21.05**	22.50	Yes
	802.11ax(HE20)	52	5260	21.16	22.50	No
		60	5300	21.12	22.50	No
		64	5320	21.13	22.50	No
	802.11ax(HE40)	54	5270	21.18	22.50	No
		62	5310	21.13	22.50	No
	802.11ax(HE80)	58	5290	21.18	22.50	No
5.6 (5.47~5.725)	802.11a	116	5580	21.22	22.50	No
		140	5700	21.19	22.50	No
		100	5500	21.26	22.50	No
	802.11n(HT20)	116	5580	21.21	22.50	No
		140	5700	21.17	22.50	No
		102	5510	21.16	22.50	No
	802.11n(HT40)	110	5550	21.10	22.50	No
		134	5670	21.13	22.50	No
		100	5500	21.11	22.50	No
	802.11ac(VHT20)	116	5580	21.13	22.50	No
		140	5700	21.25	22.50	No
		102	5510	21.15	22.50	No
	802.11ac(VHT40)	110	5550	21.14	22.50	No
		134	5670	21.20	22.50	No

		106	5530	21.21	22.50	No
	802.11ac(VHT80)	106	5530	21.16	22.50	No
		122	5610	21.13	22.50	No
		138	5690	21.16	22.50	No
	802.11ac(VHT160)	114	5570	**21.27**	22.50	Yes
	802.11ax(HE20)	100	5500	21.21	22.50	No
		116	5580	21.18	22.50	No
		140	5700	21.12	22.50	No
	802.11ax(HE40)	102	5510	21.11	22.50	No
		110	5550	21.19	22.50	No
		134	5670	21.16	22.50	No
	802.11ax(HE80)	106	5530	21.14	22.50	No
		122	5610	21.20	22.50	No
		138	5690	21.16	22.50	No
	802.11ax(HE160)	114	5570	21.22	22.50	No
5.8 (5.725~5.850)	802.11a	149	5745	21.15	22.50	No
		157	5785	21.09	22.50	No
		165	5825	21.20	22.50	No
	802.11n(HT20)	149	5745	21.14	22.50	No
		157	5785	21.13	22.50	No
		165	5825	21.13	22.50	No
	802.11n(HT40)	151	5755	21.19	22.50	No
		159	5795	21.16	22.50	No
	802.11ac(VHT20)	149	5745	21.16	22.50	No
		157	5785	21.08	22.50	No
		165	5825	21.07	22.50	No
	802.11ac(VHT40)	151	5755	21.17	22.50	No
		159	5795	21.24	22.50	No
	802.11ac(VHT80)	155	5775	**21.35**	22.50	Yes
	802.11ax(HE20)	149	5745	21.18	22.50	No
		157	5785	21.22	22.50	No
		165	5825	21.16	22.50	No
	802.11ax(HE40)	151	5755	21.17	22.50	No
		159	5795	21.10	22.50	No
	802.11ax(HE80)	155	5775	21.21	22.50	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.						

8.5.40 5G WIFI Level 6 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.12	18.50	No
		40	5200	17.19	18.50	No
		48	5240	17.17	18.50	No
	802.11n(HT20)	36	5180	17.35	18.50	No
		44	5220	17.26	18.50	No
		48	5240	17.28	18.50	No
	802.11n(HT40)	38	5190	17.09	18.50	No
		46	5230	17.08	18.50	No
	802.11ac(VHT20)	36	5180	17.29	18.50	No
		40	5200	17.28	18.50	No
		48	5240	17.26	18.50	No
	802.11ac(VHT40)	38	5190	17.23	18.50	No
		46	5230	17.09	18.50	No
	802.11ac(VHT80)	42	5210	17.18	18.50	No
	802.11ac(VHT160)	50	5250	**17.17**	18.50	Yes
	802.11ax(HE20)	36	5180	17.27	18.50	No
		40	5200	17.28	18.50	No
		48	5240	17.16	18.50	No
	802.11ax(HE40)	38	5190	17.22	18.50	No
		46	5230	17.28	18.50	No
	802.11ax(HE80)	42	5210	17.24	18.50	No
	802.11ax(HE160)	50	5250	17.27	18.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.25	18.50	No
		60	5300	17.09	18.50	No
		64	5320	17.34	18.50	No
	802.11n(HT20)	52	5260	17.25	18.50	No
		60	5300	17.10	18.50	No
		64	5320	17.32	18.50	No
	802.11n(HT40)	54	5270	17.06	18.50	No
		62	5310	17.22	18.50	No
	802.11ac(VHT20)	52	5260	17.26	18.50	No
		60	5300	17.32	18.50	No
		64	5320	17.08	18.50	No
	802.11ac(VHT40)	54	5270	17.24	18.50	No
		62	5310	17.05	18.50	No
	802.11ac(VHT80)	58	5290	**17.01**	18.50	Yes
	802.11ax(HE20)	52	5260	17.07	18.50	No
		60	5300	17.17	18.50	No

		64	5320	17.16	18.50	No
	802.11ax(HE40)	54	5270	17.34	18.50	No
		62	5310	17.11	18.50	No
	802.11ax(HE80)	58	5290	17.26	18.50	No
5.6 (5.47~5.725)	802.11a	116	5580	17.13	18.50	No
		140	5700	17.25	18.50	No
		100	5500	17.30	18.50	No
	802.11n(HT20)	116	5580	17.32	18.50	No
		140	5700	17.22	18.50	No
		102	5510	17.23	18.50	No
	802.11n(HT40)	110	5550	17.20	18.50	No
		134	5670	17.13	18.50	No
		100	5500	17.26	18.50	No
	802.11ac(VHT20)	116	5580	17.28	18.50	No
		140	5700	17.06	18.50	No
		102	5510	17.13	18.50	No
	802.11ac(VHT40)	110	5550	17.27	18.50	No
		134	5670	17.20	18.50	No
		106	5530	17.28	18.50	No
	802.11ac(VHT80)	106	5530	17.32	18.50	No
		122	5610	17.32	18.50	No
		138	5690	17.29	18.50	No
	802.11ac(VHT160)	114	5570	**17.32**	18.50	Yes
	802.11ax(HE20)	100	5500	17.10	18.50	No
		116	5580	17.19	18.50	No
		140	5700	17.24	18.50	No
	802.11ax(HE40)	102	5510	17.32	18.50	No
		110	5550	17.10	18.50	No
		134	5670	17.05	18.50	No
	802.11ax(HE80)	106	5530	17.21	18.50	No
		122	5610	17.19	18.50	No
		138	5690	17.22	18.50	No
	802.11ax(HE160)	114	5570	17.14	18.50	No
5.8 (5.725~5.850)	802.11a	149	5745	17.14	18.50	No
		157	5785	17.08	18.50	No
		165	5825	17.30	18.50	No
	802.11n(HT20)	149	5745	17.13	18.50	No
		157	5785	17.15	18.50	No
		165	5825	17.25	18.50	No
	802.11n(HT40)	151	5755	17.17	18.50	No
		159	5795	17.09	18.50	No

	802.11ac(VHT20)	149	5745	17.28	18.50	No
		157	5785	17.05	18.50	No
		165	5825	17.33	18.50	No
	802.11ac(VHT40)	151	5755	17.18	18.50	No
		159	5795	17.33	18.50	No
	802.11ac(VHT80)	155	5775	**17.23**	18.50	Yes
	802.11ax(HE20)	149	5745	17.19	18.50	No
		157	5785	17.34	18.50	No
		165	5825	17.08	18.50	No
	802.11ax(HE40)	151	5755	17.35	18.50	No
		159	5795	17.35	18.50	No
	802.11ax(HE80)	155	5775	17.29	18.50	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.						

8.5.41 5G WIFI Level 6 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.16	18.50	No
		40	5200	17.19	18.50	No
		48	5240	17.08	18.50	No
	802.11n(HT20)	36	5180	17.29	18.50	No
		44	5220	17.18	18.50	No
		48	5240	17.17	18.50	No
	802.11n(HT40)	38	5190	17.27	18.50	No
		46	5230	17.18	18.50	No
	802.11ac(VHT20)	36	5180	17.31	18.50	No
		40	5200	17.29	18.50	No
		48	5240	17.15	18.50	No
	802.11ac(VHT40)	38	5190	17.18	18.50	No
		46	5230	17.32	18.50	No
	802.11ac(VHT80)	42	5210	17.07	18.50	No
	802.11ac(VHT160)	50	5250	**17.28**	18.50	Yes
	802.11ax(HE20)	36	5180	17.12	18.50	No
		40	5200	17.19	18.50	No
		48	5240	17.32	18.50	No
	802.11ax(HE40)	38	5190	17.12	18.50	No
		46	5230	17.17	18.50	No
	802.11ax(HE80)	42	5210	17.20	18.50	No
	802.11ax(HE160)	50	5250	17.24	18.50	No

5.3 (5.25~5.35)	802.11a	52	5260	17.23	18.50	No
		60	5300	17.11	18.50	No
		64	5320	17.20	18.50	No
	802.11n(HT20)	52	5260	17.12	18.50	No
		60	5300	17.10	18.50	No
		64	5320	17.24	18.50	No
	802.11n(HT40)	54	5270	17.22	18.50	No
		62	5310	17.35	18.50	No
	802.11ac(VHT20)	52	5260	17.22	18.50	No
		60	5300	17.25	18.50	No
		64	5320	17.26	18.50	No
	802.11ac(VHT40)	54	5270	17.35	18.50	No
		62	5310	17.27	18.50	No
	802.11ac(VHT80)	58	5290	**17.22**	18.50	Yes
	802.11ax(HE20)	52	5260	17.27	18.50	No
		60	5300	17.32	18.50	No
		64	5320	17.29	18.50	No
	802.11ax(HE40)	54	5270	17.25	18.50	No
		62	5310	17.17	18.50	No
	802.11ax(HE80)	58	5290	17.13	18.50	No
5.6 (5.47~5.725)	802.11a	116	5580	17.19	18.50	No
		140	5700	17.33	18.50	No
		100	5500	17.28	18.50	No
	802.11n(HT20)	116	5580	17.35	18.50	No
		140	5700	17.25	18.50	No
		102	5510	17.16	18.50	No
	802.11n(HT40)	110	5550	17.33	18.50	No
		134	5670	17.15	18.50	No
		100	5500	17.19	18.50	No
	802.11ac(VHT20)	116	5580	17.22	18.50	No
		140	5700	17.27	18.50	No
		102	5510	17.35	18.50	No
	802.11ac(VHT40)	110	5550	17.22	18.50	No
		134	5670	17.35	18.50	No
		106	5530	17.24	18.50	No
	802.11ac(VHT80)	106	5530	17.35	18.50	No
		122	5610	17.33	18.50	No
		138	5690	17.14	18.50	No
	802.11ac(VHT160)	114	5570	**17.38**	18.50	Yes
	802.11ax(HE20)	100	5500	17.21	18.50	No
		116	5580	17.34	18.50	No

		140	5700	17.24	18.50	No
	802.11ax(HE40)	102	5510	17.29	18.50	No
		110	5550	17.24	18.50	No
		134	5670	17.19	18.50	No
	802.11ax(HE80)	106	5530	17.16	18.50	No
		122	5610	17.21	18.50	No
		138	5690	17.33	18.50	No
	802.11ax(HE160)	114	5570	17.16	18.50	No
5.8 (5.725~5.850)	802.11a	149	5745	17.25	18.50	No
		157	5785	17.09	18.50	No
		165	5825	17.31	18.50	No
	802.11n(HT20)	149	5745	17.32	18.50	No
		157	5785	17.25	18.50	No
		165	5825	17.27	18.50	No
	802.11n(HT40)	151	5755	17.28	18.50	No
		159	5795	17.33	18.50	No
	802.11ac(VHT20)	149	5745	17.12	18.50	No
		157	5785	17.31	18.50	No
		165	5825	17.33	18.50	No
	802.11ac(VHT40)	151	5755	17.14	18.50	No
		159	5795	17.07	18.50	No
	802.11ac(VHT80)	155	5775	**17.15**	18.50	Yes
	802.11ax(HE20)	149	5745	17.26	18.50	No
		157	5785	17.11	18.50	No
		165	5825	17.28	18.50	No
	802.11ax(HE40)	151	5755	17.06	18.50	No
		159	5795	17.07	18.50	No
	802.11ax(HE80)	155	5775	17.32	18.50	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.						

8.5.42 5G WIFI Level 6 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	20.15	21.50	No
		40	5200	20.20	21.50	No
		48	5240	20.14	21.50	No
	802.11n(HT20)	36	5180	20.33	21.50	No
		44	5220	20.23	21.50	No
		48	5240	20.24	21.50	No

	802.11n(HT40)	38	5190	20.19	21.50	No
		46	5230	20.14	21.50	No
	802.11ac(VHT20)	36	5180	20.31	21.50	No
		40	5200	20.30	21.50	No
		48	5240	20.22	21.50	No
	802.11ac(VHT40)	38	5190	20.22	21.50	No
		46	5230	20.22	21.50	No
	802.11ac(VHT80)	42	5210	20.14	21.50	No
	802.11ac(VHT160)	50	5250	**20.24**	21.50	Yes
	802.11ax(HE20)	36	5180	20.21	21.50	No
		40	5200	20.25	21.50	No
		48	5240	20.25	21.50	No
	802.11ax(HE40)	38	5190	20.18	21.50	No
		46	5230	20.24	21.50	No
	802.11ax(HE80)	42	5210	20.23	21.50	No
	802.11ax(HE160)	50	5250	20.27	21.50	No
5.3 (5.25~5.35)	802.11a	52	5260	20.25	21.50	No
		60	5300	20.11	21.50	No
		64	5320	20.28	21.50	No
	802.11n(HT20)	52	5260	20.20	21.50	No
		60	5300	20.11	21.50	No
		64	5320	20.29	21.50	No
	802.11n(HT40)	54	5270	20.15	21.50	No
		62	5310	20.30	21.50	No
	802.11ac(VHT20)	52	5260	20.25	21.50	No
		60	5300	20.30	21.50	No
		64	5320	20.18	21.50	No
	802.11ac(VHT40)	54	5270	20.31	21.50	No
		62	5310	20.17	21.50	No
	802.11ac(VHT80)	58	5290	**20.13**	21.50	Yes
	802.11ax(HE20)	52	5260	20.18	21.50	No
		60	5300	20.26	21.50	No
		64	5320	20.24	21.50	No
	802.11ax(HE40)	54	5270	20.31	21.50	No
		62	5310	20.15	21.50	No
	802.11ax(HE80)	58	5290	20.21	21.50	No
5.6 (5.47~5.725)	802.11a	116	5580	20.17	21.50	No
		140	5700	20.30	21.50	No
		100	5500	20.30	21.50	No
	802.11n(HT20)	116	5580	20.35	21.50	No
		140	5700	20.25	21.50	No

		102	5510	20.21	21.50	No
	802.11n(HT40)	110	5550	20.28	21.50	No
		134	5670	20.15	21.50	No
		100	5500	20.24	21.50	No
	802.11ac(VHT20)	116	5580	20.26	21.50	No
		140	5700	20.18	21.50	No
		102	5510	20.25	21.50	No
	802.11ac(VHT40)	110	5550	20.26	21.50	No
		134	5670	20.29	21.50	No
		106	5530	20.27	21.50	No
	802.11ac(VHT80)	106	5530	20.35	21.50	No
		122	5610	20.34	21.50	No
		138	5690	20.23	21.50	No
	802.11ac(VHT160)	114	5570	**20.36**	21.50	Yes
	802.11ax(HE20)	100	5500	20.17	21.50	No
		116	5580	20.28	21.50	No
		140	5700	20.25	21.50	No
	802.11ax(HE40)	102	5510	20.32	21.50	No
		110	5550	20.18	21.50	No
		134	5670	20.13	21.50	No
	802.11ax(HE80)	106	5530	20.20	21.50	No
		122	5610	20.21	21.50	No
		138	5690	20.29	21.50	No
	802.11ax(HE160)	114	5570	20.16	21.50	No
5.8 (5.725~5.850)	802.11a	149	5745	20.21	21.50	No
		157	5785	20.10	21.50	No
		165	5825	20.32	21.50	No
	802.11n(HT20)	149	5745	20.24	21.50	No
		157	5785	20.21	21.50	No
		165	5825	20.27	21.50	No
	802.11n(HT40)	151	5755	20.24	21.50	No
		159	5795	20.22	21.50	No
	802.11ac(VHT20)	149	5745	20.21	21.50	No
		157	5785	20.19	21.50	No
		165	5825	20.34	21.50	No
	802.11ac(VHT40)	151	5755	20.17	21.50	No
		159	5795	20.21	21.50	No
	802.11ac(VHT80)	155	5775	**20.20**	21.50	Yes
	802.11ax(HE20)	149	5745	20.24	21.50	No
		157	5785	20.24	21.50	No
		165	5825	20.19	21.50	No

	802.11ax(HE40)	151	5755	20.22	21.50	No
		159	5795	20.22	21.50	No
	802.11ax(HE80)	155	5775	20.32	21.50	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.						

8.5.43 5G WIFI Level 7 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.67	14.00	No
		40	5200	12.76	14.00	No
		48	5240	12.68	14.00	No
	802.11n(HT20)	36	5180	12.64	14.00	No
		44	5220	12.66	14.00	No
		48	5240	12.83	14.00	No
	802.11n(HT40)	38	5190	12.63	14.00	No
		46	5230	12.79	14.00	No
	802.11ac(VHT20)	36	5180	12.85	14.00	No
		40	5200	12.83	14.00	No
		48	5240	12.74	14.00	No
	802.11ac(VHT40)	38	5190	12.78	14.00	No
		46	5230	12.64	14.00	No
	802.11ac(VHT80)	42	5210	12.63	14.00	No
	802.11ac(VHT160)	50	5250	**12.62**	14.00	Yes
	802.11ax(HE20)	36	5180	12.70	14.00	No
		40	5200	12.69	14.00	No
		48	5240	12.72	14.00	No
	802.11ax(HE40)	38	5190	12.60	14.00	No
		46	5230	12.83	14.00	No
	802.11ax(HE80)	42	5210	12.64	14.00	No
	802.11ax(HE160)	50	5250	12.83	14.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.77	14.00	No
		60	5300	12.83	14.00	No
		64	5320	12.77	14.00	No
	802.11n(HT20)	52	5260	12.71	14.00	No
		60	5300	12.78	14.00	No
		64	5320	12.74	14.00	No
	802.11n(HT40)	54	5270	12.60	14.00	No
		62	5310	12.78	14.00	No
	802.11ac(VHT20)	52	5260	12.85	14.00	No

		60	5300	12.69	14.00	No
		64	5320	12.61	14.00	No
	802.11ac(VHT40)	54	5270	12.57	14.00	No
		62	5310	12.60	14.00	No
	802.11ac(VHT80)	58	5290	**12.39**	14.00	Yes
	802.11ax(HE20)	52	5260	12.77	14.00	No
		60	5300	12.83	14.00	No
		64	5320	12.75	14.00	No
	802.11ax(HE40)	54	5270	12.76	14.00	No
		62	5310	12.67	14.00	No
	802.11ax(HE80)	58	5290	12.64	14.00	No
5.6 (5.47~5.725)	802.11a	116	5580	12.85	14.00	No
		140	5700	12.66	14.00	No
		100	5500	12.79	14.00	No
	802.11n(HT20)	116	5580	12.71	14.00	No
		140	5700	12.83	14.00	No
		102	5510	12.74	14.00	No
	802.11n(HT40)	110	5550	12.69	14.00	No
		134	5670	12.58	14.00	No
		100	5500	12.70	14.00	No
	802.11ac(VHT20)	116	5580	12.70	14.00	No
		140	5700	12.84	14.00	No
		102	5510	12.71	14.00	No
	802.11ac(VHT40)	110	5550	12.56	14.00	No
		134	5670	12.73	14.00	No
		106	5530	12.60	14.00	No
	802.11ac(VHT80)	106	5530	12.55	14.00	No
		122	5610	12.62	14.00	No
		138	5690	12.74	14.00	No
	802.11ac(VHT160)	114	5570	**12.98**	14.00	Yes
	802.11ax(HE20)	100	5500	12.69	14.00	No
		116	5580	12.55	14.00	No
		140	5700	12.67	14.00	No
	802.11ax(HE40)	102	5510	12.83	14.00	No
		110	5550	12.72	14.00	No
		134	5670	12.85	14.00	No
	802.11ax(HE80)	106	5530	12.66	14.00	No
		122	5610	12.82	14.00	No
		138	5690	12.75	14.00	No
	802.11ax(HE160)	114	5570	12.76	14.00	No
5.8	802.11a	149	5745	12.76	14.00	No

(5.725~5.850)		157	5785	12.70	14.00	No
		165	5825	12.55	14.00	No
	802.11n(HT20)	149	5745	12.80	14.00	No
		157	5785	12.64	14.00	No
		165	5825	12.78	14.00	No
	802.11n(HT40)	151	5755	12.83	14.00	No
		159	5795	12.66	14.00	No
	802.11ac(VHT20)	149	5745	12.77	14.00	No
		157	5785	12.58	14.00	No
		165	5825	12.66	14.00	No
	802.11ac(VHT40)	151	5755	12.57	14.00	No
		159	5795	12.65	14.00	No
	802.11ac(VHT80)	155	5775	**13.06**	14.00	Yes
	802.11ax(HE20)	149	5745	12.65	14.00	No
		157	5785	12.72	14.00	No
		165	5825	12.55	14.00	No
	802.11ax(HE40)	151	5755	12.81	14.00	No
		159	5795	12.65	14.00	No
	802.11ax(HE80)	155	5775	12.68	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.						

8.5.44 5G WIFI Level 7 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.70	14.00	No
		40	5200	12.55	14.00	No
		48	5240	12.69	14.00	No
	802.11n(HT20)	36	5180	12.71	14.00	No
		44	5220	12.63	14.00	No
		48	5240	12.57	14.00	No
	802.11n(HT40)	38	5190	12.79	14.00	No
		46	5230	12.83	14.00	No
	802.11ac(VHT20)	36	5180	12.77	14.00	No
		40	5200	12.73	14.00	No
		48	5240	12.63	14.00	No
	802.11ac(VHT40)	38	5190	12.57	14.00	No
		46	5230	12.79	14.00	No
	802.11ac(VHT80)	42	5210	12.75	14.00	No
	802.11ac(VHT160)	50	5250	**12.88**	14.00	Yes

	802.11ax(HE20)	36	5180	12.75	14.00	No
		40	5200	12.82	14.00	No
		48	5240	12.67	14.00	No
	802.11ax(HE40)	38	5190	12.55	14.00	No
		46	5230	12.84	14.00	No
	802.11ax(HE80)	42	5210	12.70	14.00	No
	802.11ax(HE160)	50	5250	12.74	14.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.81	14.00	No
		60	5300	12.73	14.00	No
		64	5320	12.68	14.00	No
	802.11n(HT20)	52	5260	12.83	14.00	No
		60	5300	12.85	14.00	No
		64	5320	12.58	14.00	No
	802.11n(HT40)	54	5270	12.65	14.00	No
		62	5310	12.59	14.00	No
	802.11ac(VHT20)	52	5260	12.55	14.00	No
		60	5300	12.66	14.00	No
		64	5320	12.58	14.00	No
	802.11ac(VHT40)	54	5270	12.60	14.00	No
		62	5310	12.63	14.00	No
	802.11ac(VHT80)	58	5290	**12.95**	14.00	Yes
	802.11ax(HE20)	52	5260	12.71	14.00	No
		60	5300	12.62	14.00	No
		64	5320	12.63	14.00	No
	802.11ax(HE40)	54	5270	12.79	14.00	No
		62	5310	12.62	14.00	No
	802.11ax(HE80)	58	5290	12.78	14.00	No
5.6 (5.47~5.725)	802.11a	116	5580	12.78	14.00	No
		140	5700	12.79	14.00	No
		100	5500	12.67	14.00	No
	802.11n(HT20)	116	5580	12.58	14.00	No
		140	5700	12.81	14.00	No
		102	5510	12.78	14.00	No
	802.11n(HT40)	110	5550	12.81	14.00	No
		134	5670	12.56	14.00	No
		100	5500	12.59	14.00	No
	802.11ac(VHT20)	116	5580	12.55	14.00	No
		140	5700	12.69	14.00	No
		102	5510	12.61	14.00	No
	802.11ac(VHT40)	110	5550	12.60	14.00	No
		134	5670	12.66	14.00	No

		106	5530	12.72	14.00	No
	802.11ac(VHT80)	106	5530	12.70	14.00	No
		122	5610	12.79	14.00	No
		138	5690	12.64	14.00	No
	802.11ac(VHT160)	114	5570	**13.14**	14.00	Yes
	802.11ax(HE20)	100	5500	12.71	14.00	No
		116	5580	12.83	14.00	No
		140	5700	12.76	14.00	No
	802.11ax(HE40)	102	5510	12.59	14.00	No
		110	5550	12.82	14.00	No
		134	5670	12.71	14.00	No
	802.11ax(HE80)	106	5530	12.65	14.00	No
		122	5610	12.73	14.00	No
		138	5690	12.70	14.00	No
	802.11ax(HE160)	114	5570	12.84	14.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.56	14.00	No
		157	5785	12.60	14.00	No
		165	5825	12.77	14.00	No
	802.11n(HT20)	149	5745	12.69	14.00	No
		157	5785	12.59	14.00	No
		165	5825	12.77	14.00	No
	802.11n(HT40)	151	5755	12.74	14.00	No
		159	5795	12.72	14.00	No
	802.11ac(VHT20)	149	5745	12.84	14.00	No
		157	5785	12.66	14.00	No
		165	5825	12.68	14.00	No
	802.11ac(VHT40)	151	5755	12.78	14.00	No
		159	5795	12.59	14.00	No
	802.11ac(VHT80)	155	5775	**12.94**	14.00	Yes
	802.11ax(HE20)	149	5745	12.85	14.00	No
		157	5785	12.66	14.00	No
		165	5825	12.84	14.00	No
	802.11ax(HE40)	151	5755	12.64	14.00	No
		159	5795	12.81	14.00	No
	802.11ax(HE80)	155	5775	12.69	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.						

8.5.45 5G WIFI Level 7 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.70	17.00	No
		40	5200	15.67	17.00	No
		48	5240	15.70	17.00	No
	802.11n(HT20)	36	5180	15.69	17.00	No
		44	5220	15.66	17.00	No
		48	5240	15.71	17.00	No
	802.11n(HT40)	38	5190	15.72	17.00	No
		46	5230	15.82	17.00	No
	802.11ac(VHT20)	36	5180	15.82	17.00	No
		40	5200	15.79	17.00	No
		48	5240	15.70	17.00	No
	802.11ac(VHT40)	38	5190	15.69	17.00	No
		46	5230	15.73	17.00	No
	802.11ac(VHT80)	42	5210	15.70	17.00	No
	802.11ac(VHT160)	50	5250	**15.76**	17.00	Yes
	802.11ax(HE20)	36	5180	15.74	17.00	No
		40	5200	15.77	17.00	No
		48	5240	15.71	17.00	No
	802.11ax(HE40)	38	5190	15.59	17.00	No
		46	5230	15.85	17.00	No
	802.11ax(HE80)	42	5210	15.68	17.00	No
	802.11ax(HE160)	50	5250	15.80	17.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.80	17.00	No
		60	5300	15.79	17.00	No
		64	5320	15.74	17.00	No
	802.11n(HT20)	52	5260	15.78	17.00	No
		60	5300	15.83	17.00	No
		64	5320	15.67	17.00	No
	802.11n(HT40)	54	5270	15.64	17.00	No
		62	5310	15.70	17.00	No
	802.11ac(VHT20)	52	5260	15.71	17.00	No
		60	5300	15.69	17.00	No
		64	5320	15.61	17.00	No
	802.11ac(VHT40)	54	5270	15.60	17.00	No
		62	5310	15.63	17.00	No
	802.11ac(VHT80)	58	5290	**15.69**	17.00	Yes
	802.11ax(HE20)	52	5260	15.75	17.00	No
		60	5300	15.74	17.00	No

		64	5320	15.70	17.00	No
	802.11ax(HE40)	54	5270	15.79	17.00	No
		62	5310	15.66	17.00	No
	802.11ax(HE80)	58	5290	15.72	17.00	No
5.6 (5.47~5.725)	802.11a	116	5580	15.83	17.00	No
		140	5700	15.74	17.00	No
		100	5500	15.74	17.00	No
	802.11n(HT20)	116	5580	15.66	17.00	No
		140	5700	15.83	17.00	No
		102	5510	15.77	17.00	No
	802.11n(HT40)	110	5550	15.76	17.00	No
		134	5670	15.58	17.00	No
		100	5500	15.66	17.00	No
	802.11ac(VHT20)	116	5580	15.64	17.00	No
		140	5700	15.78	17.00	No
		102	5510	15.67	17.00	No
	802.11ac(VHT40)	110	5550	15.59	17.00	No
		134	5670	15.71	17.00	No
		106	5530	15.67	17.00	No
	802.11ac(VHT80)	106	5530	15.64	17.00	No
		122	5610	15.72	17.00	No
		138	5690	15.70	17.00	No
	802.11ac(VHT160)	114	5570	**16.07**	17.00	Yes
	802.11ax(HE20)	100	5500	15.71	17.00	No
		116	5580	15.70	17.00	No
		140	5700	15.73	17.00	No
	802.11ax(HE40)	102	5510	15.72	17.00	No
		110	5550	15.78	17.00	No
		134	5670	15.79	17.00	No
	802.11ax(HE80)	106	5530	15.67	17.00	No
		122	5610	15.79	17.00	No
		138	5690	15.74	17.00	No
	802.11ax(HE160)	114	5570	15.81	17.00	No
5.8 (5.725~5.850)	802.11a	149	5745	15.67	17.00	No
		157	5785	15.66	17.00	No
		165	5825	15.67	17.00	No
	802.11n(HT20)	149	5745	15.76	17.00	No
		157	5785	15.63	17.00	No
		165	5825	15.79	17.00	No
	802.11n(HT40)	151	5755	15.80	17.00	No
		159	5795	15.70	17.00	No

	802.11ac(VHT20)	149	5745	15.82	17.00	No
		157	5785	15.63	17.00	No
		165	5825	15.68	17.00	No
	802.11ac(VHT40)	151	5755	15.69	17.00	No
		159	5795	15.63	17.00	No
	802.11ac(VHT80)	155	5775	**16.01**	17.00	Yes
	802.11ax(HE20)	149	5745	15.76	17.00	No
		157	5785	15.70	17.00	No
		165	5825	15.71	17.00	No
	802.11ax(HE40)	151	5755	15.74	17.00	No
		159	5795	15.74	17.00	No
	802.11ax(HE80)	155	5775	15.70	17.00	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.						

8.5.46 5G WIFI Level 8 ANT 8

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.66	13.00	No
		40	5200	11.64	13.00	No
		48	5240	11.80	13.00	No
	802.11n(HT20)	36	5180	11.75	13.00	No
		44	5220	11.79	13.00	No
		48	5240	11.80	13.00	No
	802.11n(HT40)	38	5190	11.76	13.00	No
		46	5230	11.56	13.00	No
	802.11ac(VHT20)	36	5180	11.56	13.00	No
		40	5200	11.75	13.00	No
		48	5240	11.74	13.00	No
	802.11ac(VHT40)	38	5190	11.81	13.00	No
		46	5230	11.75	13.00	No
	802.11ac(VHT80)	42	5210	11.77	13.00	No
	802.11ac(VHT160)	50	5250	**11.62**	13.00	Yes
	802.11ax(HE20)	36	5180	11.69	13.00	No
		40	5200	11.76	13.00	No
		48	5240	11.62	13.00	No
	802.11ax(HE40)	38	5190	11.81	13.00	No
		46	5230	11.75	13.00	No
	802.11ax(HE80)	42	5210	11.68	13.00	No
	802.11ax(HE160)	50	5250	11.57	13.00	No

5.3 (5.25~5.35)	802.11a	52	5260	11.75	13.00	No
		60	5300	11.85	13.00	No
		64	5320	11.78	13.00	No
	802.11n(HT20)	52	5260	11.62	13.00	No
		60	5300	11.59	13.00	No
		64	5320	11.73	13.00	No
	802.11n(HT40)	54	5270	11.75	13.00	No
		62	5310	11.66	13.00	No
	802.11ac(VHT20)	52	5260	11.68	13.00	No
		60	5300	11.80	13.00	No
		64	5320	11.71	13.00	No
	802.11ac(VHT40)	54	5270	11.76	13.00	No
		62	5310	11.62	13.00	No
	802.11ac(VHT80)	58	5290	**11.30**	13.00	Yes
	802.11ax(HE20)	52	5260	11.85	13.00	No
		60	5300	11.79	13.00	No
		64	5320	11.84	13.00	No
	802.11ax(HE40)	54	5270	11.68	13.00	No
		62	5310	11.55	13.00	No
	802.11ax(HE80)	58	5290	11.56	13.00	No
5.6 (5.47~5.725)	802.11a	116	5580	11.70	13.00	No
		140	5700	11.62	13.00	No
		100	5500	11.75	13.00	No
	802.11n(HT20)	116	5580	11.65	13.00	No
		140	5700	11.74	13.00	No
		102	5510	11.64	13.00	No
	802.11n(HT40)	110	5550	11.74	13.00	No
		134	5670	11.63	13.00	No
		100	5500	11.60	13.00	No
	802.11ac(VHT20)	116	5580	11.77	13.00	No
		140	5700	11.77	13.00	No
		102	5510	11.80	13.00	No
	802.11ac(VHT40)	110	5550	11.57	13.00	No
		134	5670	11.83	13.00	No
		106	5530	11.85	13.00	No
	802.11ac(VHT80)	106	5530	11.82	13.00	No
		122	5610	11.58	13.00	No
		138	5690	11.44	13.00	No
	802.11ac(VHT160)	114	5570	**11.98**	13.00	Yes
	802.11ax(HE20)	100	5500	11.60	13.00	No
		116	5580	11.70	13.00	No

		140	5700	11.68	13.00	No
	802.11ax(HE40)	102	5510	11.71	13.00	No
		110	5550	11.70	13.00	No
		134	5670	11.61	13.00	No
	802.11ax(HE80)	106	5530	11.67	13.00	No
		122	5610	11.67	13.00	No
		138	5690	11.65	13.00	No
	802.11ax(HE160)	114	5570	11.64	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.69	13.00	No
		157	5785	11.57	13.00	No
		165	5825	11.62	13.00	No
	802.11n(HT20)	149	5745	11.78	13.00	No
		157	5785	11.72	13.00	No
		165	5825	11.70	13.00	No
	802.11n(HT40)	151	5755	11.81	13.00	No
		159	5795	11.59	13.00	No
	802.11ac(VHT20)	149	5745	11.60	13.00	No
		157	5785	11.81	13.00	No
		165	5825	11.85	13.00	No
	802.11ac(VHT40)	151	5755	11.62	13.00	No
		159	5795	11.75	13.00	No
	802.11ac(VHT80)	155	5775	**11.88**	13.00	Yes
	802.11ax(HE20)	149	5745	11.67	13.00	No
		157	5785	11.67	13.00	No
		165	5825	11.58	13.00	No
	802.11ax(HE40)	151	5755	11.77	13.00	No
		159	5795	11.64	13.00	No
	802.11ax(HE80)	155	5775	11.85	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.						

8.5.47 5G WIFI Level 8 ANT 9

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.76	13.00	No
		40	5200	11.55	13.00	No
		48	5240	11.57	13.00	No
	802.11n(HT20)	36	5180	11.75	13.00	No
		44	5220	11.73	13.00	No
		48	5240	11.74	13.00	No

	802.11n(HT40)	38	5190	11.80	13.00	No
		46	5230	11.55	13.00	No
	802.11ac(VHT20)	36	5180	11.77	13.00	No
		40	5200	11.74	13.00	No
		48	5240	11.80	13.00	No
	802.11ac(VHT40)	38	5190	11.64	13.00	No
		46	5230	11.80	13.00	No
	802.11ac(VHT80)	42	5210	11.61	13.00	No
	802.11ac(VHT160)	50	5250	**11.95**	13.00	Yes
	802.11ax(HE20)	36	5180	11.58	13.00	No
		40	5200	11.76	13.00	No
		48	5240	11.66	13.00	No
	802.11ax(HE40)	38	5190	11.81	13.00	No
		46	5230	11.70	13.00	No
	802.11ax(HE80)	42	5210	11.82	13.00	No
	802.11ax(HE160)	50	5250	11.83	13.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.63	13.00	No
		60	5300	11.56	13.00	No
		64	5320	11.71	13.00	No
	802.11n(HT20)	52	5260	11.67	13.00	No
		60	5300	11.78	13.00	No
		64	5320	11.56	13.00	No
	802.11n(HT40)	54	5270	11.79	13.00	No
		62	5310	11.78	13.00	No
	802.11ac(VHT20)	52	5260	11.73	13.00	No
		60	5300	11.67	13.00	No
		64	5320	11.55	13.00	No
	802.11ac(VHT40)	54	5270	11.68	13.00	No
		62	5310	11.71	13.00	No
	802.11ac(VHT80)	58	5290	**11.89**	13.00	Yes
	802.11ax(HE20)	52	5260	11.71	13.00	No
		60	5300	11.67	13.00	No
		64	5320	11.64	13.00	No
	802.11ax(HE40)	54	5270	11.56	13.00	No
		62	5310	11.58	13.00	No
	802.11ax(HE80)	58	5290	11.66	13.00	No
5.6 (5.47~5.725)	802.11a	116	5580	11.66	13.00	No
		140	5700	11.77	13.00	No
		100	5500	11.70	13.00	No
	802.11n(HT20)	116	5580	11.81	13.00	No
		140	5700	11.63	13.00	No

		102	5510	11.76	13.00	No
	802.11n(HT40)	110	5550	11.78	13.00	No
		134	5670	11.68	13.00	No
		100	5500	11.70	13.00	No
	802.11ac(VHT20)	116	5580	11.85	13.00	No
		140	5700	11.75	13.00	No
		102	5510	11.73	13.00	No
	802.11ac(VHT40)	110	5550	11.64	13.00	No
		134	5670	11.84	13.00	No
		106	5530	11.62	13.00	No
	802.11ac(VHT80)	106	5530	11.57	13.00	No
		122	5610	11.79	13.00	No
		138	5690	11.63	13.00	No
	802.11ac(VHT160)	114	5570	**12.11**	13.00	Yes
	802.11ax(HE20)	100	5500	11.80	13.00	No
		116	5580	11.67	13.00	No
		140	5700	11.61	13.00	No
	802.11ax(HE40)	102	5510	11.78	13.00	No
		110	5550	11.77	13.00	No
		134	5670	11.79	13.00	No
	802.11ax(HE80)	106	5530	11.69	13.00	No
		122	5610	11.58	13.00	No
		138	5690	11.70	13.00	No
	802.11ax(HE160)	114	5570	11.76	13.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.68	13.00	No
		157	5785	11.65	13.00	No
		165	5825	11.80	13.00	No
	802.11n(HT20)	149	5745	11.78	13.00	No
		157	5785	11.57	13.00	No
		165	5825	11.60	13.00	No
	802.11n(HT40)	151	5755	11.60	13.00	No
		159	5795	11.84	13.00	No
	802.11ac(VHT20)	149	5745	11.82	13.00	No
		157	5785	11.57	13.00	No
		165	5825	11.72	13.00	No
	802.11ac(VHT40)	151	5755	11.81	13.00	No
		159	5795	11.58	13.00	No
	802.11ac(VHT80)	155	5775	**11.80**	13.00	Yes
	802.11ax(HE20)	149	5745	11.73	13.00	No
		157	5785	11.57	13.00	No
		165	5825	11.67	13.00	No

	802.11ax(HE40)	151	5755	11.71	13.00	No
		159	5795	11.79	13.00	No
	802.11ax(HE80)	155	5775	11.68	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.						

8.5.48 5G WIFI Level 8 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.72	16.00	No
		40	5200	14.61	16.00	No
		48	5240	14.70	16.00	No
	802.11n(HT20)	36	5180	14.76	16.00	No
		44	5220	14.77	16.00	No
		48	5240	14.78	16.00	No
	802.11n(HT40)	38	5190	14.79	16.00	No
		46	5230	14.57	16.00	No
	802.11ac(VHT20)	36	5180	14.68	16.00	No
		40	5200	14.76	16.00	No
		48	5240	14.78	16.00	No
	802.11ac(VHT40)	38	5190	14.74	16.00	No
		46	5230	14.79	16.00	No
	802.11ac(VHT80)	42	5210	14.70	16.00	No
	802.11ac(VHT160)	50	5250	**14.80**	16.00	Yes
	802.11ax(HE20)	36	5180	14.65	16.00	No
		40	5200	14.77	16.00	No
		48	5240	14.65	16.00	No
	802.11ax(HE40)	38	5190	14.82	16.00	No
		46	5230	14.74	16.00	No
	802.11ax(HE80)	42	5210	14.76	16.00	No
	802.11ax(HE160)	50	5250	14.71	16.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.70	16.00	No
		60	5300	14.72	16.00	No
		64	5320	14.76	16.00	No
	802.11n(HT20)	52	5260	14.66	16.00	No
		60	5300	14.70	16.00	No
		64	5320	14.66	16.00	No
	802.11n(HT40)	54	5270	14.78	16.00	No
		62	5310	14.73	16.00	No
	802.11ac(VHT20)	52	5260	14.72	16.00	No

		60	5300	14.75	16.00	No
		64	5320	14.64	16.00	No
	802.11ac(VHT40)	54	5270	14.73	16.00	No
		62	5310	14.68	16.00	No
	802.11ac(VHT80)	58	5290	**14.62**	16.00	Yes
	802.11ax(HE20)	52	5260	14.79	16.00	No
		60	5300	14.74	16.00	No
		64	5320	14.75	16.00	No
	802.11ax(HE40)	54	5270	14.63	16.00	No
		62	5310	14.58	16.00	No
	802.11ax(HE80)	58	5290	14.62	16.00	No
5.6 (5.47~5.725)	802.11a	116	5580	14.69	16.00	No
		140	5700	14.71	16.00	No
		100	5500	14.74	16.00	No
	802.11n(HT20)	116	5580	14.74	16.00	No
		140	5700	14.70	16.00	No
		102	5510	14.71	16.00	No
	802.11n(HT40)	110	5550	14.77	16.00	No
		134	5670	14.67	16.00	No
		100	5500	14.66	16.00	No
	802.11ac(VHT20)	116	5580	14.82	16.00	No
		140	5700	14.77	16.00	No
		102	5510	14.78	16.00	No
	802.11ac(VHT40)	110	5550	14.62	16.00	No
		134	5670	14.85	16.00	No
		106	5530	14.75	16.00	No
	802.11ac(VHT80)	106	5530	14.71	16.00	No
		122	5610	14.70	16.00	No
		138	5690	14.55	16.00	No
	802.11ac(VHT160)	114	5570	**15.06**	16.00	Yes
	802.11ax(HE20)	100	5500	14.71	16.00	No
		116	5580	14.70	16.00	No
		140	5700	14.66	16.00	No
	802.11ax(HE40)	102	5510	14.76	16.00	No
		110	5550	14.75	16.00	No
		134	5670	14.71	16.00	No
	802.11ax(HE80)	106	5530	14.69	16.00	No
		122	5610	14.64	16.00	No
		138	5690	14.69	16.00	No
	802.11ax(HE160)	114	5570	14.71	16.00	No
5.8	802.11a	149	5745	14.70	16.00	No

(5.725~5.850)		157	5785	14.62	16.00	No
		165	5825	14.72	16.00	No
	802.11n(HT20)	149	5745	14.79	16.00	No
		157	5785	14.66	16.00	No
		165	5825	14.66	16.00	No
	802.11n(HT40)	151	5755	14.72	16.00	No
		159	5795	14.73	16.00	No
	802.11ac(VHT20)	149	5745	14.72	16.00	No
		157	5785	14.70	16.00	No
		165	5825	14.80	16.00	No
	802.11ac(VHT40)	151	5755	14.73	16.00	No
		159	5795	14.68	16.00	No
	802.11ac(VHT80)	155	5775	**14.85**	16.00	Yes
	802.11ax(HE20)	149	5745	14.71	16.00	No
		157	5785	14.63	16.00	No
		165	5825	14.64	16.00	No
	802.11ax(HE40)	151	5755	14.75	16.00	No
		159	5795	14.73	16.00	No
	802.11ax(HE80)	155	5775	14.78	16.00	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.

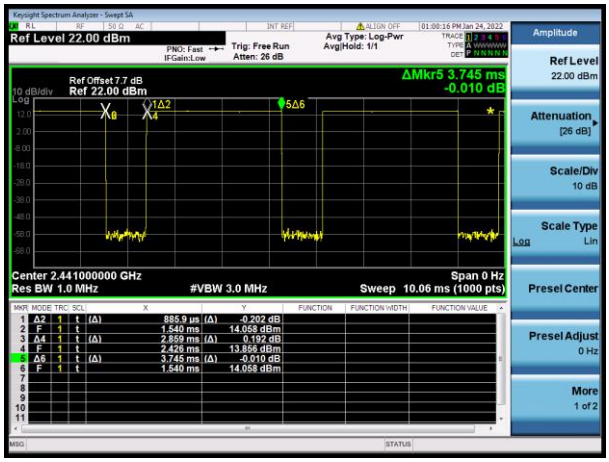
8.6 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	**13.93**	13.89	13.49	10.47	10.43	10.16
Tune-Up Limit (dBm)	14.00			10.50		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	10.29	10.19	9.91	/	/	/
Tune-Up Limit (dBm)	10.50			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	9.80	10.13	9.51	9.79	10.10	9.51
Tune-Up Limit (dBm)	10.50			10.50		

Note: The Bluetooth duty cycle is 76.34 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle Test plots

GFSK



8.7 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 or body.
2.When there is a voice call (including VOIP) and the audio is actively routed through the earpiece receiver, which indicating the head exposure condition it will trigger the head exposure reduced the power.
3.When there is a voice call (including VOIP), and the audio is actively routed through the headset or speaker, 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 conditions	Antenna	Power reduced bands
State 18	On (head scenario)	WWAN Use Only	Ant.0	/
			Ant.1	GSM850/1900
				WCDMA B2/4/5
				LTE B2/4/5/7/26/66/38/41
				NR B5/7/66/38/41
			Ant.3	LTE B7
				NR B7/41
			Ant.5	/
State 19	On (head scenario)	WWAN+WLAN	Ant.0	/
			Ant.1	GSM850/1900
				WCDMA B2/4/5
				LTE B2/4/5/7/12/13/17/26/66/38/41
				NR B5/7/66/38/41
			Ant.3	LTE B7
				NR B7/41
			Ant.5	LTE B2/7/66
State 17	Off (Body scenario)	WWAN Use Only	Ant.0	GSM1900
				WCDMA B2/4
				LTE B2/4/7/66
				NR B7/66
			Ant.1	GSM850/1900

				WCDMA B2/4
				LTE B2/4/7/66/38/41
				NR B7/66/38/41
			Ant.3	/
			Ant.5	/
State 19	Off (Body scenario)	WWAN+WLAN	Ant.0	GSM1900
				WCDMA B2/4
				LTE B2/4/7/66/41
				NR B7/66/38/41
			Ant.1	GSM1900
				WCDMA B2/4
				LTE B2/4/5/7/26/66/38/41
				NR B7/66/38/41
			Ant.3	NR B7/41
			Ant.5	/

WWAN Power table

Mode	Antenna	WWAN Antenna					
		Full Power	Receiver on		Receiver off		
			Head		Body-Worn&Extremit		Hotspot
			Standalone	Simultaneous transmission +WLAN	Standalone	Simultaneous transmission +WLAN	Simultaneous transmission +WLAN
		Off	State18	State 20	State17	State19	State19
GSM 850	Ant0	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant0	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant0	31.00	31.00	31.00	31.00	31.00	31.00
GPRS850 3 Tx Slots	Ant0	29.00	29.00	29.00	29.00	29.00	29.00
GPRS850 4 Tx Slots	Ant0	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant0	26.50	26.50	26.50	26.50	26.50	26.50
EGPRS850 2 Tx Slots	Ant0	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS850 3 Tx Slots	Ant0	23.00	23.00	23.00	23.00	23.00	23.00

EGPRS850 4 Tx Slots	Ant0	22.50	22.50	22.50	22.50	22.50	22.50
GSM 850	Ant1	33.00	32.00	29.50	33.00	33.00	33.00
GPRS850 1 Tx Slot	Ant1	33.00	32.00	29.50	33.00	33.00	33.00
GPRS850 2 Tx Slots	Ant1	30.50	29.50	27.00	30.50	30.50	30.50
GPRS850 3 Tx Slots	Ant1	28.50	27.50	25.00	28.50	28.50	28.50
GPRS850 4 Tx Slots	Ant1	27.50	26.50	24.00	27.50	27.50	27.50
EGPRS850 1 Tx Slot	Ant1	26.00	25.00	22.50	26.00	26.00	26.00
EGPRS850 2 Tx Slots	Ant1	24.00	23.00	20.50	24.00	24.00	24.00
EGPRS850 3 Tx Slots	Ant1	22.50	21.50	19.00	22.50	22.50	22.50
EGPRS850 4 Tx Slots	Ant1	22.00	21.00	18.50	22.00	22.00	22.00
GSM 1900	Ant0	30.50	30.50	30.50	29.50	27.50	27.50
GPRS1900 1 Tx Slot	Ant0	30.50	30.50	30.50	29.50	27.50	27.50
GPRS1900 2 Tx Slots	Ant0	27.50	27.50	27.50	26.50	24.50	24.50
GPRS1900 3 Tx Slots	Ant0	26.00	26.00	26.00	25.00	23.00	23.00
GPRS1900 4 Tx Slots	Ant0	25.00	25.00	25.00	24.00	22.00	22.00
EGPRS1900 1 Tx Slot	Ant0	26.50	26.50	26.50	26.50	23.50	23.50
EGPRS1900 2 Tx Slots	Ant0	25.50	25.50	25.50	25.50	22.50	22.50
EGPRS1900 3 Tx Slots	Ant0	24.00	24.00	24.00	24.00	21.00	21.00
EGPRS1900 4 Tx Slots	Ant0	23.50	23.50	23.50	23.50	20.50	20.50
GSM 1900	Ant1	30.00	24.00	22.50	28.00	25.50	25.50
GPRS1900 1 Tx Slot	Ant1	30.00	24.00	22.50	28.00	25.50	25.50
GPRS1900 2 Tx Slots	Ant1	27.00	21.00	19.50	25.00	22.50	22.50
GPRS1900 3 Tx Slots	Ant1	25.50	19.50	18.00	23.50	21.00	21.00
GPRS1900 4 Tx Slots	Ant1	24.50	18.50	17.00	22.50	20.00	20.00
EGPRS1900 1 Tx Slot	Ant1	26.00	20.00	18.50	24.00	21.50	21.50
EGPRS1900 2 Tx Slots	Ant1	25.00	19.00	17.50	23.50	20.50	20.50
EGPRS1900 3 Tx Slots	Ant1	23.50	17.50	16.00	21.50	19.00	19.00
EGPRS1900 4 Tx Slots	Ant1	23.00	17.00	15.50	21.00	18.50	18.50
WCDMA Band2 RMC	Ant0	24.00	24.00	24.00	24.00	18.00	18.00
HSDPA Subtest-1	Ant0	23.50	23.50	23.50	23.50	17.50	17.50
HSDPA Subtest-2	Ant0	23.50	23.50	23.50	23.50	17.50	17.50

HSDPA Subtest-3	Ant0	22.60	22.60	22.60	22.60	16.60	16.60
HSDPA Subtest-4	Ant0	22.60	22.60	22.60	22.60	16.60	16.60
HSUPA Subtest-1	Ant0	23.50	23.50	23.50	23.50	17.50	17.50
HSUPA Subtest-2	Ant0	21.20	21.20	21.20	21.20	15.20	15.20
HSUPA Subtest-3	Ant0	22.20	22.20	22.20	22.20	16.20	16.20
HSUPA Subtest-4	Ant0	21.20	21.20	21.20	21.20	15.20	15.20
HSUPA Subtest-5	Ant0	23.50	23.50	23.50	23.50	17.50	17.50
WCDMA Band2 RMC	Ant1	23.50	16.50	15.00	19.00	17.50	17.50
HSDPA Subtest-1	Ant1	23.00	16.00	14.50	18.50	17.00	17.00
HSDPA Subtest-2	Ant1	23.00	16.00	14.50	18.50	17.00	17.00
HSDPA Subtest-3	Ant1	22.10	15.10	13.60	17.60	16.10	16.10
HSDPA Subtest-4	Ant1	22.10	15.10	13.60	17.60	16.10	16.10
HSUPA Subtest-1	Ant1	23.00	16.00	14.50	18.50	17.00	17.00
HSUPA Subtest-2	Ant1	20.70	13.70	12.20	16.20	14.70	14.70
HSUPA Subtest-3	Ant1	21.70	14.70	13.20	17.20	15.70	15.70
HSUPA Subtest-4	Ant1	20.70	13.70	12.20	16.20	14.70	14.70
HSUPA Subtest-5	Ant1	23.00	16.00	14.50	18.50	17.00	17.00
WCDMA Band4 RMC	Ant0	24.00	24.00	24.00	21.50	18.50	18.50
HSDPA Subtest-1	Ant0	24.00	24.00	24.00	21.50	18.50	18.50
HSDPA Subtest-2	Ant0	24.00	24.00	24.00	21.50	18.50	18.50
HSDPA Subtest-3	Ant0	23.50	23.50	23.50	21.00	18.00	18.00
HSDPA Subtest-4	Ant0	23.50	23.50	23.50	21.00	18.00	18.00
HSUPA Subtest-1	Ant0	23.30	23.30	23.30	20.80	17.80	17.80
HSUPA Subtest-2	Ant0	21.30	21.30	21.30	18.80	15.80	15.80
HSUPA Subtest-3	Ant0	22.30	22.30	22.30	19.80	16.80	16.80
HSUPA Subtest-4	Ant0	21.30	21.30	21.30	18.80	15.80	15.80
HSUPA Subtest-5	Ant0	24.20	24.20	24.20	21.70	18.70	18.70
WCDMA Band4 RMC	Ant1	23.50	16.50	15.00	20.00	18.00	18.00
HSDPA Subtest-1	Ant1	23.50	16.50	15.00	20.00	18.00	18.00
HSDPA Subtest-2	Ant1	23.50	16.50	15.00	20.00	18.00	18.00
HSDPA Subtest-3	Ant1	23.00	16.00	14.50	19.50	17.50	17.50

HSDPA Subtest-4	Ant1	23.00	16.00	14.50	19.50	17.50	17.50
HSUPA Subtest-1	Ant1	22.80	15.80	14.30	19.30	17.30	17.30
HSUPA Subtest-2	Ant1	20.80	13.80	12.30	17.30	15.30	15.30
HSUPA Subtest-3	Ant1	21.80	14.80	13.30	18.30	16.30	16.30
HSUPA Subtest-4	Ant1	20.80	13.80	12.30	17.30	15.30	15.30
HSUPA Subtest-5	Ant1	23.70	16.70	15.20	20.20	18.20	18.20
WCDMA Band5 RMC	Ant0	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant0	23.60	23.60	23.60	23.60	23.60	23.60
HSDPA Subtest-2	Ant0	23.60	23.60	23.60	23.60	23.60	23.60
HSDPA Subtest-3	Ant0	23.10	23.10	23.10	23.10	23.10	23.10
HSDPA Subtest-4	Ant0	23.10	23.10	23.10	23.10	23.10	23.10
HSUPA Subtest-1	Ant0	23.60	23.60	23.60	23.60	23.60	23.60
HSUPA Subtest-2	Ant0	20.60	20.60	20.60	20.60	20.60	20.60
HSUPA Subtest-3	Ant0	20.60	20.60	20.60	20.60	20.60	20.60
HSUPA Subtest-4	Ant0	20.60	20.60	20.60	20.60	20.60	20.60
HSUPA Subtest-5	Ant0	23.60	23.60	23.60	23.60	23.60	23.60
WCDMA Band5 RMC	Ant1	24.00	22.50	20.00	24.00	22.50	22.50
HSDPA Subtest-1	Ant1	23.10	21.60	19.10	23.10	21.60	21.60
HSDPA Subtest-2	Ant1	23.10	21.60	19.10	23.10	21.60	21.60
HSDPA Subtest-3	Ant1	22.60	21.10	18.60	22.60	21.10	21.10
HSDPA Subtest-4	Ant1	22.60	21.10	18.60	22.60	21.10	21.10
HSUPA Subtest-1	Ant1	23.10	21.60	19.10	23.10	21.60	21.60
HSUPA Subtest-2	Ant1	20.10	18.60	16.10	20.10	18.60	18.60
HSUPA Subtest-3	Ant1	20.10	18.60	16.10	20.10	18.60	18.60
HSUPA Subtest-4	Ant1	20.10	18.60	16.10	20.10	18.60	18.60
HSUPA Subtest-5	Ant1	23.10	21.60	19.10	23.10	21.60	21.60
LTE Band2	Ant0	24.00	24.00	24.00	20.50	19.00	19.00
LTE Band2	Ant1	23.50	17.50	15.50	20.00	19.00	19.00
LTE Band4	Ant0	24.00	24.00	24.00	21.00	19.00	19.00
LTE Band4	Ant1	23.50	17.50	15.50	20.50	18.00	18.00
LTE Band5	Ant0	24.50	24.50	24.50	24.50	24.50	24.50

LTE Band5	Ant1	24.00	22.50	20.50	24.00	23.50	23.50
LTE Band7	Ant0	23.50	23.50	23.50	22.00	20.00	20.00
LTE Band7	Ant1	23.00	16.00	14.50	19.50	17.50	17.50
LTE Band12	Ant0	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band12	Ant1	24.00	24.00	23.50	24.00	24.00	24.00
LTE Band13	Ant0	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band13	Ant1	24.00	24.00	23.00	24.00	24.00	24.00
LTE Band17	Ant0	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band17	Ant1	24.00	24.00	23.50	24.00	24.00	24.00
LTE Band26	Ant0	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band26	Ant1	24.00	23.00	21.00	24.00	23.50	23.50
LTE Band66	Ant0	24.00	24.00	24.00	21.00	19.00	19.00
LTE Band66	Ant1	23.50	17.00	15.50	20.50	18.00	18.00
LTE Band38	Ant0	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band38	Ant1	23.50	17.50	16.00	21.00	20.00	20.00
LTE Band41	Ant0	24.00	24.00	24.00	24.00	22.50	22.50
LTE Band41	Ant1	23.50	17.50	16.50	22.00	20.50	20.50

ENDC Antenna Power table

EN-DC Configurations	E-UTRA Band	NR Band	Antenna Configurations			
			1	2	3	4
7A+n5A	LTE Band7	n5	LTE Ant.1	LTE Ant.3	LTE Ant.3	/
			nr Ant.0	nr Ant.0	nr Ant.1	/
66A+n5A	LTE Band66	n5	LTE Ant.1	LTE Ant.3	LTE Ant.3	/
			nr Ant.0	nr Ant.0	nr Ant.1	/
5A+n7A	LTE Band5	n7	LTE Ant.0	LTE Ant.0	LTE Ant.1	/
			nr Ant.1	nr Ant.3	nr Ant.3	/
66A+n7A	LTE Band66	n7	LTE Ant.0	LTE Ant.5	LTE Ant.0	LTE Ant.5
			nr Ant.1	nr Ant.1	nr Ant.3	nr Ant.3
5A+n66A	LTE Band5	n66	LTE Ant.0	LTE Ant.0	LTE Ant.1	/
			nr Ant.1	nr Ant.3	nr Ant.3	/
7A+n66A	LTE Band7	n66	LTE Ant.0	LTE Ant.5	LTE Ant.0	LTE Ant.5
			nr Ant.1	nr Ant.1	nr Ant.3	nr Ant.3
12A+n66A	LTE Band12	n66	LTE Ant.0	LTE Ant.0	LTE Ant.1	/
			nr Ant.1	nr Ant.3	nr Ant.3	/
2A+n41A	LTE Band2	n41	LTE Ant.0	LTE Ant.5	LTE Ant.0	LTE Ant.5
			nr Ant.1	nr Ant.1	nr Ant.3	nr Ant.3
26A+n41A	LTE Band26	n41	LTE Ant.0	LTE Ant.0	LTE Ant.1	/

			nr Ant.1	nr Ant.3	nr Ant.3	/
66A+n41A	LTE Band66	n41	LTE Ant.0	LTE Ant.5	LTE Ant.0	LTE Ant.5
			nr Ant.1	nr Ant.1	nr Ant.3	nr Ant.3

Mode	Band	Antenna	SA&ENDC Antenna					
			Full Power	Receiver on		Receiver off		
				Head		Body-Worn&Extremit		Hotspot
				Standalone	Simultaneous transmission	Standalone	Simultaneous transmission	Simultaneous transmission
					+WLAN		+WLAN	+WLAN
			Off	State18	State20	State17	State19	State19
5G NR n5 (SA)	n5	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20
5G NR n5 (SA)	n5	Ant.1	23.70	22.20	20.20	23.70	23.70	23.70
DC_7A+n5A	n5	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20
	LTE Band7	Ant.1	23.00	14.00	14.00	19.50	17.50	17.50
	LTE Band7	Ant.3	21.80	20.80	18.80	21.80	21.80	21.80
DC_7A+n5A	n5	Ant.1	23.70	20.20	17.70	23.70	23.70	23.70
	LTE Band7	Ant.3	21.80	20.80	18.80	21.80	21.80	21.80
DC_66A+n5A	n5	Ant.0	24.20	24.20	24.20	24.20	24.20	24.20
	LTE Band66	Ant.1	23.50	16.50	15.50	20.00	19.00	19.00
	LTE Band66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50
DC_66A+n5A	n5	Ant.1	23.70	20.20	17.70	23.70	23.70	23.70
	LTE Band66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50
5G NR n7 (SA)	n7	Ant.0	23.70	23.70	23.70	22.20	22.20	22.20
5G NR n7 (SA)	n7	Ant.1	23.20	15.70	14.20	19.70	18.20	18.20
DC_5A+n7A	n7	Ant.1	23.20	13.70	12.70	18.20	17.20	17.20
	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50
DC_5A+n7A	n7	Ant.3	22.00	21.00	18.00	22.00	21.00	21.00
	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50
	LTE Band5	Ant.1	24.00	20.50	18.00	24.00	23.50	23.50
DC_66A+n7A	n7	Ant.1	23.20	13.70	12.70	18.20	17.20	17.20
	LTE Band66	Ant.0	24.00	24.00	24.00	20.50	19.50	19.50
	LTE Band66	Ant.5	22.00	22.00	19.00	22.00	22.00	22.00
DC_66A+n7A	n7	Ant.3	22.00	21.00	18.00	22.00	21.00	21.00
	LTE Band66	Ant.0	24.00	24.00	24.00	20.50	19.50	19.50
	LTE Band66	Ant.5	22.00	22.00	19.00	22.00	22.00	22.00
5G NR n66 (SA)	n66	Ant.0	24.20	24.20	24.20	21.20	21.20	21.20
5G NR n66 (SA)	n66	Ant.1	23.70	17.20	15.70	20.70	19.70	19.70
DC_5A+n66A	n66	Ant.1	23.70	16.20	14.20	20.20	19.20	19.20
	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50
DC_5A+n66A	n66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50
	LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50
	LTE Band5	Ant.1	24.00	20.50	18.00	24.00	23.50	23.50
DC_7A+n66A	n66	Ant.1	23.70	16.20	14.20	20.20	19.20	19.20
	LTE Band7	Ant.0	23.50	23.50	22.50	22.00	19.00	19.00

	LTE Band7	Ant.5	21.50	21.50	18.50	21.50	21.50	21.50
DC_7A+n66A	n66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50
	LTE Band7	Ant.0	23.50	23.50	22.50	22.00	19.00	19.00
	LTE Band7	Ant.5	21.50	21.50	18.50	21.50	21.50	21.50
DC_12A+n66A	n66	Ant.1	23.70	16.20	14.20	20.20	19.20	19.20
	LTE Band12	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50
DC_12A+n66A	n66	Ant.3	22.50	22.50	22.50	22.50	22.50	22.50
	LTE Band12	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50
	LTE Band12	Ant.1	24.00	23.00	22.00	24.00	24.00	24.00
5G NR n38 (SA)	n38	Ant.0	24.20	24.20	24.20	22.20	22.20	22.20
5G NR n38 (SA)	n38	Ant.1	23.70	16.20	14.70	19.70	17.70	17.70
5G NR n41 (SA)	n41	Ant.0	24.20	24.20	24.20	22.20	22.20	22.20
5G NR n41 (SA)	n41	Ant.1	23.70	16.20	14.70	19.70	18.20	18.20
DC_2A+n41A	n41	Ant.1	23.70	14.70	13.70	18.20	17.20	17.20
	LTE Band2	Ant.0	24.00	24.00	24.00	19.00	18.00	18.00
	LTE Band2	Ant.5	22.50	22.50	19.50	22.50	22.50	22.50
DC_2A+n41A	n41	Ant.3	22.00	20.00	17.00	22.00	21.00	21.00
	LTE Band2	Ant.0	24.00	24.00	24.00	19.00	18.00	18.00
	LTE Band2	Ant.5	22.50	22.50	19.50	22.50	22.50	22.50
DC_26A+n41A	n41	Ant.1	23.70	14.70	13.70	18.20	17.20	17.20
	LTE Band26	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50
DC_26A+n41A	n41	Ant.3	22.00	20.00	17.00	22.00	21.00	21.00
	LTE Band26	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50
	LTE Band26	Ant.1	24.00	20.50	19.00	24.00	23.50	23.50
DC_66A+n41A	n41	Ant.1	23.70	14.70	13.70	18.20	17.20	17.20
	LTE Band66	Ant.0	24.00	24.00	24.00	20.50	19.50	19.50
	LTE Band66	Ant.5	22.00	22.00	19.00	22.00	22.00	22.00
DC_66A+n41A	n41	Ant.3	22.00	20.00	17.00	22.00	21.00	21.00
	LTE Band66	Ant.0	24.00	24.00	24.00	20.50	19.50	19.50
	LTE Band66	Ant.5	22.00	22.00	19.00	22.00	22.00	22.00

WLAN Reduced power level table

Reduced level	Receiver state	Transmitting conditions	Antenna	Power reduced bands
Level 1	On (head scenario)	WLAN 2.4G Or WLAN 5G Use Only	Ant.8/9/8&9	WiIFI 2.4G
				WiIFI 5.2G/5.3G/5.6G/5.8G
Level 2	On (head scenario)	WLAN 2.4G + WLAN 5G	Ant.8/9/8&9	WiIFI 2.4G
				WiIFI 5.2G/5.3G/5.6G/5.8G
Level 3	On (head scenario)	WWAN + WLAN 2.4G Or WWAN + WLAN 5G	Ant.8/9/8&9	WiIFI 2.4G
				WiIFI 5.2G/5.3G/5.6G/5.8G
Level 4		WWAN + WLAN 2.4G + WLAN 5G	Ant.8/9/8&9	WiIFI 2.4G

	On (head scenario)			WiIFI 5.2G/5.3G/5.6G/5.8G
Level 5	Off (Body scenario)	WLAN 2.4G Or WLAN 5G Use Only	Ant.8/9/8&9	/
Level 6	Off (Body scenario)	WLAN 2.4G + WLAN 5G	Ant.8/9/8&9	WiIFI 5.2G/5.3G/5.6G/5.8G
Level 7	Off (Body scenario)	WWAN + WLAN 2.4G Or WWAN + WLAN 5G	Ant.8/9/8&9	WiIFI 2.4G
				WiIFI 5.2G/5.3G/5.6G/5.8G
Level 8	Off (Body scenario)	WWAN + WLAN 2.4G + WLAN 5G	Ant.8/9/8&9	WiIFI 2.4G
				WiIFI 5.2G/5.3G/5.6G/5.8G

WLAN Reduced power level table

Mode	WLAN Antenna 8										
	Full Power	Receiver on				Receiver off					
		Head				Body-Worn&Extremit				Hotspot	
		Standalone		Simultaneous transmission		Standalone		Simultaneous transmission		Simultaneous transmission	
		WLAN 2.4G Or WLAN 5G	WLAN 2.4G + WLAN 5G	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4G GWIFI+5G WIFI	WLAN 2.4G Or WLAN 5G	WLAN 2.4G + WLAN 5G	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4G GWIFI+5G WIFI	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4G GWIFI+5G WIFI
	Off	Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level4	Level4
2.4G WLAN 802.11b	19.50	16.00	13.50	11.00	11.00	19.50	18.50	16.00	16.00	16.00	16.00
2.4G WLAN 802.11g	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11n20	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11n40	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ac20	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ac40	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ax20	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ax40	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
5.2G WLAN 802.11a	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11n20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11n40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ac20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00

5.2G WLAN 802.11ac40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ac80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ax20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ax40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ax80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.3G WLAN 802.11a	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11n20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11n40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ac20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ac40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ac80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ax20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ax40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ax80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11a	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11n20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11n40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ac20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ac40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ac80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ax20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ax40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ax80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/

5.8G WLAN 802.11a	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11n20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11n40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11ac20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11ac40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G LAN 802.11ac80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11ax20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11ax40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G LAN 802.11ax80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
Bluetooth	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00

Mode	WLAN Antenna 9										
	Full Power	Receiver on				Receiver off					
		Head				Body-Worn&Extremit				Hotspot	
		Standalone		Simultaneous transmission		Standalone		Simultaneous transmission		Simultaneous transmission	
		WLAN 2.4G Or WLAN 5G	WLAN 2.4G + WLAN 5G	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4G WIFI+5G WIFI	WLAN 2.4G Or WLAN 5G	WLAN 2.4G + WLAN 5G	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4GWIFI+5G WIFI	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4GWIFI+5G WIFI
	Off	Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level4	Level4
2.4G WLAN 802.11b	19.50	16.00	13.50	11.00	11.00	19.50	18.50	16.00	16.00	16.00	16.00
2.4G WLAN 802.11g	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11n20	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11n40	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ac20	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ac40	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ax20	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50
2.4G WLAN 802.11ax40	19.00	15.50	13.00	10.50	10.50	19.00	18.00	15.50	15.50	15.50	15.50

5.2G WLAN 802.11a	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11n20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11n40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ac20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ac40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ac80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ax20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ax40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.2G WLAN 802.11ax80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.3G WLAN 802.11a	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11n20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11n40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ac20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ac40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ac80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ax20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ax40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.3G WLAN 802.11ax80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11a	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11n20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11n40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ac20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ac40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/

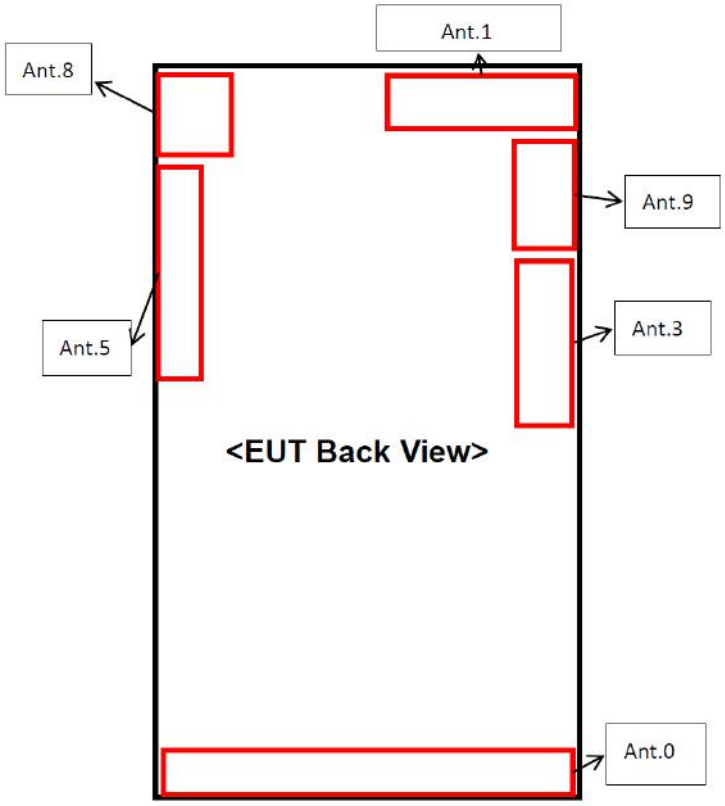
5.6G WLAN 802.11ac80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ax20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ax40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.6G WLAN 802.11ax80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	/	/
5.8G WLAN 802.11a	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11n20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11n40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11ac20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11ac40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G LAN 802.11ac80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11ax20	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G WLAN 802.11ax40	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
5.8G LAN 802.11ax80	19.50	14.00	11.50	10.50	10.50	19.50	14.00	13.00	13.00	13.00	13.00
Bluetooth	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00

Mode	WLAN Antenna 8&9										
	Full Power	Receiver on				Receiver off					
		Head				Body-Worn&Extremit				Hotspot	
		Standalone		Simultaneous transmission		Standalone		Simultaneous transmission		Simultaneous transmission	
		WLAN 2.4G Or WLAN 5G	WLAN 2.4G + WLAN 5G	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4GWIFI+5G WIFI	WLAN 2.4G Or WLAN 5G	WLAN 2.4G + WLAN 5G	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4GWIFI+5G WIFI	WWAN+2.4G WIFI or 5GWIFI	WWAN+2.4GWIFI+5G WIFI
	Off	Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level4	Level4
2.4G WLAN 802.11b	22.50	19.00	16.50	14.00	14.00	22.50	21.50	19.00	19.00	19.00	19.00
2.4G WLAN 802.11g	22.00	18.50	16.00	13.50	13.50	22.00	21.00	18.50	18.50	18.50	18.50
2.4G WLAN 802.11n20	22.00	18.50	16.00	13.50	13.50	22.00	21.00	18.50	18.50	18.50	18.50
2.4G WLAN 802.11n40	22.00	18.50	16.00	13.50	13.50	22.00	21.00	18.50	18.50	18.50	18.50

2.4G WLAN 802.11ac20	22.00	18.50	16.00	13.50	13.50	22.00	21.00	18.50	18.50	18.50	18.50
2.4G WLAN 802.11ac40	22.00	18.50	16.00	13.50	13.50	22.00	21.00	18.50	18.50	18.50	18.50
2.4G WLAN 802.11ax20	22.00	18.50	16.00	13.50	13.50	22.00	21.00	18.50	18.50	18.50	18.50
2.4G WLAN 802.11ax40	22.00	18.50	16.00	13.50	13.50	22.00	21.00	18.50	18.50	18.50	18.50
5.2G WLAN 802.11a	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11n20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11n40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11ac20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11ac40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11ac80	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11ax20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11ax40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.2G WLAN 802.11ax80	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.3G WLAN 802.11a	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.3G WLAN 802.11n20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.3G WLAN 802.11n40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.3G WLAN 802.11ac20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.3G WLAN 802.11ac40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.3G WLAN 802.11ac80	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.3G WLAN 802.11ax20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.3G WLAN 802.11ax40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.3G WLAN 802.11ax80	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.6G WLAN 802.11a	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/

5.6G WLAN 802.11n20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.6G WLAN 802.11n40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.6G WLAN 802.11ac20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.6G WLAN 802.11ac40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.6G WLAN 802.11ac80	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.6G WLAN 802.11ax20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.6G WLAN 802.11ax40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.6G WLAN 802.11ax80	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	/	/
5.8G WLAN 802.11a	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.8G WLAN 802.11n20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.8G WLAN 802.11n40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.8G WLAN 802.11ac20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.8G WLAN 802.11ac40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.8G LAN 802.11ac80	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.8G WLAN 802.11ax20	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.8G WLAN 802.11ax40	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
5.8G LAN 802.11ax80	22.50	17.00	14.50	13.50	13.50	22.50	17.00	16.00	16.00	16.00	16.00
Bluetooth	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00

9 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 0	2/3/4G LMHB TX Antenna 5G NR LMHB TX Antenna	GSM: 850/1900 WCDMA: B2/4/5 LTE: B2/4/5/7/12/13/17/26/66/38/41 NR: n5/7/66/38/41
Antenna 1	2/3/4G LMHB TX Antenna 5G NR LMHB TX Antenna	GSM: 850/1900 WCDMA: B2/4/5 LTE: B2/4/5/7/12/13/17/26/66/38/41 NR:n5/7/66/38/41
Antenna 3	4G MHB TX Antenna 5G NR MHB TX Antenna	LTE: B7/66 NR: n7/66/41
Antenna 5	4G MHB TX Antenna	LTE: B2/7/66
Antenna 8	2.4G/5G TX Antenna Bluetooth TX Antenna	2.4G/5G WLAN Bluetooth
Antenna 9	2.4G/5G TX Antenna	2.4G/5G WLAN
Note1: WWAN TX antennas for certain frequency band can switch automatically, but only one antenna can transmit at same time. Note2: Middle and High frequency Band (MHB). Note3: Low frequency Band (LB).		

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.3	<25	<25	>25	<25	<25	>25
Ant.5	<25	<25	<25	>25	<25	>25
Ant.8	<25	<25	<25	>25	<25	>25
Ant.9	<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.

9.1 SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D01, Appendix A, <SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm> Table, this Device SAR test configurations consider as following :

ANT 0

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Data	33.50	2238.72	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Data	30.50	1122.02	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 13	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
n5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes

n7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	23.70	234.42	Yes	Yes	Yes	Yes	No	Yes
n66	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes
n38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes
n41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	24.20	263.03	Yes	Yes	Yes	Yes	No	Yes

ANT 1

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
GSM 850	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	Data	33.00	1995.26	Yes	Yes	Yes	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	Data	30.00	1000.00	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.00	199.53	Yes	Yes	Yes	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 13	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 17	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	Yes	No

LTE Band 66	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	Yes	Yes	Yes	No
n5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.70	234.42	Yes	Yes	Yes	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.20	208.93	Yes	Yes	Yes	Yes	Yes	No
n66	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.70	234.42	Yes	Yes	Yes	Yes	Yes	No
n38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.70	234.42	Yes	Yes	Yes	Yes	Yes	No
n41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	23.70	234.42	Yes	Yes	Yes	Yes	Yes	No

ANT 3

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	21.80	151.36	Yes	Yes	No	Yes	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	22.50	177.83	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	22.00	158.49	Yes	Yes	No	Yes	Yes	No
n66	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	22.50	177.83	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	22.50	177.83	Yes	Yes	No	Yes	Yes	No

ANT 5

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	QPSK	22.50	177.83	Yes	Yes	Yes	No	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	QPSK	21.50	141.25	Yes	Yes	Yes	No	Yes	No
LTE Band 66	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	QPSK	22.00	158.49	Yes	Yes	Yes	No	Yes	No

ANT 8

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11b	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11g	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT160)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE160)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No

	802.11ac(VHT80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT160)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE160)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11 ax (HE80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	BT	14.00	25.12	Yes	Yes	Yes	No	Yes	No

ANT 9

Band	Mode	Max. Peak Power		Test Position Configurations					
		dBm	mW	Head	Front/ Back	Left Edge	Right Edge	Top Edge	Bottom Edge
WLAN 2.4 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11b	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11g	19.00	79.43	Yes	Yes	No	Yes	Yes	No
	802.11n(HT20)	19.00	79.43	Yes	Yes	No	Yes	Yes	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT20)	19.00	79.43	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE20)	19.00	79.43	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE40)	19.00	79.43	Yes	Yes	No	Yes	Yes	No

WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11n(HT20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT160)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE80)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE160)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11n(HT20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE80)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11n(HT20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT160)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE80)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE160)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11n(HT20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11n(HT40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11ac(VHT80)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE20)	19.50	89.13	Yes	Yes	No	Yes	Yes	No
	802.11 ax (HE40)	19.50	89.13	Yes	Yes	No	Yes	Yes	No

	802.11 ax (HE80)	19.50	89.13	Yes	Yes	No	Yes	Yes	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D01, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
   a. f(GHz) is the RF channel transmit frequency in GHz
   b. Power and distance are rounded to the nearest mW and mm before calculation
   c. The result is rounded to one decimal place for comparison
   d. For < 50 mm distance, we just calculate mW of the exclusion threshold value (3.0) to do compare.
   This formula is [3.0] / [√f(GHz)] ·[(min. test separation distance, mm)] = exclusion threshold of mW.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
   a. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
   b. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz
6. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate
8. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
   a. When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.
   b. 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.
9. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
   a. 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.
   b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction	Mode	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	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State18	GPRS 2slots	Left Cheek	0	190	836.6	-0.15	0.344	28.84	29.50	1.164	0.400	/
	State18		Left Tilt	0	190	836.6	-0.06	0.331	28.84	29.50	1.164	0.385	/
	State18		Right Cheek	0	190	836.6	-0.02	0.507	28.84	29.50	1.164	**0.590**	1#
	State18		Right Tilt	0	190	836.6	-0.04	0.464	28.84	29.50	1.164	0.540	/
Ant.1	State20	GPRS 2slots	Left Cheek	0	190	836.6	0.09	0.202	26.37	27.00	1.156	0.234	/
	State20		Left Tilt	0	190	836.6	0.13	0.195	26.37	27.00	1.156	0.225	/
	State20		Right Cheek	0	190	836.6	-0.18	0.277	26.37	27.00	1.156	0.320	/
	State20		Right Tilt	0	190	836.6	0.08	0.263	26.37	27.00	1.156	0.304	/
Ant.0	State18&20	GPRS 2slots	Left Cheek	0	190	836.6	0.01	0.066	30.03	31.00	1.250	0.083	/
	State18&20		Left Tilt	0	190	836.6	-0.09	0.000	30.03	31.00	1.250	0.000	/
	State18&20		Right Cheek	0	190	836.6	0.04	0.048	30.03	31.00	1.250	0.060	/
	State18&20		Right Tilt	0	190	836.6	-0.13	0.000	30.03	31.00	1.250	0.000	/
Body-Worn													
Ant.1	State17	GPRS 2slots	Front Side	15	190	836.6	-0.12	0.103	29.72	31.00	1.343	0.138	/
	State17		Back Side	15	190	836.6	-0.06	0.140	29.72	31.00	1.343	**0.188**	2#
Ant.0	State17	GPRS 2slots	Front Side	15	190	836.6	-0.18	0.048	30.03	31.00	1.250	0.060	/
	State17		Back Side	15	190	836.6	-0.11	0.053	30.03	31.00	1.250	0.066	/
Hotspot													
Ant.1	State19	GPRS 2slots	Front Side	10	190	836.6	-0.07	0.168	29.72	31.00	1.343	0.226	/
	State19		Back Side	10	190	836.6	-0.18	0.222	29.72	31.00	1.343	**0.298**	3#
	State19		Left Edge	10	190	836.6	-0.04	0.102	29.72	31.00	1.343	0.137	/
	State19		Right Edge	10	190	836.6	-0.11	0.096	29.72	31.00	1.343	0.129	/
	State19		Top Edge	10	190	836.6	0.14	0.129	29.72	31.00	1.343	0.173	/
Ant.0	State19	GPRS 2slots	Front Side	10	190	836.6	-0.03	0.071	30.03	31.00	1.250	0.089	/
	State19		Back Side	10	190	836.6	0.10	0.089	30.03	31.00	1.250	0.111	/
	State19		Left Edge	10	190	836.6	-0.06	0.005	30.03	31.00	1.250	0.006	/
	State19		Right Edge	10	190	836.6	0.16	0.048	30.03	31.00	1.250	0.060	/
	State19		Bottom Edge	10	190	836.6	0.13	0.066	30.03	31.00	1.250	0.083	/

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

10.2 GSM 1900

Antenna	Power Reduction	Mode	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	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State18	GPRS 4slots	Left Cheek	0	661	1880.0	-0.06	0.175	18.28	18.50	1.052	0.184	/
	State18		Left Tilt	0	661	1880.0	-0.05	0.219	18.28	18.50	1.052	0.230	/
	State18		Right Cheek	0	661	1880.0	-0.16	0.231	18.28	18.50	1.052	0.243	/
	State18		Right Tilt	0	661	1880.0	-0.19	0.310	18.28	18.50	1.052	**0.326**	4#
Ant.1	State20	GPRS 4slots	Left Cheek	0	661	1880.0	-0.01	0.118	16.44	17.00	1.138	0.134	/
	State20		Left Tilt	0	661	1880.0	-0.18	0.161	16.44	17.00	1.138	0.183	/
	State20		Right Cheek	0	661	1880.0	0.00	0.172	16.44	17.00	1.138	0.196	/
	State20		Right Tilt	0	661	1880.0	-0.08	0.223	16.44	17.00	1.138	0.254	/
Ant.0	State18&20	GPRS 4slots	Left Cheek	0	661	1880.0	0.15	0.057	24.38	25.00	1.153	0.066	/
	State18&20		Left Tilt	0	661	1880.0	0.06	0.000	24.38	25.00	1.153	0.000	/
	State18&20		Right Cheek	0	661	1880.0	0.05	0.041	24.38	25.00	1.153	0.047	/
	State18&20		Right Tilt	0	661	1880.0	0.16	0.000	24.38	25.00	1.153	0.000	/
Body -Worn													
Ant.1	State17	GPRS 4slots	Front Side	15	661	1880.0	-0.03	0.092	22.37	22.50	1.030	0.095	/
	State17		Back Side	15	661	1880.0	-0.19	0.161	22.37	22.50	1.030	0.166	/
Ant.0	State17	GPRS 4slots	Front Side	15	661	1880.0	0.00	0.111	23.72	24.00	1.067	0.118	/
	State17		Back Side	15	661	1880.0	0.11	0.174	23.72	24.00	1.067	**0.186**	5#
Hotspot													
Ant.1	State19	GPRS 4slots	Front Side	10	661	1880.0	-0.03	0.102	18.82	20.00	1.312	0.134	/
	State19		Back Side	10	661	1880.0	0.12	0.175	18.82	20.00	1.312	0.230	/
	State19		Left Edge	10	661	1880.0	-0.02	0.003	18.82	20.00	1.312	0.004	/
	State19		Right Edge	10	661	1880.0	-0.05	0.018	18.82	20.00	1.312	0.024	/
	State19		Top Edge	10	661	1880.0	0.01	0.259	18.82	20.00	1.312	0.340	/
Ant.0	State19	GPRS 4slots	Front Side	10	661	1880.0	-0.11	0.161	21.86	22.00	1.033	0.166	/
	State19		Back Side	10	661	1880.0	0.14	0.228	21.86	22.00	1.033	0.235	/
	State19		Left Edge	10	661	1880.0	0.11	0.041	21.86	22.00	1.033	0.042	/
	State19		Right Edge	10	661	1880.0	-0.03	0.029	21.86	22.00	1.033	0.030	/
	State19		Bottom Edge	10	661	1880.0	-0.14	0.380	21.86	22.00	1.033	**0.392**	6#

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

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	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	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State18	RMC	Left Cheek	0	9400	1880.0	-0.01	0.402	15.72	16.50	1.197	0.481	/
	State18		Left Tilt	0	9400	1880.0	0.15	0.515	15.72	16.50	1.197	0.616	/
	State18		Right Cheek	0	9400	1880.0	0.14	0.588	15.72	16.50	1.197	0.704	/
	State18		Right Tilt	0	9400	1880.0	0.08	0.754	15.72	16.50	1.197	0.902	/
	State18			0	9262	1852.4	0.06	0.791	15.72	16.50	1.197	**0.947**	7#
	State18			0	9538	1907.6	-0.06	0.741	15.66	16.50	1.213	0.899	/
Ant.1	State20	RMC	Left Cheek	0	9400	1880.0	0.16	0.277	14.21	15.00	1.199	0.332	/
	State20		Left Tilt	0	9400	1880.0	0.17	0.371	14.21	15.00	1.199	0.445	/
	State20		Right Cheek	0	9400	1880.0	0.14	0.408	14.21	15.00	1.199	0.489	/
	State20		Right Tilt	0	9400	1880.0	0.03	0.523	14.21	15.00	1.199	0.627	/
Ant.0	State18&20	RMC	Left Cheek	0	9400	1880.0	0.01	0.119	23.51	24.00	1.119	0.133	/
	State18&20		Left Tilt	0	9400	1880.0	-0.15	0.064	23.51	24.00	1.119	0.072	/
	State18&20		Right Cheek	0	9400	1880.0	-0.14	0.093	23.51	24.00	1.119	0.104	/
	State18&20		Right Tilt	0	9400	1880.0	-0.14	0.088	23.51	24.00	1.119	0.099	/
Body -Worn													
Ant.1	State17	RMC	Front Side	15	9400	1880.0	0.05	0.074	18.16	19.00	1.213	0.090	/
	State17		Back Side	15	9400	1880.0	0.12	0.143	18.16	19.00	1.213	0.174	/
Ant.0	State17	RMC	Front Side	15	9400	1880.0	0.15	0.112	18.97	19.50	1.130	0.127	/
	State17		Back Side	15	9400	1880.0	0.03	0.165	18.97	19.50	1.130	**0.186**	8#
Hotspot													
Ant.1	State19	RMC	Front Side	10	9400	1880.0	-0.19	0.155	16.74	17.50	1.191	0.185	/
	State19		Back Side	10	9400	1880.0	-0.01	0.246	16.74	17.50	1.191	0.293	/
	State19		Left Edge	10	9400	1880.0	0.12	0.018	16.74	17.50	1.191	0.021	/
	State19		Right Edge	10	9400	1880.0	0.19	0.036	16.74	17.50	1.191	0.043	/
	State19		Top Edge	10	9400	1880.0	0.19	0.389	16.74	17.50	1.191	**0.463**	9#
Ant.0	State19	RMC	Front Side	10	9400	1880.0	-0.17	0.055	17.47	18.00	1.130	0.062	/
	State19		Back Side	10	9400	1880.0	0.11	0.084	17.47	18.00	1.130	0.095	/
	State19		Left Edge	10	9400	1880.0	0.09	0.016	17.47	18.00	1.130	0.018	/
	State19		Right Edge	10	9400	1880.0	-0.16	0.003	17.47	18.00	1.130	0.003	/
	State19		Bottom Edge	10	9400	1880.0	-0.04	0.121	17.47	18.00	1.130	0.137	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	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	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State18	RMC	Left Cheek	0	1412	1732.4	-0.18	0.316	15.90	16.50	1.148	0.363	/
	State18		Left Tilt	0	1412	1732.4	0.04	0.411	15.90	16.50	1.148	0.472	/

	State18		Right Cheek	0	1412	1732.4	-0.07	0.463	15.90	16.50	1.148	0.532	/
	State18		Right Tilt	0	1412	1732.4	0.01	0.594	15.90	16.50	1.148	**0.682**	10#
Ant.1	State20	RMC	Left Cheek	0	1412	1732.4	-0.17	0.231	14.41	15.00	1.146	0.265	/
	State20		Left Tilt	0	1412	1732.4	0.11	0.303	14.41	15.00	1.146	0.347	/
	State20		Right Cheek	0	1412	1732.4	0.16	0.316	14.41	15.00	1.146	0.362	/
	State20		Right Tilt	0	1412	1732.4	0.07	0.406	14.41	15.00	1.146	0.465	/
Ant.0	State18&20	RMC	Left Cheek	0	1412	1732.4	-0.09	0.086	23.53	24.00	1.114	0.096	/
	State18&20		Left Tilt	0	1412	1732.4	0.05	0.047	23.53	24.00	1.114	0.052	/
	State18&20		Right Cheek	0	1412	1732.4	-0.06	0.084	23.53	24.00	1.114	0.094	/
	State18&20		Right Tilt	0	1412	1732.4	0.11	0.047	23.53	24.00	1.114	0.052	/
Body -worn													
Ant.1	State17	RMC	Front Side	15	1412	1732.4	0.14	0.113	19.38	20.00	1.153	0.130	/
	State17		Back Side	15	1412	1732.4	-0.07	0.162	19.38	20.00	1.153	**0.187**	11#
Ant.0	State17	RMC	Front Side	15	1412	1732.4	0.09	0.055	20.96	21.50	1.132	0.062	/
	State17		Back Side	15	1412	1732.4	-0.18	0.071	20.96	21.50	1.132	0.080	/
Hotspot													
Ant.1	State19	RMC	Front Side	10	1412	1732.4	0.15	0.136	17.42	18.00	1.143	0.155	/
	State19		Back Side	10	1412	1732.4	0.00	0.211	17.42	18.00	1.143	0.241	/
	State19		Left Edge	10	1412	1732.4	0.11	0.019	17.42	18.00	1.143	0.022	/
	State19		Right Edge	10	1412	1732.4	0.13	0.028	17.42	18.00	1.143	0.032	/
	State19		Top Edge	10	1412	1732.4	0.08	0.286	17.42	18.00	1.143	**0.327**	12#
Ant.0	State19	RMC	Front Side	10	1412	1732.4	-0.03	0.064	17.97	18.50	1.130	0.072	/
	State19		Back Side	10	1412	1732.4	0.19	0.095	17.97	18.50	1.130	0.107	/
	State19		Left Edge	10	1412	1732.4	-0.02	0.021	17.97	18.50	1.130	0.024	/
	State19		Right Edge	10	1412	1732.4	-0.19	0.004	17.97	18.50	1.130	0.005	/
	State19		Bottom Edge	10	1412	1732.4	0.14	0.156	17.97	18.50	1.130	0.176	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA Band 5

Antenna	Power Reduction	Mode	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	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State18	RMC	Left Cheek	0	4182	836.4	0.02	0.511	21.97	22.50	1.130	0.577	/
	State18		Left Tilt	0	4182	836.4	0.03	0.482	21.97	22.50	1.130	0.545	/
	State18		Right Cheek	0	4182	836.4	0.10	0.733	21.97	22.50	1.130	0.828	/
	State18			0	4132	826.4	0.16	0.712	21.92	22.50	1.143	0.814	/
	State18			0	4233	846.6	-0.08	0.745	21.84	22.50	1.164	**0.867**	13#
	State18		Right Tilt	0	4182	836.4	-0.01	0.733	21.97	22.50	1.130	0.828	/
Ant.1	State20	RMC	Left Cheek	0	4182	836.4	0.11	0.276	19.46	20.00	1.132	0.313	/
	State20		Left Tilt	0	4182	836.4	0.12	0.273	19.46	20.00	1.132	0.309	/
	State20		Right Cheek	0	4182	836.4	-0.01	0.406	19.46	20.00	1.132	0.460	/
	State20		Right Tilt	0	4182	836.4	0.01	0.404	19.46	20.00	1.132	0.457	/
Ant.0	State18&20	RMC	Left Cheek	0	4182	836.4	-0.18	0.136	23.94	24.50	1.138	0.155	/

	State18&20		Left Tilt	0	4182	836.4	-0.04	0.066	23.94	24.50	1.138	0.075	/
	State18&20		Right Cheek	0	4182	836.4	0.13	0.104	23.94	24.50	1.138	0.118	/
	State18&20		Right Tilt	0	4182	836.4	-0.04	0.057	23.94	24.50	1.138	0.065	/
Body -Worn													
Ant.1	State17	RMC	Front Side	15	4182	836.4	-0.06	0.081	23.49	24.00	1.125	0.091	/
	State17		Back Side	15	4182	836.4	0.19	0.151	23.49	24.00	1.125	**0.170**	14#
Ant.0	State17	RMC	Front Side	15	4182	836.4	-0.08	0.074	23.94	24.50	1.138	0.084	/
	State17		Back Side	15	4182	836.4	-0.08	0.098	23.94	24.50	1.138	0.111	/
Hotspot													
Ant.1	State19	RMC	Front Side	10	4182	836.4	-0.07	0.115	21.97	22.50	1.130	0.130	/
	State19		Back Side	10	4182	836.4	-0.16	0.159	21.97	22.50	1.130	**0.180**	15#
	State19		Left Edge	10	4182	836.4	0.15	0.063	21.97	22.50	1.130	0.071	/
	State19		Right Edge	10	4182	836.4	-0.02	0.057	21.97	22.50	1.130	0.064	/
	State19		Top Edge	10	4182	836.4	0.19	0.128	21.97	22.50	1.130	0.145	/
Ant.0	State19	RMC	Front Side	10	4182	836.4	-0.01	0.095	23.94	24.50	1.138	0.108	/
	State19		Back Side	10	4182	836.4	0.02	0.112	23.94	24.50	1.138	0.127	/
	State19		Left Edge	10	4182	836.4	-0.03	0.051	23.94	24.50	1.138	0.058	/
	State19		Right Edge	10	4182	836.4	-0.10	0.088	23.94	24.50	1.138	0.100	/
	State19		Bottom Edge	10	4182	836.4	-0.06	0.089	23.94	24.50	1.138	0.101	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	18900	1880	1	Low	0.13	0.364	16.04	17.50	1.400	0.509	/
	State18			0	18900	1880	50	Low	0.00	0.367	16.11	17.50	1.377	0.505	/
	State18		Left Tilt	0	18900	1880	1	Low	-0.04	0.457	16.04	17.50	1.400	0.640	/
	State18			0	18900	1880	50	Low	-0.18	0.458	16.11	17.50	1.377	0.631	/
	State18		Right Cheek	0	18900	1880	1	Low	0.18	0.490	16.04	17.50	1.400	0.686	/
	State18			0	18900	1880	50	Low	0.02	0.496	16.11	17.50	1.377	0.683	/
	State18		Right Tilt	0	18900	1880	1	Low	-0.07	0.619	16.04	17.50	1.400	**0.866**	16#
	State18			0	18700	1860	1	Low	0.14	0.591	16.03	17.50	1.403	0.829	/
	State18			0	19100	1900	1	High	-0.11	0.603	15.93	17.50	1.435	0.866	/
	State18			0	18900	1880	50	Low	0.18	0.605	16.11	17.50	1.377	0.833	/
	State18			0	18700	1860	50	Mid	-0.06	0.600	16.05	17.50	1.396	0.838	/
	State18			0	19100	1900	50	Mid	-0.16	0.584	16.03	17.50	1.403	0.819	/
	State18			0	18900	1880	100	Low	0.01	0.592	15.92	17.50	1.439	0.852	/
Ant.1	State20	QPSK	Left Cheek	0	19100	1900	1	Low	-0.02	0.227	13.99	15.50	1.416	0.321	/
	State20			0	19100	1900	50	Low	-0.02	0.229	14.11	15.50	1.377	0.315	/
	State20		Left Tilt	0	19100	1900	1	Low	-0.14	0.285	16.04	17.50	1.400	0.399	/
	State20			0	19100	1900	50	Low	0.10	0.286	16.11	17.50	1.377	0.394	/
	State20		Right Cheek	0	19100	1900	1	Low	-0.12	0.306	16.04	17.50	1.400	0.428	/
	State20			0	19100	1900	50	Low	-0.06	0.305	16.11	17.50	1.377	0.420	/
	State20		Right Tilt	0	19100	1900	1	Low	-0.18	0.393	16.04	17.50	1.400	0.550	/
	State20			0	19100	1900	50	Low	0.05	0.400	16.03	17.50	1.403	0.561	/
Ant.0	State18&20	QPSK	Left Cheek	0	18900	1880	1	Low	-0.12	0.118	22.59	24.00	1.384	0.163	/
	State18&20			0	18900	1880	50	Low	-0.01	0.092	21.68	23.00	1.355	0.125	/
	State18&20		Left Tilt	0	18900	1880	1	Low	-0.17	0.048	22.59	24.00	1.384	0.066	/
	State18&20			0	18900	1880	50	Low	-0.15	0.041	21.68	23.00	1.355	0.056	/
	State18&20		Right Cheek	0	18900	1880	1	Low	0.04	0.085	22.59	24.00	1.384	0.118	/
	State18&20			0	18900	1880	50	Low	-0.06	0.067	21.68	23.00	1.355	0.091	/
	State18&20		Right Tilt	0	18900	1880	1	Low	0.19	0.063	22.59	24.00	1.384	0.087	/
	State18&20			0	18900	1880	50	Low	0.02	0.052	21.68	23.00	1.355	0.070	/
Ant.5	State18	QPSK	Left Cheek	0	18900	1880	1	Low	0.17	0.318	21.98	22.50	1.127	0.358	/
	State18			0	18900	1880	50	High	-0.09	0.243	21.15	21.50	1.084	0.263	/
	State18		Left Tilt	0	18900	1880	1	Low	-0.12	0.074	21.98	22.50	1.127	0.083	/
	State18			0	18900	1880	50	High	-0.18	0.054	21.15	21.50	1.084	0.059	/
	State18		Right Cheek	0	18900	1880	1	Low	-0.03	0.093	21.98	22.50	1.127	0.105	/
	State18			0	18900	1880	50	High	-0.05	0.072	21.15	21.50	1.084	0.078	/
	State18		Right Tilt	0	18900	1880	1	Low	0.09	0.061	21.98	22.50	1.127	0.069	/
	State18			0	18900	1880	50	High	0.03	0.043	21.15	21.50	1.084	0.047	/
Ant.5	State20	QPSK	Left Cheek	0	18900	1880	1	High	0.04	0.151	19.18	19.50	1.076	0.163	/
	State20			0	18900	1880	50	High	-0.15	0.150	19.23	19.50	1.064	0.160	/
	State20		Left Tilt	0	18900	1880	1	High	0.00	0.035	19.18	19.50	1.076	0.038	/

	State20			0	18900	1880	50	High	-0.05	0.032	19.23	19.50	1.064	0.034	/
	State20		Right Cheek	0	18900	1880	1	High	0.05	0.045	19.18	19.50	1.076	0.048	/
	State20			0	18900	1880	50	High	0.12	0.042	19.23	19.50	1.064	0.045	/
	State20		Right Tilt	0	18900	1880	1	High	-0.02	0.030	19.18	19.50	1.076	0.032	/
	State20			0	18900	1880	50	High	0.11	0.026	19.23	19.50	1.064	0.028	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	18900	1880	1	High	0.18	0.114	18.59	20.00	1.384	0.158	/
	State17			15	18900	1880	50	High	0.04	0.113	18.81	20.00	1.315	0.149	/
	State17		Back Side	15	18900	1880	1	High	0.11	0.202	18.59	20.00	1.384	0.279	/
	State17			15	18900	1880	50	High	-0.17	0.204	18.81	20.00	1.315	0.268	/
Ant.0	State17	QPSK	Front Side	15	18900	1880	1	Low	0.13	0.152	19.27	20.50	1.327	0.202	/
	State17			15	18900	1880	50	Low	0.19	0.153	19.40	20.50	1.288	0.197	/
	State17		Back Side	15	18900	1880	1	Low	-0.10	0.248	19.27	20.50	1.327	**0.329**	17#
	State17			15	18900	1880	50	Low	-0.10	0.221	19.40	20.50	1.288	0.285	/
Ant.0 (Only for ENDC)	State17	QPSK	Front Side	15	18900	1880	1	Low	-0.18	0.112	17.71	19.00	1.346	0.151	/
	State17			15	18900	1880	50	Low	-0.07	0.110	17.84	19.00	1.306	0.144	/
	State17		Back Side	15	18900	1880	1	Low	0.03	0.181	17.71	19.00	1.346	0.244	/
	State17			15	18900	1880	50	Low	0.18	0.175	17.84	19.00	1.306	0.229	/
Ant.5 (Only for ENDC)	State17	QPSK	Front Side	15	18900	1880	1	High	-0.08	0.023	21.98	22.50	1.127	0.026	/
	State17			15	18900	1880	50	Low	0.17	0.018	21.15	21.50	1.084	0.020	/
	State17		Back Side	15	18900	1880	1	High	-0.16	0.042	21.98	22.50	1.127	0.047	/
	State17			15	18900	1880	50	Low	-0.19	0.035	21.15	21.50	1.084	0.038	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	18900	1880	1	Low	-0.12	0.177	17.55	19.00	1.396	0.247	/
	State19			10	18900	1880	50	Low	0.08	0.181	17.62	19.00	1.374	0.249	/
	State19		Back Side	10	18900	1880	1	Low	0.15	0.292	17.55	19.00	1.396	0.408	/
	State19			10	18900	1880	50	Low	0.08	0.318	17.62	19.00	1.374	0.437	/
	State19		Left Edge	10	18900	1880	1	Low	0.12	0.023	17.55	19.00	1.396	0.032	/
	State19			10	18900	1880	50	Low	0.02	0.030	17.62	19.00	1.374	0.041	/
	State19		Right Edge	10	18900	1880	1	Low	0.14	0.048	17.55	19.00	1.396	0.067	/
	State19			10	18900	1880	50	Low	0.04	0.039	17.62	19.00	1.374	0.054	/
	State19		Top Edge	10	18900	1880	1	Low	0.07	0.400	17.55	19.00	1.396	**0.559**	18#
	State19			10	18900	1880	50	Low	0.09	0.402	17.62	19.00	1.374	0.552	/
Ant.0	State19	QPSK	Front Side	10	18900	1880	1	Low	0.09	0.182	17.71	19.00	1.346	0.245	/
	State19			10	18900	1880	50	Low	0.05	0.171	17.84	19.00	1.306	0.223	/
	State19		Back Side	10	18900	1880	1	Low	0.16	0.276	17.71	19.00	1.346	0.371	/
	State19			10	18900	1880	50	Low	0.14	0.265	17.84	19.00	1.306	0.346	/
	State19		Left Edge	10	18900	1880	1	Low	0.06	0.046	17.71	19.00	1.346	0.062	/
	State19			10	18900	1880	50	Low	-0.06	0.041	17.84	19.00	1.306	0.054	/
	State19		Right Edge	10	18900	1880	1	Low	0.15	0.035	17.71	19.00	1.346	0.047	/
	State19			10	18900	1880	50	Low	0.10	0.032	17.84	19.00	1.306	0.042	/
	State19		Bottom Edge	10	18900	1880	1	Low	-0.13	0.395	17.71	19.00	1.346	0.532	/
	State19			10	18900	1880	50	Low	0.19	0.367	17.84	19.00	1.306	0.479	/
Ant.0 (Only for ENDC)	State19	QPSK	Front Side	10	18900	1880	1	Mid	0.18	0.139	16.76	18.00	1.330	0.185	/
	State19			10	18900	1880	50	Low	-0.19	0.131	16.91	18.00	1.285	0.168	/

	State19		Back Side	10	18900	1880	1	Mid	-0.10	0.205	16.76	18.00	1.330	0.273	/
	State19			10	18900	1880	50	Low	-0.13	0.201	16.91	18.00	1.285	0.258	/
	State19		Left Edge	10	18900	1880	1	Mid	0.17	0.035	16.76	18.00	1.330	0.047	/
	State19			10	18900	1880	50	Low	0.19	0.034	16.91	18.00	1.285	0.044	/
	State19		Right Edge	10	18900	1880	1	Mid	0.16	0.026	16.76	18.00	1.330	0.035	/
	State19			10	18900	1880	50	Low	0.16	0.023	16.91	18.00	1.285	0.030	/
	State19		Bottom Edge	10	18900	1880	1	Mid	0.12	0.309	16.76	18.00	1.330	0.411	/
	State19			10	18900	1880	50	Low	0.03	0.301	16.91	18.00	1.285	0.387	/
Ant.5 (Only for ENDC)	State19	QPSK	Front Side	10	18900	1880	1	Low	0.09	0.044	19.18	19.50	1.076	0.047	/
	State19			10	18900	1880	50	Low	0.10	0.034	19.23	19.50	1.064	0.036	/
	State19		Back Side	10	18900	1880	1	Low	0.04	0.065	19.18	19.50	1.076	0.070	/
	State19			10	18900	1880	50	Low	0.18	0.057	19.23	19.50	1.064	0.061	/
	State19		Left Edge	10	18900	1880	1	Low	-0.10	0.091	19.18	19.50	1.076	0.098	/
	State19			10	18900	1880	50	Low	0.10	0.075	19.23	19.50	1.064	0.080	/
	State19		Right Edge	10	18900	1880	1	Low	0.07	0.000	19.18	19.50	1.076	0.000	/
	State19			10	18900	1880	50	Low	-0.02	0.000	19.23	19.50	1.064	0.000	/
	State19		Bottom Edge	10	18900	1880	1	Low	-0.10	0.000	19.18	19.50	1.076	0.000	/
	State19			10	18900	1880	100	Low	0.12	0.000	19.23	19.50	1.064	0.000	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	20175	1732.5	1	Low	-0.16	0.342	16.62	17.50	1.225	0.419	/
	State18			0	20175	1732.5	50	Low	-0.19	0.351	16.68	17.50	1.208	0.424	/
	State18		Left Tilt	0	20175	1732.5	1	Low	0.07	0.422	16.62	17.50	1.225	0.517	/
	State18			0	20175	1732.5	50	Low	0.16	0.436	16.68	17.50	1.208	0.527	/
	State18		Right Cheek	0	20175	1732.5	1	Low	-0.09	0.452	16.62	17.50	1.225	0.554	/
	State18			0	20175	1732.5	50	Low	0.04	0.468	16.68	17.50	1.208	0.565	/
	State18		Right Tilt	0	20175	1732.5	1	Low	0.13	0.525	16.62	17.50	1.225	**0.643**	19#
	State18			0	20175	1732.5	50	Low	-0.05	0.511	16.68	17.50	1.208	0.617	/
Ant.1	State20	QPSK	Left Cheek	0	20175	1732.5	1	Low	0.06	0.218	14.68	15.50	1.208	0.263	/
	State20			0	20175	1732.5	50	Low	0.01	0.224	14.78	15.50	1.180	0.264	/
	State20		Left Tilt	0	20175	1732.5	1	Low	-0.02	0.265	14.68	15.50	1.208	0.320	/
	State20			0	20175	1732.5	50	Low	-0.16	0.279	14.78	15.50	1.180	0.329	/
	State20		Right Cheek	0	20175	1732.5	1	Low	0.16	0.291	14.68	15.50	1.208	0.351	/
	State20			0	20175	1732.5	50	Low	-0.12	0.299	14.78	15.50	1.180	0.353	/
	State20		Right Tilt	0	20175	1732.5	1	Low	-0.18	0.365	14.68	15.50	1.208	0.441	/
	State20			0	20175	1732.5	50	Low	0.00	0.378	14.78	15.50	1.180	0.446	/
Ant.0	State18&20	QPSK	Left Cheek	0	20175	1732.5	1	Low	0.06	0.085	23.15	24.00	1.216	0.103	/
	State18&20			0	20175	1732.5	50	Low	0.10	0.069	22.26	24.00	1.493	0.103	/
	State18&20		Left Tilt	0	20175	1732.5	1	Low	-0.11	0.044	23.15	24.00	1.216	0.054	/

	State18&20			0	20175	1732.5	50	Low	-0.15	0.041	22.26	24.00	1.493	0.061	/
	State18&20		Right Cheek	0	20175	1732.5	1	Low	0.12	0.084	23.15	24.00	1.216	0.102	/
	State18&20			0	20175	1732.5	50	Low	0.19	0.067	22.26	24.00	1.493	0.100	/
	State18&20		Right Tilt	0	20175	1732.5	1	Low	-0.13	0.048	23.15	24.00	1.216	0.058	/
	State18&20			0	20175	1732.5	50	Low	-0.09	0.047	22.26	24.00	1.493	0.070	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	20175	1732.5	1	Low	0.13	0.118	19.69	20.50	1.205	0.142	/
	State17			15	20175	1732.5	50	Low	-0.03	0.120	19.79	20.50	1.178	0.141	/
	State17		Back Side	15	20175	1732.5	1	Low	0.04	0.163	19.69	20.50	1.205	**0.196**	20#
	State17			15	20175	1732.5	50	Low	-0.08	0.162	19.79	20.50	1.178	0.191	/
Ant.0	State17	QPSK	Front Side	15	20175	1732.5	1	Low	0.00	0.126	20.19	21.00	1.205	0.152	/
	State17			15	20175	1732.5	50	Low	-0.10	0.126	20.32	21.00	1.169	0.147	/
	State17		Back Side	15	20175	1732.5	1	Low	-0.19	0.162	20.19	21.00	1.205	0.195	/
	State17			15	20175	1732.5	50	Low	0.18	0.165	20.32	21.00	1.169	0.193	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	20175	1732.5	1	Low	-0.19	0.133	17.14	18.00	1.219	0.162	/
	State19			10	20175	1732.5	50	Low	-0.06	0.132	17.20	18.00	1.202	0.159	/
	State19		Back Side	10	20175	1732.5	1	Low	0.14	0.200	17.14	18.00	1.219	0.244	/
	State19			10	20175	1732.5	50	Low	-0.11	0.207	17.20	18.00	1.202	0.249	/
	State19		Left Edge	10	20175	1732.5	1	Low	-0.05	0.018	17.14	18.00	1.219	0.022	/
	State19			10	20175	1732.5	50	Low	-0.02	0.016	17.20	18.00	1.202	0.019	/
	State19		Right Edge	10	20175	1732.5	1	Low	-0.09	0.025	17.14	18.00	1.219	0.030	/
	State19			10	20175	1732.5	50	Low	-0.13	0.026	17.20	18.00	1.202	0.031	/
	State19		Top Edge	10	20175	1732.5	1	Low	-0.11	0.271	17.14	18.00	1.219	0.330	/
	State19			10	20175	1732.5	50	Low	0.09	0.274	17.20	18.00	1.202	0.329	/
Ant.0	State19	QPSK	Front Side	10	20175	1732.5	1	Low	0.04	0.153	18.20	19.00	1.202	0.184	/
	State19			10	20175	1732.5	50	Low	0.16	0.154	18.29	19.00	1.178	0.181	/
	State19		Back Side	10	20175	1732.5	1	Low	-0.03	0.214	18.20	19.00	1.202	0.257	/
	State19			10	20175	1732.5	50	Low	-0.17	0.220	18.29	19.00	1.178	0.259	/
	State19		Left Edge	10	20175	1732.5	1	Low	0.18	0.037	18.20	19.00	1.202	0.044	/
	State19			10	20175	1732.5	50	Low	-0.02	0.037	18.29	19.00	1.178	0.044	/
	State19		Right Edge	10	20175	1732.5	1	Low	-0.13	0.021	18.20	19.00	1.202	0.025	/
	State19			10	20175	1732.5	50	Low	0.11	0.020	18.29	19.00	1.178	0.024	/
	State19		Bottom Edge	10	20175	1732.5	1	Low	0.16	0.304	18.20	19.00	1.202	**0.365**	21#
	State19			10	20175	1732.5	50	Low	-0.19	0.308	18.29	19.00	1.178	0.363	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	20525	836.5	1	Low	0.01	0.467	21.78	22.50	1.180	0.551	/
	State18			0	20525	836.5	25	Low	-0.01	0.476	21.83	22.50	1.167	0.555	/

	State18		Left Tilt	0	20525	836.5	1	Low	0.03	0.439	21.78	22.50	1.180	0.518	/
	State18			0	20525	836.5	25	Low	0.05	0.452	21.83	22.50	1.167	0.527	/
	State18		Right Cheek	0	20525	836.5	1	Low	-0.15	0.616	21.78	22.50	1.180	0.727	/
	State18			0	20525	836.5	25	Low	0.03	0.625	21.83	22.50	1.167	0.729	/
	State18		Right Tilt	0	20525	836.5	1	Low	0.01	0.674	21.78	22.50	1.180	**0.796**	22#
	State18			0	20525	836.5	25	Low	-0.19	0.675	21.83	22.50	1.167	0.788	/
Ant.1	State20	QPSK	Left Cheek	0	20525	836.5	1	Low	0.14	0.293	19.68	20.50	1.208	0.354	/
	State20			0	20525	836.5	25	Mid	0.12	0.295	19.81	20.50	1.172	0.346	/
	State20		Left Tilt	0	20525	836.5	1	Low	0.11	0.274	19.68	20.50	1.208	0.331	/
	State20			0	20525	836.5	25	Mid	-0.06	0.282	19.81	20.50	1.172	0.331	/
	State20		Right Cheek	0	20525	836.5	1	Low	0.17	0.381	19.68	20.50	1.208	0.460	/
	State20			0	20525	836.5	25	Mid	-0.12	0.392	19.81	20.50	1.172	0.460	/
	State20		Right Tilt	0	20525	836.5	1	Low	0.12	0.400	19.68	20.50	1.208	0.483	/
	State20			0	20525	836.5	25	Mid	-0.16	0.420	19.81	20.50	1.172	0.492	/
Ant.1 (Only for ENDC)	State18	QPSK	Left Cheek	0	20525	836.5	1	Low	0.14	0.293	19.68	20.50	1.208	0.354	/
	State18			0	20525	836.5	25	Mid	0.12	0.295	19.81	20.50	1.172	0.346	/
	State18		Left Tilt	0	20525	836.5	1	Low	0.11	0.274	19.68	20.50	1.208	0.331	/
	State18			0	20525	836.5	25	Mid	-0.06	0.282	19.81	20.50	1.172	0.331	/
	State18		Right Cheek	0	20525	836.5	1	Low	0.17	0.381	19.68	20.50	1.208	0.460	/
	State18			0	20525	836.5	25	Mid	-0.12	0.392	19.81	20.50	1.172	0.460	/
	State18		Right Tilt	0	20525	836.5	1	Low	0.12	0.400	19.68	20.50	1.208	0.483	/
	State18			0	20525	836.5	25	Mid	-0.16	0.420	19.81	20.50	1.172	0.492	/
Ant.1 (Only for ENDC)	State20	QPSK	Left Cheek	0	20525	836.5	1	Low	-0.06	0.161	17.12	18.00	1.225	0.197	/
	State20			0	20525	836.5	25	Mid	0.14	0.162	17.22	18.00	1.197	0.194	/
	State20		Left Tilt	0	20525	836.5	1	Low	-0.10	0.148	17.12	18.00	1.225	0.181	/
	State20			0	20525	836.5	25	Mid	0.03	0.146	17.22	18.00	1.197	0.175	/
	State20		Right Cheek	0	20525	836.5	1	Low	-0.01	0.204	17.12	18.00	1.225	0.250	/
	State20			0	20525	836.5	25	Mid	-0.03	0.211	17.22	18.00	1.197	0.253	/
	State20		Right Tilt	0	20525	836.5	1	Low	0.03	0.216	17.12	18.00	1.225	0.265	/
	State20			0	20525	836.5	25	Mid	-0.15	0.225	17.22	18.00	1.197	0.269	/
Ant.0	State18&20	QPSK	Left Cheek	0	20525	836.5	1	Low	0.07	0.117	23.49	24.50	1.262	0.148	/
	State18&20			0	20525	836.5	25	Low	0.04	0.098	22.63	24.50	1.538	0.151	/
	State18&20		Left Tilt	0	20525	836.5	1	Low	0.09	0.058	23.49	24.50	1.262	0.073	/
	State18&20			0	20525	836.5	25	Low	0.11	0.048	22.63	24.50	1.538	0.074	/
	State18&20		Right Cheek	0	20525	836.5	1	Low	0.09	0.095	23.49	24.50	1.262	0.120	/
	State18&20			0	20525	836.5	25	Low	-0.15	0.078	22.63	24.50	1.538	0.120	/
	State18&20		Right Tilt	0	20525	836.5	1	Low	-0.04	0.055	23.49	24.50	1.262	0.069	/
	State18&20			0	20525	836.5	25	Low	-0.02	0.045	22.63	24.50	1.538	0.069	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	20525	836.5	1	Low	-0.10	0.092	23.17	24.00	1.211	0.111	/
	State17			15	20525	836.5	25	Low	-0.16	0.093	22.29	23.00	1.178	0.110	/
	State17		Back Side	15	20525	836.5	1	Low	-0.13	0.106	23.17	24.00	1.211	0.128	/
	State17			15	20525	836.5	25	Low	-0.16	0.111	22.29	23.00	1.178	0.131	/
Ant.0	State17	QPSK	Front Side	15	20525	836.5	1	Low	0.14	0.095	23.49	24.50	1.262	0.120	/
	State17			15	20525	836.5	25	Low	0.08	0.092	22.63	23.50	1.222	0.112	/

	State17		Back Side	15	20525	836.5	1	Low	-0.02	0.125	23.49	24.50	1.262	**0.158**	23#
	State17			15	20525	836.5	25	Low	-0.14	0.121	22.63	23.50	1.222	0.148	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	20525	836.5	1	Low	-0.18	0.146	22.65	23.00	1.084	0.158	/
	State19			10	20525	836.5	25	Low	-0.15	0.149	22.28	23.00	1.180	0.176	/
	State19		Back Side	10	20525	836.5	1	Low	0.05	0.194	22.65	23.00	1.084	**0.210**	24#
	State19			10	20525	836.5	25	Low	-0.15	0.175	22.28	23.00	1.180	0.207	/
	State19		Left Edge	10	20525	836.5	1	Low	-0.06	0.072	22.65	23.00	1.084	0.078	/
	State19			10	20525	836.5	25	Low	-0.06	0.072	22.28	23.00	1.180	0.085	/
	State19		Right Edge	10	20525	836.5	1	Low	0.13	0.078	22.65	23.00	1.084	0.085	/
	State19			10	20525	836.5	25	Low	-0.03	0.080	22.28	23.00	1.180	0.094	/
	State19		Top Edge	10	20525	836.5	1	Low	-0.14	0.171	22.65	23.00	1.084	0.185	/
	State19			10	20525	836.5	25	Low	0.06	0.173	22.28	23.00	1.180	0.204	/
Ant.0	State19	QPSK	Front Side	10	20525	836.5	1	Low	-0.07	0.108	23.49	24.50	1.262	0.136	/
	State19			10	20525	836.5	25	Low	0.15	0.087	22.63	23.50	1.222	0.106	/
	State19		Back Side	10	20525	836.5	1	Low	-0.02	0.132	23.49	24.50	1.262	0.167	/
	State19			10	20525	836.5	25	Low	-0.12	0.109	22.63	23.50	1.222	0.133	/
	State19		Left Edge	10	20525	836.5	1	Low	0.14	0.068	23.49	24.50	1.262	0.086	/
	State19			10	20525	836.5	25	Low	-0.04	0.058	22.63	23.50	1.222	0.071	/
	State19		Right Edge	10	20525	836.5	1	Low	0.18	0.092	23.49	24.50	1.262	0.116	/
	State19			10	20525	836.5	25	Low	-0.07	0.074	22.63	23.50	1.222	0.090	/
	State19		Bottom Edge	10	20525	836.5	1	Low	0.04	0.099	23.49	24.50	1.262	0.125	/
	State19			10	20525	836.5	25	Low	0.04	0.083	22.63	23.50	1.222	0.101	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	21100	2535	1	Low	-0.06	0.194	15.15	16.00	1.216	0.236	/
	State18			0	21100	2535	50	Low	-0.07	0.198	15.11	16.00	1.227	0.243	/
	State18		Left Tilt	0	21100	2535	1	Low	0.14	0.257	15.15	16.00	1.216	0.313	/
	State18			0	21100	2535	50	Low	0.04	0.261	15.11	16.00	1.227	0.320	/
	State18		Right Cheek	0	21100	2535	1	Low	-0.11	0.494	15.15	16.00	1.216	0.601	/
	State18			0	21100	2535	50	Low	0.00	0.506	15.11	16.00	1.227	0.621	/
	State18		Right Tilt	0	21100	2535	1	Low	0.09	0.596	15.15	16.00	1.216	**0.725**	25#
	State18			0	21100	2535	50	Low	-0.15	0.585	15.11	16.00	1.227	0.718	/
Ant.1	State20	QPSK	Left Cheek	0	21100	2535	1	Mid	0.17	0.131	13.67	14.50	1.211	0.159	/
	State20			0	21100	2535	50	High	0.08	0.134	13.79	14.50	1.178	0.158	/
	State20		Left Tilt	0	21100	2535	1	Mid	0.15	0.174	13.67	14.50	1.211	0.211	/
	State20			0	21100	2535	50	High	-0.04	0.177	13.79	14.50	1.178	0.208	/
	State20		Right Cheek	0	21100	2535	1	Mid	-0.04	0.335	13.67	14.50	1.211	0.406	/
	State20			0	21100	2535	50	High	0.00	0.350	13.79	14.50	1.178	0.412	/

	State20		Right Tilt	0	21100	2535	1	Mid	0.18	0.412	13.67	14.50	1.211	0.499	/
	State20			0	21100	2535	50	High	0.03	0.427	13.79	14.50	1.178	0.503	/
Ant.0	State18&20	QPSK	Left Cheek	0	21100	2535	1	Low	-0.15	0.192	22.59	23.50	1.233	0.237	/
	State18&20			0	21100	2535	50	Low	0.06	0.157	21.65	22.50	1.216	0.191	/
	State18&20		Left Tilt	0	21100	2535	1	Low	-0.10	0.130	22.59	23.50	1.233	0.160	/
	State18&20			0	21100	2535	50	Low	0.06	0.101	21.65	22.50	1.216	0.123	/
	State18&20		Right Cheek	0	21100	2535	1	Low	-0.19	0.345	22.59	23.50	1.233	0.425	/
	State18&20			0	21100	2535	50	Low	0.06	0.285	21.65	22.50	1.216	0.347	/
	State18&20		Right Tilt	0	21100	2535	1	Low	-0.16	0.209	22.59	23.50	1.233	0.258	/
	State18&20			0	21100	2535	50	Low	0.06	0.165	21.65	22.50	1.216	0.201	/
Ant.0(Only for ENDC)	State20	QPSK	Left Cheek	0	21100	2535	1	Low	-0.16	0.150	21.56	22.50	1.242	0.186	/
	State20			0	21100	2535	50	Low	0.14	0.148	21.58	22.50	1.236	0.183	/
	State20		Left Tilt	0	21100	2535	1	Low	-0.09	0.100	21.56	22.50	1.242	0.124	/
	State20			0	21100	2535	50	Low	0.04	0.103	21.58	22.50	1.236	0.127	/
	State20		Right Cheek	0	21100	2535	1	Low	0.00	0.271	21.56	22.50	1.242	0.336	/
	State20			0	21100	2535	50	Low	0.17	0.280	21.58	22.50	1.236	0.346	/
	State20		Right Tilt	0	21100	2535	1	Low	0.05	0.142	21.56	22.50	1.242	0.176	/
	State20			0	21100	2535	50	Low	0.00	0.146	21.58	22.50	1.236	0.180	/
Ant.3 (Only for ENDC)	State18	QPSK	Left Cheek	0	21100	2535	1	Low	-0.05	0.211	20.29	20.80	1.125	0.237	/
	State18			0	21100	2535	50	High	0.12	0.232	20.30	20.80	1.122	0.260	/
	State18		Left Tilt	0	21100	2535	1	Low	0.14	0.110	20.29	20.80	1.125	0.124	/
	State18			0	21100	2535	50	High	-0.16	0.113	20.30	20.80	1.122	0.127	/
	State18		Right Cheek	0	21100	2535	1	Low	0.08	0.409	20.29	20.80	1.125	0.460	/
	State18			0	21100	2535	50	High	0.14	0.479	20.30	20.80	1.122	0.537	/
	State18		Right Tilt	0	21100	2535	1	Low	0.12	0.136	20.29	20.80	1.125	0.153	/
	State18			0	21100	836.5	50	High	0.07	0.144	20.30	20.80	1.122	0.162	/
Ant.3 (Only for ENDC)	State20	QPSK	Left Cheek	0	21100	2535	1	Low	-0.08	0.132	18.25	18.80	1.135	0.150	/
	State20			0	21100	2535	50	High	0.17	0.141	18.28	18.80	1.127	0.159	/
	State20		Left Tilt	0	21100	2535	1	Low	-0.11	0.065	18.25	18.80	1.135	0.074	/
	State20			0	21100	2535	50	High	-0.09	0.070	18.28	18.80	1.127	0.079	/
	State20		Right Cheek	0	21100	2535	1	Low	-0.15	0.254	18.25	18.80	1.135	0.288	/
	State20			0	21100	2535	50	High	-0.14	0.300	18.28	18.80	1.127	0.338	/
	State20		Right Tilt	0	21100	2535	1	Low	0.09	0.086	18.25	18.80	1.135	0.098	/
	State20			0	21100	836.5	50	High	0.15	0.090	18.28	18.80	1.127	0.101	/
Ant.5 (Only for ENDC)	State18	QPSK	Left Cheek	0	21100	2535	1	Low	-0.12	0.401	21.08	21.50	1.102	0.442	/
	State18			0	21100	2535	50	High	0.04	0.314	20.17	20.50	1.079	0.339	/
	State18		Left Tilt	0	21100	2535	1	Low	0.07	0.072	21.08	21.50	1.102	0.079	/
	State18			0	21100	2535	50	High	0.03	0.056	20.17	20.50	1.079	0.060	/
	State18		Right Cheek	0	21100	2535	1	Low	-0.14	0.086	21.08	21.50	1.102	0.095	/
	State18			0	21100	2535	50	High	-0.16	0.070	20.17	20.50	1.079	0.076	/
	State18		Right Tilt	0	21100	2535	1	Low	-0.18	0.063	21.08	21.50	1.102	0.069	/
	State18			0	21100	836.5	50	High	-0.01	0.047	20.17	20.50	1.079	0.051	/
Ant.5 (Only for ENDC)	State20	QPSK	Left Cheek	0	21100	2535	1	Low	-0.09	0.200	18.15	18.50	1.084	0.217	/
	State20			0	21100	2535	50	High	-0.12	0.195	18.10	18.50	1.096	0.214	/
	State20		Left Tilt	0	21100	2535	1	Low	0.13	0.036	18.15	18.50	1.084	0.039	/

	State20			0	21100	2535	50	High	0.09	0.034	18.10	18.50	1.096	0.037	/
	State20		Right Cheek	0	21100	2535	1	Low	-0.01	0.043	18.15	18.50	1.084	0.047	/
	State20			0	21100	2535	50	High	-0.19	0.041	18.10	18.50	1.096	0.045	/
	State20		Right Tilt	0	21100	2535	1	Low	-0.11	0.032	18.15	18.50	1.084	0.035	/
	State20			0	21100	836.5	50	High	0.01	0.028	18.10	18.50	1.096	0.031	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	21100	2535	1	Low	-0.18	0.088	18.62	19.50	1.225	0.108	/
	State17			15	21100	2535	50	Low	-0.17	0.088	18.81	19.50	1.172	0.103	/
	State17		Back Side	15	21100	2535	1	Low	-0.10	0.180	18.62	19.50	1.225	0.220	/
	State17			15	21100	2535	50	Low	-0.07	0.183	18.81	19.50	1.172	0.215	/
Ant.0	State17	QPSK	Front Side	15	21100	2535	1	Low	-0.18	0.178	21.31	22.00	1.172	0.209	/
	State17			15	21100	2535	50	Low	0.18	0.172	21.39	22.00	1.151	0.198	/
	State17		Back Side	15	21100	2535	1	Low	0.04	0.207	21.31	22.00	1.172	**0.243**	26#
	State17			15	21100	2535	50	Low	0.14	0.193	21.39	22.00	1.151	0.222	/
Ant.3 (Only for ENDC)	State17	QPSK	Front Side	15	21100	2535	1	Low	0.04	0.078	21.26	21.80	1.132	0.088	/
	State17			15	21100	2535	50	High	-0.17	0.061	20.32	20.80	1.117	0.068	/
	State17		Back Side	15	21100	2535	1	Low	-0.11	0.100	21.26	21.80	1.132	0.113	/
	State17			15	21100	2535	50	High	0.12	0.084	20.32	20.80	1.117	0.094	/
Ant.5 (Only for ENDC)	State17	QPSK	Front Side	15	21100	2535	1	Low	0.19	0.047	21.08	21.50	1.102	0.052	/
	State17			15	21100	2535	50	High	-0.05	0.050	20.17	20.50	1.079	0.054	/
	State17		Back Side	15	21100	2535	1	Low	-0.18	0.086	21.08	21.50	1.102	0.095	/
	State17			15	21100	2535	50	High	-0.09	0.081	20.17	20.50	1.079	0.087	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	21100	2535	1	Low	0.17	0.118	16.53	17.50	1.250	0.148	/
	State19			10	21100	2535	50	Low	-0.13	0.120	16.71	17.50	1.199	0.144	/
	State19		Back Side	10	21100	2535	1	Low	-0.09	0.276	16.53	17.50	1.250	0.345	/
	State19			10	21100	2535	50	Low	0.04	0.285	16.71	17.50	1.199	0.342	/
	State19		Left Edge	10	21100	2535	1	Low	-0.05	0.000	16.53	17.50	1.250	0.000	/
	State19			10	21100	2535	50	Low	-0.04	0.000	16.71	17.50	1.199	0.000	/
	State19		Right Edge	10	21100	2535	1	Low	0.18	0.080	16.53	17.50	1.250	0.100	/
	State19			10	21100	2535	50	Low	-0.19	0.084	16.71	17.50	1.199	0.101	/
	State19		Top Edge	10	21100	2535	1	Low	-0.03	0.364	16.53	17.50	1.250	0.455	27#
	State19			10	21100	2535	50	Low	-0.15	0.352	16.71	17.50	1.199	0.422	/
Ant.0	State19	QPSK	Front Side	10	21100	2535	1	Low	0.04	0.240	19.27	20.00	1.183	0.284	/
	State19			10	21100	2535	50	Low	-0.15	0.228	19.34	20.00	1.164	0.265	/
	State19		Back Side	10	21100	2535	1	Low	-0.02	0.281	19.27	20.00	1.183	0.332	/
	State19			10	21100	2535	50	Low	0.14	0.271	19.34	20.00	1.164	0.315	/
	State19		Left Edge	10	21100	2535	1	Low	-0.05	0.111	19.27	20.00	1.183	0.131	/
	State19			10	21100	2535	50	Low	0.19	0.102	19.34	20.00	1.164	0.119	/
	State19		Right Edge	10	21100	2535	1	Low	0.06	0.044	19.27	20.00	1.183	0.052	/
	State19			10	21100	2535	50	Low	0.04	0.041	19.34	20.00	1.164	0.048	/
	State19		Bottom Edge	10	21100	2535	1	Low	0.15	0.152	19.27	20.00	1.183	0.180	/
	State19			10	21100	2535	50	Low	0.06	0.150	19.34	20.00	1.164	0.175	/
Ant.0(Only for ENDC)	State19	QPSK	Front Side	10	21100	2535	1	Low	-0.01	0.190	18.34	19.00	1.164	0.221	/
	State19			10	21100	2535	50	Low	-0.11	0.207	18.42	19.00	1.143	0.237	/

	State19		Back Side	10	21100	2535	1	Low	0.02	0.222	18.34	19.00	1.164	0.258	/
	State19			10	21100	2535	50	Low	-0.14	0.246	18.42	19.00	1.143	0.281	/
	State19		Left Edge	10	21100	2535	1	Low	-0.02	0.088	18.34	19.00	1.164	0.102	/
	State19			10	21100	2535	50	Low	0.01	0.093	18.42	19.00	1.143	0.106	/
	State19		Right Edge	10	21100	2535	1	Low	-0.10	0.035	18.34	19.00	1.164	0.041	/
	State19			10	21100	2535	50	Low	-0.09	0.037	18.42	19.00	1.143	0.042	/
	State19		Bottom Edge	10	21100	2535	1	Low	-0.07	0.120	18.34	19.00	1.164	0.140	/
	State19			10	21100	2535	50	Low	-0.01	0.136	18.42	19.00	1.143	0.155	/
Ant.3 (Only for ENDC)	State19	QPSK	Front Side	10	21100	2535	1	Low	-0.15	0.149	21.26	21.80	1.132	0.169	/
	State19			10	21100	2535	50	High	-0.06	0.120	20.32	20.80	1.117	0.134	/
	State19		Back Side	10	21100	2535	1	Low	-0.07	0.229	21.26	21.80	1.132	0.259	/
	State19			10	21100	2535	50	High	0.03	0.185	20.32	20.80	1.117	0.207	/
	State19		Left Edge	10	21100	2535	1	Low	0.07	0.000	21.26	21.80	1.132	0.000	/
	State19			10	21100	2535	50	High	0.08	0.000	20.32	20.80	1.117	0.000	/
	State19		Right Edge	10	21100	2535	1	Low	0.19	0.143	21.26	21.80	1.132	0.162	/
	State19			10	21100	2535	50	High	-0.10	0.115	20.32	20.80	1.117	0.128	/
	State19		Top Edge	10	21100	2535	1	Low	0.14	0.085	21.26	21.80	1.132	0.096	/
	State19			10	21100	2535	50	High	0.17	0.067	20.32	20.80	1.117	0.075	/
Ant.5 (Only for ENDC)	State19	QPSK	Front Side	10	21100	2535	1	Low	-0.13	0.051	21.08	21.50	1.102	0.056	/
	State19			10	21100	2535	50	High	-0.10	0.042	20.17	20.50	1.079	0.045	/
	State19		Back Side	10	21100	2535	1	Low	0.12	0.068	21.08	21.50	1.102	0.075	/
	State19			10	21100	2535	50	High	0.03	0.054	20.17	20.50	1.079	0.058	/
	State19		Left Edge	10	21100	2535	1	Low	0.13	0.000	21.08	21.50	1.102	0.000	/
	State19			10	21100	2535	50	High	-0.06	0.000	20.17	20.50	1.079	0.000	/
	State19		Right Edge	10	21100	2535	1	Low	-0.07	0.072	21.08	21.50	1.102	0.079	/
	State19			10	21100	2535	50	High	-0.05	0.058	20.17	20.50	1.079	0.063	/
	State19		Top Edge	10	21100	2535	1	Low	-0.13	0.000	21.08	21.50	1.102	0.000	/
	State19			10	21100	2535	50	High	0.05	0.000	20.17	20.50	1.079	0.000	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 LTE Band 7 (20MHz Bandwidth) Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.1	State18	QPSK	Right Tilt	0	21100 +20902	2535 +2515.2	1+1	Low+High	0.04	0.503	14.80	16.00	1.318	0.663	/
Body-worn-CA															
Ant.0	State17	QPSK	Back Side	15	21100 +20902	2535 +2515.2	1+1	Low+High	-0.06	0.171	20.97	22.00	1.268	0.217	/
Hotspot-CA															
Ant.1	State19	QPSK	Top Edge	10	21100 +20902	2535 +2515.2	1+1	Low+High	0.12	0.298	16.10	17.50	1.380	0.411	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	23095	707.5	1	Low	0.14	0.333	23.13	24.00	1.222	0.407	/
	State18			0	23095	707.5	25	Mid	0.11	0.276	22.27	23.00	1.183	0.327	/
	State18		Left Tilt	0	23095	707.5	1	Low	-0.09	0.325	23.13	24.00	1.222	0.397	/
	State18			0	23095	707.5	25	Mid	0.18	0.276	22.27	23.00	1.183	0.327	/
	State18		Right Cheek	0	23095	707.5	1	Low	0.17	0.504	23.13	24.00	1.222	0.616	/
	State18			0	23095	707.5	25	Mid	0.11	0.409	22.27	23.00	1.183	0.484	/
	State18		Right Tilt	0	23095	707.5	1	Low	-0.03	0.517	23.13	24.00	1.222	**0.632**	28#
	State18			0	23095	707.5	25	Mid	-0.13	0.401	22.27	23.00	1.183	0.474	/
Ant.1	State20	QPSK	Left Cheek	0	23095	707.5	1	Low	0.00	0.295	22.62	23.50	1.225	0.361	/
	State20			0	23095	707.5	25	Low	0.16	0.274	22.26	23.00	1.186	0.325	/
	State20		Left Tilt	0	23095	707.5	1	Low	-0.10	0.290	22.62	23.50	1.225	0.355	/
	State20			0	23095	707.5	25	Low	-0.13	0.277	22.26	23.00	1.186	0.328	/
	State20		Right Cheek	0	23095	707.5	1	Low	0.06	0.445	22.62	23.50	1.225	0.545	/
	State20			0	23095	707.5	25	Low	0.00	0.400	22.26	23.00	1.186	0.474	/
	State20		Right Tilt	0	23095	707.5	1	Low	-0.11	0.463	22.62	23.50	1.225	0.567	/
	State20			0	23095	707.5	25	Low	0.02	0.404	22.26	23.00	1.186	0.479	/
Ant.1 (Only for ENDC)	State18	QPSK	Left Cheek	0	23095	707.5	1	Low	0.01	0.259	22.11	23.00	1.227	0.318	/
	State18			0	23095	707.5	25	High	0.03	0.246	22.20	23.00	1.202	0.296	/
	State18		Left Tilt	0	23095	707.5	1	Low	-0.18	0.249	22.11	23.00	1.227	0.306	/
	State18			0	23095	707.5	25	High	0.17	0.241	22.20	23.00	1.202	0.290	/
	State18		Right Cheek	0	23095	707.5	1	Low	0.15	0.388	22.11	23.00	1.227	0.476	/
	State18			0	23095	707.5	25	High	-0.07	0.362	22.20	23.00	1.202	0.435	/
	State18		Right Tilt	0	23095	707.5	1	Low	0.09	0.404	22.11	23.00	1.227	0.496	/
	State18			0	23095	707.5	25	High	0.05	0.371	22.20	23.00	1.202	0.446	/
Ant.1 (Only for ENDC)	State20	QPSK	Left Cheek	0	23095	707.5	1	Low	-0.01	0.201	21.09	22.00	1.233	0.248	/
	State20			0	23095	707.5	25	High	0.15	0.193	21.19	22.00	1.205	0.233	/
	State20		Left Tilt	0	23095	707.5	1	Low	0.07	0.196	21.09	22.00	1.233	0.242	/
	State20			0	23095	707.5	25	High	0.07	0.188	21.19	22.00	1.205	0.227	/
	State20		Right Cheek	0	23095	707.5	1	Low	-0.14	0.302	21.09	22.00	1.233	0.372	/
	State20			0	23095	707.5	25	High	0.02	0.292	21.19	22.00	1.205	0.352	/
	State20		Right Tilt	0	23095	707.5	1	Low	-0.01	0.313	21.09	22.00	1.233	0.386	/
	State20			0	23095	707.5	25	High	0.12	0.302	21.19	22.00	1.205	0.364	/
Ant.0	State18&20	QPSK	Left Cheek	0	23095	707.5	1	Low	0.13	0.086	23.44	24.50	1.276	0.110	/
	State18&20			0	23095	707.5	25	Low	0.18	0.074	22.58	23.50	1.236	0.091	/
	State18&20		Left Tilt	0	23095	707.5	1	Low	-0.14	0.044	23.44	24.50	1.276	0.056	/
	State18&20			0	23095	707.5	25	Low	0.12	0.042	22.58	23.50	1.236	0.052	/
	State18&20		Right Cheek	0	23095	707.5	1	Low	0.15	0.067	23.44	24.50	1.276	0.086	/
	State18&20			0	23095	707.5	25	Low	-0.16	0.062	22.58	23.50	1.236	0.077	/
	State18&20		Right Tilt	0	23095	707.5	1	Low	-0.06	0.000	23.44	24.50	1.276	0.000	/
	State18&20			0	23095	707.5	25	Low	-0.09	0.000	22.58	23.50	1.236	0.000	/

Body-worn															
Ant.1	State17	QPSK	Front Side	15	23095	707.5	1	Low	-0.07	0.130	23.13	24.00	1.222	0.159	/
	State17			15	23095	707.5	25	Mid	-0.10	0.106	22.27	23.00	1.183	0.125	/
	State17		Back Side	15	23095	707.5	1	Low	0.00	0.171	23.13	24.00	1.222	**0.209**	29#
	State17			15	23095	707.5	25	Mid	-0.02	0.139	22.27	23.00	1.183	0.164	/
Ant.0	State17	QPSK	Front Side	15	23095	707.5	1	Low	-0.04	0.087	23.44	24.50	1.276	0.111	/
	State17			15	23095	707.5	25	Low	0.12	0.073	22.58	23.50	1.236	0.090	/
	State17		Back Side	15	23095	707.5	1	Low	-0.07	0.115	23.44	24.50	1.276	0.147	/
	State17			15	23095	707.5	25	Low	-0.07	0.097	22.58	23.50	1.236	0.120	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	23095	707.5	1	Low	0.08	0.097	23.13	24.00	1.222	0.119	/
	State19			10	23095	707.5	25	Mid	0.14	0.082	22.27	23.00	1.183	0.097	/
	State19		Back Side	10	23095	707.5	1	Low	-0.01	0.154	23.13	24.00	1.222	**0.188**	30#
	State19			10	23095	707.5	25	Mid	0.07	0.121	22.27	23.00	1.183	0.143	/
	State19		Left Edge	10	23095	707.5	1	Low	0.15	0.105	23.13	24.00	1.222	0.128	/
	State19			10	23095	707.5	25	Mid	-0.04	0.088	22.27	23.00	1.183	0.104	/
	State19		Right Edge	10	23095	707.5	1	Low	-0.04	0.135	23.13	24.00	1.222	0.165	/
	State19			10	23095	707.5	25	Mid	0.14	0.124	22.27	23.00	1.183	0.147	/
	State19		Top Edge	10	23095	707.5	1	Low	-0.04	0.083	23.13	24.00	1.222	0.101	/
	State19			10	23095	707.5	25	Mid	0.04	0.073	22.27	23.00	1.183	0.086	/
Ant.0	State19	QPSK	Front Side	10	23095	707.5	1	Low	-0.03	0.074	23.44	24.50	1.276	0.094	/
	State19			10	23095	707.5	25	Low	-0.04	0.062	22.58	23.50	1.236	0.077	/
	State19		Back Side	10	23095	707.5	1	Low	0.01	0.112	23.44	24.50	1.276	0.143	/
	State19			10	23095	707.5	25	Low	0.01	0.094	22.58	23.50	1.236	0.116	/
	State19		Left Edge	10	23095	707.5	1	Low	-0.15	0.044	23.44	24.50	1.276	0.056	/
	State19			10	23095	707.5	25	Low	-0.07	0.031	22.58	23.50	1.236	0.038	/
	State19		Right Edge	10	23095	707.5	1	Low	-0.15	0.080	23.44	24.50	1.276	0.102	/
	State19			10	23095	707.5	25	Low	-0.13	0.066	22.58	23.50	1.236	0.082	/
	State19		Bottom Edge	10	23095	707.5	1	Low	-0.08	0.084	23.44	24.50	1.276	0.107	/
	State19			10	23095	707.5	25	Low	0.19	0.070	22.58	23.50	1.236	0.087	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	23230	782	1	Low	-0.12	0.323	23.13	24.00	1.222	0.395	/
	State18			0	23230	782	25	Low	-0.03	0.267	22.25	23.00	1.189	0.317	/
	State18		Left Tilt	0	23230	782	1	Low	0.13	0.309	23.13	24.00	1.222	0.378	/
	State18			0	23230	782	25	Low	0.19	0.255	22.25	23.00	1.189	0.303	/
	State18		Right Cheek	0	23230	782	1	Low	-0.01	0.470	23.13	24.00	1.222	0.574	/
	State18			0	23230	782	25	Low	-0.04	0.375	22.25	23.00	1.189	0.446	/
	State18		Right Tilt	0	23230	782	1	Low	-0.01	0.498	23.13	24.00	1.222	**0.608**	31#

	State18			0	23230	782	25	Low	0.01	0.403	22.25	23.00	1.189	0.479	/
Ant.1	State20	QPSK	Left Cheek	0	23230	782	1	Mid	-0.06	0.257	22.10	23.00	1.230	0.316	/
	State20			0	23230	782	25	Low	0.11	0.263	22.21	23.00	1.199	0.315	/
	State20		Left Tilt	0	23230	782	1	Mid	-0.08	0.246	22.10	23.00	1.230	0.303	/
	State20			0	23230	782	25	Low	0.07	0.250	22.21	23.00	1.199	0.300	/
	State20		Right Cheek	0	23230	782	1	Mid	0.16	0.374	22.10	23.00	1.230	0.460	/
	State20			0	23230	782	25	Low	0.12	0.375	22.21	23.00	1.199	0.450	/
	State20		Right Tilt	0	23230	782	1	Mid	-0.18	0.396	22.10	23.00	1.230	0.487	/
	State20			0	23230	782	25	Low	-0.11	0.401	22.21	23.00	1.199	0.481	/
Ant.0	State18&20	QPSK	Left Cheek	0	23230	782	1	Low	-0.10	0.098	23.41	24.50	1.285	0.126	/
	State18&20			0	23230	782	25	Low	0.18	0.077	22.57	23.50	1.239	0.095	/
	State18&20		Left Tilt	0	23230	782	1	Low	-0.13	0.048	23.41	24.50	1.285	0.062	/
	State18&20			0	23230	782	25	Low	-0.11	0.043	22.57	23.50	1.239	0.053	/
	State18&20		Right Cheek	0	23230	782	1	Low	0.01	0.074	23.41	24.50	1.285	0.095	/
	State18&20			0	23230	782	25	Low	-0.19	0.055	22.57	23.50	1.239	0.068	/
	State18&20		Right Tilt	0	23230	782	1	Low	0.11	0.000	23.41	24.50	1.285	0.000	/
	State18&20			0	23230	782	25	Low	0.07	0.000	22.57	23.50	1.239	0.000	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	23230	782	1	Low	-0.03	0.066	23.13	24.00	1.222	0.081	/
	State17			15	23230	782	25	Low	0.02	0.082	22.25	23.00	1.189	0.097	/
	State17		Back Side	15	23230	782	1	Low	0.03	0.096	23.13	24.00	1.222	0.117	/
	State17			15	23230	782	25	Low	-0.18	0.077	22.25	23.00	1.189	0.092	/
Ant.0	State17	QPSK	Front Side	15	23230	782	1	Low	0.08	0.126	23.41	24.50	1.285	0.162	/
	State17			15	23230	782	25	Low	0.05	0.095	22.57	23.50	1.239	0.118	/
	State17		Back Side	15	23230	782	1	Low	0.02	0.153	23.41	24.50	1.285	**0.197**	32#
	State17			15	23230	782	25	Low	0.09	0.125	22.57	23.50	1.239	0.155	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	23230	782	1	Low	-0.06	0.095	23.13	24.00	1.222	0.116	/
	State19			10	23230	782	25	Low	-0.06	0.078	22.25	23.00	1.189	0.093	/
	State19		Back Side	10	23230	782	1	Low	0.02	0.134	23.13	24.00	1.222	**0.164**	33#
	State19			10	23230	782	25	Low	-0.17	0.112	22.25	23.00	1.189	0.133	/
	State19		Left Edge	10	23230	782	1	Low	0.06	0.071	23.13	24.00	1.222	0.087	/
	State19			10	23230	782	25	Low	0.08	0.054	22.25	23.00	1.189	0.064	/
	State19		Right Edge	10	23230	782	1	Low	-0.04	0.089	23.13	24.00	1.222	0.109	/
	State19			10	23230	782	25	Low	0.07	0.072	22.25	23.00	1.189	0.086	/
	State19		Top Edge	10	23230	782	1	Low	-0.16	0.101	23.13	24.00	1.222	0.123	/
	State19			10	23230	782	25	Low	0.10	0.083	22.25	23.00	1.189	0.099	/
Ant.0	State19	QPSK	Front Side	10	23230	782	1	Low	-0.15	0.112	23.41	24.50	1.285	0.144	/
	State19			10	23230	782	25	Low	-0.16	0.094	22.57	23.50	1.239	0.116	/
	State19		Back Side	10	23230	782	1	Low	0.02	0.119	23.41	24.50	1.285	0.153	/
	State19			10	23230	782	25	Low	-0.07	0.095	22.57	23.50	1.239	0.118	/
	State19		Left Edge	10	23230	782	1	Low	0.14	0.000	23.41	24.50	1.285	0.000	/
	State19			10	23230	782	25	Low	-0.04	0.000	22.57	23.50	1.239	0.000	/
	State19		Right Edge	10	23230	782	1	Low	-0.19	0.070	23.41	24.50	1.285	0.090	/
	State19			10	23230	782	25	Low	0.18	0.055	22.57	23.50	1.239	0.068	/

	State19		Bottom Edge	10	23230	782	1	Low	0.18	0.103	23.41	24.50	1.285	0.132	/
	State19			10	23230	782	25	Low	-0.16	0.091	22.57	23.50	1.239	0.113	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	23790	710	1	Low	-0.03	0.302	23.18	24.00	1.208	0.365	/
	State18			0	23790	710	25	Low	0.03	0.245	22.31	23.00	1.172	0.287	/
	State18		Left Tilt	0	23790	710	1	Low	0.17	0.296	23.18	24.00	1.208	0.358	/
	State18			0	23790	710	25	Low	0.13	0.242	22.31	23.00	1.172	0.284	/
	State18		Right Cheek	0	23790	710	1	Low	-0.11	0.456	23.18	24.00	1.208	0.551	/
	State18			0	23790	710	25	Low	-0.17	0.364	22.31	23.00	1.172	0.427	/
	State18		Right Tilt	0	23790	710	1	Low	0.16	0.488	23.18	24.00	1.208	0.589	34#
	State18			0	23790	710	25	Low	0.09	0.398	22.31	23.00	1.172	0.467	/
Ant.1	State20	QPSK	Left Cheek	0	23790	710	1	Low	-0.01	0.270	22.63	23.50	1.222	0.330	/
	State20			0	23790	710	25	Low	0.16	0.243	22.25	23.00	1.189	0.289	/
	State20		Left Tilt	0	23790	710	1	Low	0.14	0.265	22.63	23.50	1.222	0.324	/
	State20			0	23790	710	25	Low	-0.16	0.240	22.25	23.00	1.189	0.285	/
	State20		Right Cheek	0	23790	710	1	Low	0.11	0.408	22.63	23.50	1.222	0.498	/
	State20			0	23790	710	25	Low	-0.09	0.361	22.25	23.00	1.189	0.429	/
	State20		Right Tilt	0	23790	710	1	Low	0.09	0.435	22.63	23.50	1.222	0.531	/
	State20			0	23790	710	25	Low	-0.14	0.392	22.25	23.00	1.189	0.466	/
Ant.0	State18&20	QPSK	Left Cheek	0	23790	710	1	Low	-0.13	0.091	23.49	24.50	1.262	0.115	/
	State18&20			0	23790	710	25	Low	-0.07	0.074	22.60	23.50	1.230	0.091	/
	State18&20		Left Tilt	0	23790	710	1	Low	-0.03	0.046	23.49	24.50	1.262	0.058	/
	State18&20			0	23790	710	25	Low	-0.15	0.043	22.60	23.50	1.230	0.053	/
	State18&20		Right Cheek	0	23790	710	1	Low	-0.03	0.064	23.49	24.50	1.262	0.081	/
	State18&20			0	23790	710	25	Low	0.15	0.054	22.60	23.50	1.230	0.066	/
	State18&20		Right Tilt	0	23790	710	1	Low	-0.04	0.000	23.49	24.50	1.262	0.000	/
	State18&20			0	23790	710	25	Low	-0.15	0.000	22.60	23.50	1.230	0.000	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	23790	710	1	Low	0.01	0.136	23.18	24.00	1.208	0.164	/
	State17			15	23790	710	25	Low	-0.06	0.109	22.31	23.00	1.172	0.128	/
	State17		Back Side	15	23790	710	1	Low	-0.02	0.171	23.18	24.00	1.208	**0.207**	35#
	State17			15	23790	710	25	Low	-0.01	0.137	22.31	23.00	1.172	0.161	/
Ant.0	State17	QPSK	Front Side	15	23790	710	1	Low	-0.11	0.093	23.49	24.50	1.262	0.117	/
	State17			15	23790	710	25	Low	-0.04	0.078	22.60	23.50	1.230	0.096	/
	State17		Back Side	15	23790	710	1	Low	-0.18	0.122	23.49	24.50	1.262	0.154	/
	State17			15	23790	710	25	Low	0.08	0.102	22.60	23.50	1.230	0.125	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	23790	710	1	Low	-0.11	0.110	23.18	24.00	1.208	0.133	/

	State19			10	23790	710	25	Low	-0.11	0.089	22.31	23.00	1.172	0.104	/
	State19		Back Side	10	23790	710	1	Low	0.06	0.155	23.18	24.00	1.208	**0.187**	36#
	State19			10	23790	710	25	Low	-0.02	0.132	22.31	23.00	1.172	0.155	/
	State19		Left Edge	10	23790	710	1	Low	0.08	0.104	23.18	24.00	1.208	0.126	/
	State19			10	23790	710	25	Low	0.15	0.084	22.31	23.00	1.172	0.098	/
	State19		Right Edge	10	23790	710	1	Low	0.16	0.136	23.18	24.00	1.208	0.164	/
	State19			10	23790	710	25	Low	-0.10	0.118	22.31	23.00	1.172	0.138	/
	State19		Top Edge	10	23790	710	1	Low	0.10	0.090	23.18	24.00	1.208	0.109	/
	State19			10	23790	710	25	Low	-0.08	0.074	22.31	23.00	1.172	0.087	/
Ant.0	State19	QPSK	Front Side	10	23790	710	1	Low	-0.19	0.078	23.49	24.50	1.262	0.098	/
	State19			10	23790	710	25	Low	-0.18	0.066	22.60	23.50	1.230	0.081	/
	State19		Back Side	10	23790	710	1	Low	-0.10	0.116	23.49	24.50	1.262	0.146	/
	State19			10	23790	710	25	Low	0.10	0.098	22.60	23.50	1.230	0.121	/
	State19		Left Edge	10	23790	710	1	Low	0.03	0.000	23.49	24.50	1.262	0.000	/
	State19			10	23790	710	25	Low	0.18	0.000	22.60	23.50	1.230	0.000	/
	State19		Right Edge	10	23790	710	1	Low	0.06	0.077	23.49	24.50	1.262	0.097	/
	State19			10	23790	710	25	Low	0.03	0.062	22.60	23.50	1.230	0.076	/
	State19		Bottom Edge	10	23790	710	1	Low	-0.17	0.084	23.49	24.50	1.262	0.106	/
	State19			10	23790	710	25	Low	0.15	0.067	22.60	23.50	1.230	0.082	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.14 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	26865	831.5	1	Low	-0.07	0.441	22.16	23.00	1.213	0.535	/
	State18			0	26865	831.5	36	Low	-0.10	0.486	22.24	23.00	1.191	0.579	/
	State18		Left Tilt	0	26865	831.5	1	Low	0.08	0.422	22.16	23.00	1.213	0.512	/
	State18			0	26865	831.5	36	Low	-0.11	0.467	22.24	23.00	1.191	0.556	/
	State18		Right Cheek	0	26865	831.5	1	Low	-0.09	0.571	22.16	23.00	1.213	0.693	/
	State18			0	26865	831.5	36	Low	-0.13	0.615	22.24	23.00	1.191	0.733	/
	State18		Right Tilt	0	26865	831.5	1	Low	-0.07	0.668	22.16	23.00	1.213	0.811	/
	State18			0	26765	821.5	1	Low	0.18	0.634	22.09	23.00	1.233	0.782	/
	State18			0	26965	841.5	1	Low	-0.15	0.693	22.14	23.00	1.219	**0.845**	37#
	State18			0	26865	831.5	36	Low	0.19	0.708	22.24	23.00	1.191	0.843	/
	State18			0	26765	821.5	36	High	-0.09	0.687	22.22	23.00	1.197	0.822	/
	State18			0	26965	841.5	36	Mid	-0.12	0.680	22.19	23.00	1.205	0.819	/
	State18			0	26865	831.5	75	Low	0.05	0.682	22.23	23.00	1.194	0.814	/
Ant.1	State20	QPSK	Left Cheek	0	26865	831.5	1	Low	0.13	0.301	20.16	21.00	1.213	0.365	/
	State20			0	26865	831.5	36	Low	0.17	0.319	20.27	21.00	1.183	0.377	/
	State20		Left Tilt	0	26865	831.5	1	Low	-0.03	0.290	20.16	21.00	1.213	0.352	/
	State20			0	26865	831.5	36	Low	0.11	0.315	20.27	21.00	1.183	0.373	/
	State20		Right Cheek	0	26865	831.5	1	Low	-0.09	0.374	20.16	21.00	1.213	0.454	/

	State20			0	26865	831.5	36	Low	0.10	0.388	20.27	21.00	1.183	0.459	/
	State20		Right Tilt	0	26865	831.5	1	Low	0.10	0.409	20.16	21.00	1.213	0.496	/
	State20			0	26765	821.5	1	Low	-0.10	0.434	20.27	21.00	1.183	0.513	/
Ant.1 (Only for ENDC)	State18	QPSK	Left Cheek	0	26865	831.5	1	Low	0.04	0.261	19.61	20.50	1.227	0.320	/
	State18			0	26865	831.5	36	Low	0.10	0.256	19.73	20.50	1.194	0.306	/
	State18		Left Tilt	0	26865	831.5	1	Low	0.04	0.261	19.61	20.50	1.227	0.320	/
	State18			0	26865	831.5	36	Low	0.07	0.259	19.73	20.50	1.194	0.309	/
	State18		Right Cheek	0	26865	831.5	1	Low	-0.16	0.323	19.61	20.50	1.227	0.396	/
	State18			0	26865	831.5	36	Low	-0.09	0.332	19.73	20.50	1.194	0.396	/
	State18		Right Tilt	0	26865	831.5	1	Low	-0.07	0.358	19.61	20.50	1.227	0.439	/
	State18			0	26865	821.5	1	Low	0.13	0.379	19.73	20.50	1.194	0.453	/
Ant.1 (Only for ENDC)	State20	QPSK	Left Cheek	0	26865	831.5	1	Low	0.07	0.179	18.14	19.00	1.219	0.218	/
	State20			0	26865	831.5	36	Low	-0.14	0.175	18.23	19.00	1.194	0.209	/
	State20		Left Tilt	0	26865	831.5	1	Low	0.05	0.182	18.14	19.00	1.219	0.222	/
	State20			0	26865	831.5	36	Low	0.17	0.181	18.23	19.00	1.194	0.216	/
	State20		Right Cheek	0	26865	831.5	1	Low	-0.08	0.218	18.14	19.00	1.219	0.266	/
	State20			0	26865	831.5	36	Low	-0.10	0.221	18.23	19.00	1.194	0.264	/
	State20		Right Tilt	0	26865	831.5	1	Low	-0.16	0.262	18.14	19.00	1.219	0.319	/
	State20			0	26865	821.5	1	Low	0.18	0.265	18.23	19.00	1.194	0.316	/
Ant.0	State18&20	QPSK	Left Cheek	0	26865	831.5	1	Low	-0.05	0.100	23.56	24.50	1.242	0.124	/
	State18&20			0	26865	831.5	36	Low	-0.11	0.086	22.61	23.50	1.227	0.106	/
	State18&20		Left Tilt	0	26865	831.5	1	Low	-0.18	0.049	23.56	24.50	1.242	0.061	/
	State18&20			0	26865	831.5	36	Low	0.11	0.045	22.61	23.50	1.227	0.055	/
	State18&20		Right Cheek	0	26865	831.5	1	Low	-0.05	0.088	23.56	24.50	1.242	0.109	/
	State18&20			0	26865	831.5	36	Low	0.09	0.073	22.61	23.50	1.227	0.090	/
	State18&20		Right Tilt	0	26865	831.5	1	Low	0.15	0.042	23.56	24.50	1.242	0.052	/
	State18&20			0	26865	831.5	36	Low	-0.06	0.000	22.61	23.50	1.227	0.000	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	26865	831.5	1	Low	0.10	0.081	23.12	24.00	1.225	0.099	/
	State17			15	26865	831.5	36	Low	-0.09	0.070	22.27	23.00	1.183	0.083	/
	State17		Back Side	15	26865	831.5	1	Low	0.04	0.113	23.12	24.00	1.225	**0.138**	38#
	State17			15	26865	831.5	36	Low	0.02	0.094	22.27	23.00	1.183	0.111	/
Ant.0	State17	QPSK	Front Side	15	26865	831.5	1	Low	0.07	0.073	23.56	24.50	1.242	0.091	/
	State17			15	26865	831.5	36	Low	0.08	0.068	22.61	23.50	1.227	0.083	/
	State17		Back Side	15	26865	831.5	1	Low	-0.12	0.094	23.56	24.50	1.242	0.117	/
	State17			15	26865	831.5	36	Low	0.04	0.086	22.61	23.50	1.227	0.106	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	26865	831.5	1	Low	0.01	0.134	22.67	23.50	1.211	0.162	/
	State19			10	26865	831.5	36	Low	0.08	0.125	22.27	23.00	1.183	0.148	/
	State19		Back Side	10	26865	831.5	1	Low	0.03	0.188	22.67	23.50	1.211	**0.228**	39#
	State19			10	26865	831.5	36	Low	-0.14	0.172	22.27	23.00	1.183	0.203	/
	State19		Left Edge	10	26865	831.5	1	Low	-0.09	0.059	22.67	23.50	1.211	0.071	/
	State19			10	26865	831.5	36	Low	-0.02	0.052	22.27	23.00	1.183	0.061	/
	State19		Right Edge	10	26865	831.5	1	Low	-0.01	0.067	22.67	23.50	1.211	0.081	/
	State19			10	26865	831.5	36	Low	-0.15	0.058	22.27	23.00	1.183	0.069	/

	State19		Top Edge	10	26865	831.5	1	Low	-0.11	0.150	22.67	23.50	1.211	0.181	/
	State19			10	26865	831.5	36	Low	-0.19	0.141	22.27	23.00	1.183	0.167	/
Ant.0	State19	QPSK	Front Side	10	26865	831.5	1	Low	-0.14	0.094	23.56	24.50	1.242	0.117	/
	State19			10	26865	831.5	36	Low	-0.17	0.081	22.61	23.50	1.227	0.099	/
	State19		Back Side	10	26865	831.5	1	Low	-0.02	0.120	23.56	24.50	1.242	0.149	/
	State19			10	26865	831.5	36	Low	-0.06	0.101	22.61	23.50	1.227	0.124	/
	State19		Left Edge	10	26865	831.5	1	Low	0.10	0.000	23.56	24.50	1.242	0.000	/
	State19			10	26865	831.5	36	Low	-0.18	0.000	22.61	23.50	1.227	0.000	/
	State19		Right Edge	10	26865	831.5	1	Low	0.06	0.051	23.56	24.50	1.242	0.063	/
	State19			10	26865	831.5	36	Low	-0.12	0.067	22.61	23.50	1.227	0.082	/
	State19		Bottom Edge	10	26865	831.5	1	Low	0.19	0.089	23.56	24.50	1.242	0.111	/
	State19			10	26865	831.5	36	Low	0.04	0.078	22.61	23.50	1.227	0.096	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.15 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	132322	1745	1	High	-0.05	0.384	16.13	17.00	1.222	0.469	/
	State18			0	132322	1745	50	High	-0.05	0.391	16.20	17.00	1.202	0.470	/
	State18		Left Tilt	0	132322	1745	1	High	0.14	0.477	16.13	17.00	1.222	0.583	/
	State18			0	132322	1745	50	High	-0.18	0.482	16.20	17.00	1.202	0.579	/
	State18		Right Cheek	0	132322	1745	1	High	0.19	0.517	16.13	17.00	1.222	0.632	/
	State18			0	132322	1745	50	High	0.01	0.520	16.20	17.00	1.202	0.625	/
	State18		Right Tilt	0	132322	1745	1	High	-0.05	0.650	16.13	17.00	1.222	**0.794**	40#
	State18			0	132322	1745	50	High	-0.07	0.660	16.20	17.00	1.202	0.793	/
Ant.1 (Only for ENDC)	State18	QPSK	Left Cheek	0	132322	1745	1	High	-0.12	0.331	15.63	16.50	1.222	0.404	/
	State18			0	132322	1745	50	High	0.10	0.336	15.63	16.50	1.222	0.411	/
	State18		Left Tilt	0	132322	1745	1	High	0.12	0.416	15.63	16.50	1.222	0.508	/
	State18			0	132322	1745	50	High	0.03	0.421	15.63	16.50	1.222	0.514	/
	State18		Right Cheek	0	132322	1745	1	High	-0.13	0.472	15.63	16.50	1.222	0.577	/
	State18			0	132322	1745	50	High	-0.18	0.468	15.63	16.50	1.222	0.572	/
	State18		Right Tilt	0	132322	1745	1	High	-0.16	0.565	15.63	16.50	1.222	0.690	/
	State18			0	132322	1745	50	High	0.03	0.571	15.63	16.50	1.222	0.698	/
Ant.1	State20	QPSK	Left Cheek	0	132322	1745	1	High	-0.05	0.274	14.68	15.50	1.208	0.331	/
	State20			0	132322	1745	50	High	-0.13	0.280	14.72	15.50	1.197	0.335	/
	State20		Left Tilt	0	132322	1745	1	High	0.01	0.341	14.68	15.50	1.208	0.412	/
	State20			0	132322	1745	50	High	-0.07	0.345	14.72	15.50	1.197	0.413	/
	State20		Right Cheek	0	132322	1745	1	High	-0.01	0.369	14.68	15.50	1.208	0.446	/
	State20			0	132322	1745	50	High	0.02	0.376	14.72	15.50	1.197	0.450	/
	State20		Right Tilt	0	132322	1745	1	High	0.19	0.464	14.68	15.50	1.208	0.560	/
	State20			0	132322	1745	50	High	0.14	0.480	14.72	15.50	1.197	0.574	/
Ant.0	State18&20	QPSK	Left Cheek	0	132322	1745	1	Low	0.10	0.089	23.15	24.00	1.216	0.108	/

	State18&20			0	132322	1745	50	Low	-0.16	0.072	22.27	23.00	1.183	0.085	/
	State18&20		Left Tilt	0	132322	1745	1	Low	-0.08	0.045	23.15	24.00	1.216	0.055	/
	State18&20			0	132322	1745	50	Low	-0.09	0.000	22.27	23.00	1.183	0.000	/
	State18&20		Right Cheek	0	132322	1745	1	Low	0.13	0.076	23.15	24.00	1.216	0.092	/
	State18&20			0	132322	1745	50	Low	0.02	0.065	22.27	23.00	1.183	0.077	/
	State18&20		Right Tilt	0	132322	1745	1	Low	0.12	0.043	23.15	24.00	1.216	0.052	/
	State18&20			0	132322	1745	50	Low	0.03	0.000	22.27	23.00	1.183	0.000	/
Ant.3 (Only for ENDC)	State18&20	QPSK	Left Cheek	0	132322	1745	1	High	0.04	0.134	21.56	22.50	1.242	0.166	/
	State18&20			0	132322	1745	50	High	0.08	0.105	20.69	21.50	1.205	0.127	/
	State18&20		Left Tilt	0	132322	1745	1	High	0.02	0.075	21.56	22.50	1.242	0.093	/
	State18&20			0	132322	1745	50	High	-0.10	0.055	20.69	21.50	1.205	0.066	/
	State18&20		Right Cheek	0	132322	1745	1	High	0.07	0.257	21.56	22.50	1.242	0.319	/
	State18&20			0	132322	1745	50	High	-0.09	0.208	20.69	21.50	1.205	0.251	/
	State18&20		Right Tilt	0	132322	1745	1	High	0.08	0.076	21.56	22.50	1.242	0.094	/
	State18&20			0	132322	1745	50	High	-0.09	0.059	20.69	21.50	1.205	0.071	/
Ant.5 (Only for ENDC)	State18	QPSK	Left Cheek	0	132322	1745	1	Low	0.11	0.323	21.55	22.00	1.109	0.358	/
	State18			0	132322	1745	50	Low	-0.06	0.315	20.68	21.00	1.076	0.339	/
	State18		Left Tilt	0	132322	1745	1	Low	-0.18	0.064	21.55	22.00	1.109	0.071	/
	State18			0	132322	1745	50	Low	0.06	0.063	20.68	21.00	1.076	0.068	/
	State18		Right Cheek	0	132322	1745	1	Low	-0.07	0.086	21.55	22.00	1.109	0.095	/
	State18			0	132322	1745	50	Low	-0.11	0.083	20.68	21.00	1.076	0.089	/
	State18		Right Tilt	0	132322	1745	1	Low	-0.10	0.054	21.55	22.00	1.109	0.060	/
	State18			0	132322	1745	50	Low	-0.12	0.051	20.68	21.00	1.076	0.055	/
Ant.5 (Only for ENDC)	State20	QPSK	Left Cheek	0	132322	1745	1	Low	0.16	0.158	18.50	19.00	1.122	0.177	/
	State20			0	132322	1745	50	Low	-0.13	0.151	18.59	19.00	1.099	0.166	/
	State20		Left Tilt	0	132322	1745	1	Low	0.02	0.035	18.50	19.00	1.122	0.039	/
	State20			0	132322	1745	50	Low	-0.08	0.033	18.59	19.00	1.099	0.036	/
	State20		Right Cheek	0	132322	1745	1	Low	-0.16	0.046	18.50	19.00	1.122	0.052	/
	State20			0	132322	1745	50	Low	-0.19	0.042	18.59	19.00	1.099	0.046	/
	State20		Right Tilt	0	132322	1745	1	Low	-0.04	0.028	18.50	19.00	1.122	0.031	/
	State20			0	132322	1745	50	Low	0.09	0.026	18.59	19.00	1.099	0.029	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	132322	1745	1	Low	0.14	0.120	19.68	20.50	1.208	0.145	/
	State17			15	132322	1745	50	Low	-0.03	0.120	19.75	20.50	1.189	0.143	/
	State17		Back Side	15	132322	1745	1	Low	0.15	0.169	19.68	20.50	1.208	**0.204**	41#
	State17			15	132322	1745	50	Low	0.08	0.165	19.75	20.50	1.189	0.196	/
Ant.1 (Only for ENDC)	State17	QPSK	Front Side	15	132322	1745	1	Low	0.07	0.103	19.10	20.00	1.230	0.127	/
	State17			15	132322	1745	50	Low	-0.02	0.101	19.22	20.00	1.197	0.121	/
	State17		Back Side	15	132322	1745	1	Low	0.10	0.148	19.10	20.00	1.230	0.182	/
	State17			15	132322	1745	50	Low	-0.05	0.144	19.22	20.00	1.197	0.172	/
Ant.0	State17	QPSK	Front Side	15	132322	1745	1	Low	-0.10	0.112	20.30	21.00	1.175	0.132	/
	State17			15	132322	1745	50	Low	0.02	0.115	20.32	21.00	1.169	0.134	/
	State17		Back Side	15	132322	1745	1	Low	-0.05	0.169	20.30	21.00	1.175	0.199	/
	State17			15	132322	1745	50	Low	0.19	0.160	20.32	21.00	1.169	0.187	/
	State17	QPSK	Front Side	15	132322	1745	1	High	-0.09	0.096	19.72	20.50	1.197	0.115	/

Ant.0 (Only for ENDC)	State17			15	132322	1745	50	High	0.19	0.101	19.79	20.50	1.178	0.119	/
	State17		Back Side	15	132322	1745	1	High	0.10	0.148	19.72	20.50	1.197	0.177	/
	State17			15	132322	1745	50	High	0.12	0.145	19.79	20.50	1.178	0.171	/
Ant.3 (Only for ENDC)	State17	QPSK	Front Side	15	132322	1745	1	High	-0.04	0.000	21.56	22.50	1.242	0.000	/
	State17			15	132322	1745	50	High	0.10	0.000	20.69	21.50	1.205	0.000	/
	State17		Back Side	15	132322	1745	1	High	-0.13	0.080	21.56	22.50	1.242	0.099	/
	State17			15	132322	1745	50	High	-0.06	0.061	20.69	21.50	1.205	0.074	/
Ant.5 (Only for ENDC)	State17	QPSK	Front Side	15	132322	1745	1	Low	-0.02	0.000	21.55	22.00	1.109	0.000	/
	State17			15	132322	1745	50	Low	0.17	0.000	20.68	21.00	1.076	0.000	/
	State17		Back Side	15	132322	1745	1	Low	0.01	0.038	21.55	22.00	1.109	0.042	/
	State17			15	132322	1745	50	Low	0.11	0.035	20.68	21.00	1.076	0.038	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	132322	1745	1	Low	0.09	0.135	18.16	19.00	1.213	0.164	/
	State19			10	132322	1745	50	Low	0.07	0.132	18.21	19.00	1.199	0.158	/
	State19		Back Side	10	132322	1745	1	Low	-0.09	0.212	18.16	19.00	1.213	0.257	/
	State19			10	132322	1745	50	Low	0.09	0.206	18.21	19.00	1.199	0.247	/
	State19		Left Edge	10	132322	1745	1	Low	0.11	0.000	18.16	19.00	1.213	0.000	/
	State19			10	132322	1745	50	Low	0.05	0.000	18.21	19.00	1.199	0.000	/
	State19		Right Edge	10	132322	1745	1	Low	-0.07	0.038	18.16	19.00	1.213	0.046	/
	State19			10	132322	1745	50	Low	0.17	0.036	18.21	19.00	1.199	0.043	/
	State19		Top Edge	10	132322	1745	1	Low	0.11	0.312	18.16	19.00	1.213	0.379	/
	State19			10	132322	1745	50	Low	0.02	0.321	18.21	19.00	1.199	0.385	/
Ant.1(Only for ENDC)	State19	QPSK	Front Side	10	132322	1745	1	Low	-0.12	0.123	17.21	18.00	1.199	0.148	/
	State19			10	132322	1745	50	Low	0.07	0.124	17.22	18.00	1.197	0.148	/
	State19		Back Side	10	132322	1745	1	Low	0.09	0.183	17.21	18.00	1.199	0.220	/
	State19			10	132322	1745	50	Low	0.04	0.188	17.22	18.00	1.197	0.225	/
	State19		Left Edge	10	132322	1745	1	Low	0.04	0.000	17.21	18.00	1.199	0.000	/
	State19			10	132322	1745	50	Low	-0.06	0.000	17.22	18.00	1.197	0.000	/
	State19		Right Edge	10	132322	1745	1	Low	0.12	0.032	17.21	18.00	1.199	0.038	/
	State19			10	132322	1745	50	Low	-0.13	0.033	17.22	18.00	1.197	0.039	/
	State19		Top Edge	10	132322	1745	1	Low	-0.11	0.269	17.21	18.00	1.199	0.323	/
	State19			10	132322	1745	50	Low	-0.13	0.277	17.22	18.00	1.197	0.331	/
Ant.0	State19	QPSK	Front Side	10	132322	1745	1	Low	0.05	0.161	18.68	19.50	1.208	0.194	/
	State19			10	132322	1745	50	Low	-0.11	0.155	18.77	19.50	1.183	0.183	/
	State19		Back Side	10	132322	1745	1	Low	0.14	0.231	18.68	19.50	1.208	0.279	/
	State19			10	132322	1745	50	Low	0.09	0.221	18.77	19.50	1.183	0.261	/
	State19		Left Edge	10	132322	1745	1	Low	-0.03	0.036	18.68	19.50	1.208	0.043	/
	State19			10	132322	1745	50	Low	-0.07	0.034	18.77	19.50	1.183	0.040	/
	State19		Right Edge	10	132322	1745	1	Low	0.00	0.025	18.68	19.50	1.208	0.030	/
	State19			10	132322	1745	50	Low	0.10	0.023	18.77	19.50	1.183	0.027	/
	State19		Bottom Edge	10	132322	1745	1	Low	0.16	0.372	18.68	19.50	1.208	**0.449**	42#
	State19			10	132322	1745	50	Low	0.13	0.365	18.77	19.50	1.183	0.432	/
Ant.0 (Only for ENDC)	State19	QPSK	Front Side	10	132322	1745	1	Low	0.01	0.141	18.23	19.00	1.194	0.168	/
	State19			10	132322	1745	50	Low	-0.03	0.132	18.27	19.00	1.183	0.156	/
	State19		Back Side	10	132322	1745	1	Low	-0.13	0.203	18.23	19.00	1.194	0.242	/

	State19			10	132322	1745	50	Low	-0.14	0.189	18.27	19.00	1.183	0.224	/
	State19		Left Edge	10	132322	1745	1	Low	0.14	0.031	18.23	19.00	1.194	0.037	/
	State19			10	132322	1745	50	Low	-0.19	0.028	18.27	19.00	1.183	0.033	/
	State19		Right Edge	10	132322	1745	1	Low	0.18	0.023	18.23	19.00	1.194	0.027	/
	State19			10	132322	1745	50	Low	-0.14	0.021	18.27	19.00	1.183	0.025	/
	State19		Bottom Edge	10	132322	1745	1	Low	-0.10	0.342	18.23	19.00	1.194	0.408	/
	State19			10	132322	1745	50	Low	0.12	0.310	18.27	19.00	1.183	0.367	/
Ant.3 (Only for ENDC)	State19	QPSK	Front Side	10	132322	1745	1	High	-0.04	0.067	21.56	22.50	1.242	0.083	/
	State19			10	132322	1745	50	High	0.10	0.051	20.69	21.50	1.205	0.061	/
	State19		Back Side	10	132322	1745	1	High	0.14	0.169	21.56	22.50	1.242	0.210	/
	State19			10	132322	1745	50	High	0.01	0.135	20.69	21.50	1.205	0.163	/
	State19		Left Edge	10	132322	1745	1	High	-0.15	0.000	21.56	22.50	1.242	0.000	/
	State19			10	132322	1745	50	High	-0.10	0.000	20.69	21.50	1.205	0.000	/
	State19		Right Edge	10	132322	1745	1	High	0.10	0.186	21.56	22.50	1.242	0.231	/
	State19			10	132322	1745	50	High	-0.03	0.129	20.69	21.50	1.205	0.155	/
	State19		Top Edge	10	132322	1745	1	High	-0.18	0.000	21.56	22.50	1.242	0.000	/
	State19			10	132572	1770	50	High	0.11	0.000	20.69	21.50	1.205	0.000	/
Ant.5 (Only for ENDC)	State19	QPSK	Front Side	10	132322	1745	1	Low	0.17	0.045	21.55	22.00	1.109	0.050	/
	State19			10	132322	1745	50	Low	0.00	0.041	20.68	21.00	1.076	0.044	/
	State19		Back Side	10	132322	1745	1	Low	0.06	0.061	21.55	22.00	1.109	0.068	/
	State19			10	132322	1745	50	Low	0.17	0.046	20.68	21.00	1.076	0.050	/
	State19		Left Edge	10	132322	1745	1	Low	-0.15	0.079	21.55	22.00	1.109	0.088	/
	State19			10	132322	1745	50	Low	-0.07	0.065	20.68	21.00	1.076	0.070	/
	State19		Right Edge	10	132322	1745	1	Low	-0.19	0.000	21.55	22.00	1.109	0.000	/
	State19			10	132322	1745	50	Low	0.04	0.000	20.68	21.00	1.076	0.000	/
	State19		Top Edge	10	132322	1745	1	Low	0.11	0.000	21.55	22.00	1.109	0.000	/
	State19			10	132572	1770	50	Low	-0.09	0.000	20.68	21.00	1.076	0.000	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.16 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	38000	2595	1	Low	-0.19	0.221	16.66	17.50	1.213	0.268	/
	State18			0	38000	2595	50	Low	0.09	0.231	16.79	17.50	1.178	0.272	/
	State18		Left Tilt	0	38000	2595	1	Low	0.10	0.283	16.66	17.50	1.213	0.343	/
	State18			0	38000	2595	50	Low	-0.19	0.296	16.79	17.50	1.178	0.349	/
	State18		Right Cheek	0	38000	2595	1	Low	0.15	0.582	16.66	17.50	1.213	0.706	/
	State18			0	38000	2595	50	Low	-0.13	0.608	16.79	17.50	1.178	0.716	/
	State18		Right Tilt	0	38000	2595	1	Low	-0.14	0.657	16.66	17.50	1.213	**0.797**	43#
	State18			0	38000	2595	50	Low	-0.04	0.660	16.79	17.50	1.178	0.777	/
Ant.1	State20	QPSK	Left Cheek	0	38000	2595	1	Low	0.11	0.178	15.19	16.00	1.205	0.214	/
	State20			0	38000	2595	50	Low	-0.03	0.185	15.29	16.00	1.178	0.218	/

	State20		Left Tilt	0	38000	2595	1	Low	0.15	0.228	15.19	16.00	1.205	0.275	/
	State20			0	38000	2595	50	Low	-0.18	0.235	15.29	16.00	1.178	0.277	/
	State20		Right Cheek	0	38000	2595	1	Low	-0.09	0.462	15.19	16.00	1.205	0.557	/
	State20			0	38000	2595	50	Low	-0.10	0.480	15.29	16.00	1.178	0.565	/
	State20		Right Tilt	0	38000	2595	1	Low	-0.06	0.516	15.19	16.00	1.205	0.622	/
	State20			0	38000	2595	50	Low	-0.06	0.520	15.29	16.00	1.178	0.612	/
Ant.0	State18&20	QPSK	Left Cheek	0	38000	2595	1	Low	0.16	0.122	22.96	24.00	1.271	0.155	/
	State18&20			0	38000	2595	50	Low	0.03	0.105	22.10	23.00	1.230	0.129	/
	State18&20		Left Tilt	0	38000	2595	1	Low	-0.05	0.066	22.96	24.00	1.271	0.084	/
	State18&20			0	38000	2595	50	Low	-0.12	0.054	22.10	23.00	1.230	0.066	/
	State18&20		Right Cheek	0	38000	2595	1	Low	-0.01	0.184	22.96	24.00	1.271	0.234	/
	State18&20			0	38000	2595	50	Low	-0.08	0.152	22.10	23.00	1.230	0.187	/
	State18&20		Right Tilt	0	38000	2595	1	Low	0.16	0.106	22.96	24.00	1.271	0.135	/
	State18&20			0	38000	2595	50	Low	-0.04	0.088	22.10	23.00	1.230	0.108	/
Body-worn															
Ant.1	State17	QPSK	Front Side	15	38000	2595	1	Low	0.05	0.082	20.27	21.00	1.183	0.097	/
	State17			15	38000	2595	50	Low	-0.10	0.085	20.37	21.00	1.156	0.098	/
	State17		Back Side	15	38000	2595	1	Low	0.08	0.179	20.27	21.00	1.183	0.212	/
	State17			15	38000	2595	50	Low	-0.15	0.180	20.37	21.00	1.156	0.208	/
Ant.0	State17	QPSK	Front Side	15	38000	2595	1	Low	-0.07	0.183	22.96	24.00	1.271	0.233	/
	State17			15	38000	2595	50	Low	-0.16	0.146	22.10	23.00	1.230	0.180	/
	State17		Back Side	15	38000	2595	1	Low	-0.10	0.190	22.96	24.00	1.271	**0.241**	44#
	State17			15	38000	2595	50	Low	-0.05	0.151	22.10	23.00	1.230	0.186	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	38000	2595	1	Low	0.11	0.143	19.27	20.00	1.183	0.169	/
	State19			10	38000	2595	50	Low	-0.05	0.135	19.34	20.00	1.164	0.157	/
	State19		Back Side	10	38000	2595	1	Low	0.05	0.306	19.27	20.00	1.183	0.362	/
	State19			10	38000	2595	50	Low	-0.04	0.288	19.34	20.00	1.164	0.335	/
	State19		Left Edge	10	38000	2595	1	Low	-0.04	0.000	19.27	20.00	1.183	0.000	/
	State19			10	38000	2595	50	Low	-0.01	0.000	19.34	20.00	1.164	0.000	/
	State19		Right Edge	10	38000	2595	1	Low	-0.09	0.080	19.27	20.00	1.183	0.095	/
	State19			10	38000	2595	50	Low	-0.04	0.074	19.34	20.00	1.164	0.086	/
	State19		Top Edge	10	38000	2595	1	Low	0.08	0.407	19.27	20.00	1.183	**0.481**	45#
	State19			10	38000	2595	50	Low	0.08	0.382	19.34	20.00	1.164	0.445	/
Ant.0	State19	QPSK	Front Side	10	38000	2595	1	Low	0.19	0.370	22.96	24.00	1.271	0.470	/
	State19			10	38000	2595	50	Low	-0.17	0.292	22.10	23.00	1.230	0.359	/
	State19		Back Side	10	38000	2595	1	Low	0.11	0.375	22.96	24.00	1.271	0.476	/
	State19			10	38000	2595	50	Low	0.14	0.307	22.10	23.00	1.230	0.378	/
	State19		Left Edge	10	38000	2595	1	Low	0.18	0.166	22.96	24.00	1.271	0.211	/
	State19			10	38000	2595	50	Low	0.02	0.140	22.10	23.00	1.230	0.172	/
	State19		Right Edge	10	38000	2595	1	Low	-0.18	0.062	22.96	24.00	1.271	0.079	/
	State19			10	38000	2595	50	Low	-0.02	0.050	22.10	23.00	1.230	0.062	/
	State19		Bottom Edge	10	38000	2595	1	Low	-0.19	0.255	22.96	24.00	1.271	0.324	/
	State19			10	38000	2595	50	Low	-0.13	0.211	22.10	23.00	1.230	0.260	/

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

10.17 LTE Band 38 (20MHz Bandwidth) Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.1	State18	QPSK	Right Tilt	0	37901 +38099	2585.1 +2604.9	1+1	High+Low	-0.16	0.570	16.27	17.50	1.327	0.757	/
Body-worn-CA															
Ant.0	State17	QPSK	Back Side	15	37901 +38099	2585.1 +2604.9	1+1	High+Low	0.03	0.159	22.59	24.00	1.384	0.220	/
Hotspot-CA															
Ant.1	State19	QPSK	Top Edge	10	37901 +38099	2585.1 +2604.9	1+1	High+Low	0.10	0.332	18.79	20.00	1.321	0.439	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.18 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State18	QPSK	Left Cheek	0	40620	2593	1	Low	-0.13	0.221	16.94	17.50	1.138	0.251	/
	State18			0	40620	2593	50	Low	0.00	0.221	16.87	17.50	1.156	0.256	/
	State18		Left Tilt	0	40620	2593	1	Low	-0.14	0.289	16.94	17.50	1.138	0.329	/
	State18			0	40620	2593	50	Low	0.12	0.287	16.87	17.50	1.156	0.332	/
	State18		Right Cheek	0	40620	2593	1	Low	-0.12	0.592	16.94	17.50	1.138	0.673	/
	State18			0	40620	2593	50	Low	-0.12	0.602	16.87	17.50	1.156	0.696	/
	State18		Right Tilt	0	40620	2593	1	Low	0.07	0.695	16.94	17.50	1.138	**0.791**	46#
	State18			0	40620	2593	50	Low	0.08	0.680	16.87	17.50	1.156	0.786	/
Ant.1	State20	QPSK	Left Cheek	0	40620	2593	1	Low	0.05	0.175	15.97	16.50	1.130	0.198	/
	State20			0	40620	2593	50	Low	0.03	0.172	15.89	16.50	1.151	0.198	/
	State20		Left Tilt	0	40620	2593	1	Low	0.19	0.230	15.97	16.50	1.130	0.260	/
	State20			0	40620	2593	50	Low	0.06	0.226	15.89	16.50	1.151	0.260	/
	State20		Right Cheek	0	40620	2593	1	Low	0.15	0.470	15.97	16.50	1.130	0.531	/
	State20			0	40620	2593	50	Low	-0.10	0.473	15.89	16.50	1.151	0.544	/
	State20		Right Tilt	0	40620	2593	1	Low	0.02	0.548	15.97	16.50	1.130	0.619	/
	State20			0	40620	2593	50	Low	0.17	0.542	15.89	16.50	1.151	0.624	/
Ant.0	State18&20	QPSK	Left Cheek	0	40620	2593	1	Low	-0.16	0.133	23.45	24.00	1.135	0.151	/
	State18&20			0	40620	2593	50	Low	-0.17	0.112	22.51	23.00	1.119	0.125	/
	State18&20		Left Tilt	0	40620	2593	1	Low	0.12	0.062	23.45	24.00	1.135	0.070	/
	State18&20			0	40620	2593	50	Low	-0.11	0.053	22.51	23.00	1.119	0.059	/
	State18&20		Right Cheek	0	40620	2593	1	Low	0.14	0.196	23.45	24.00	1.135	0.222	/
	State18&20			0	40620	2593	50	Low	0.19	0.158	22.51	23.00	1.119	0.177	/
	State18&20		Right Tilt	0	40620	2593	1	Low	-0.14	0.112	23.45	24.00	1.135	0.127	/
	State18&20			0	40620	2593	50	Low	0.00	0.092	22.51	23.00	1.119	0.103	/

Body-worn															
Ant.1	State17	QPSK	Front Side	15	40620	2593	1	Low	0.18	0.120	21.47	22.00	1.130	0.136	/
	State17			15	40620	2593	50	Low	0.16	0.123	21.48	22.00	1.127	0.139	/
	State17		Back Side	15	40620	2593	1	Low	-0.06	0.302	21.47	22.00	1.130	**0.341**	47#
	State17			15	40620	2593	50	Low	0.11	0.300	21.48	22.00	1.127	0.338	/
Ant.0	State17	QPSK	Front Side	15	40620	2593	1	Low	0.10	0.231	23.45	24.00	1.135	0.262	/
	State17			15	40620	2593	50	Low	0.17	0.228	22.51	23.00	1.119	0.255	/
	State17		Back Side	15	40620	2593	1	Low	0.19	0.225	23.45	24.00	1.135	0.255	/
	State17			15	40620	2593	50	Low	-0.04	0.220	22.51	23.00	1.119	0.246	/
Hotspot															
Ant.1	State19	QPSK	Front Side	10	40620	2593	1	Low	-0.08	0.155	19.94	20.50	1.138	0.176	/
	State19			10	40620	2593	50	Low	-0.14	0.157	19.91	20.50	1.146	0.180	/
	State19		Back Side	10	40620	2593	1	Low	0.14	0.349	19.94	20.50	1.138	0.397	/
	State19			10	40620	2593	50	Low	-0.19	0.350	19.91	20.50	1.146	0.401	/
	State19		Left Edge	10	40620	2593	1	Low	0.03	0.000	19.94	20.50	1.138	0.000	/
	State19			10	40620	2593	50	Low	-0.13	0.000	19.91	20.50	1.146	0.000	/
	State19		Right Edge	10	40620	2593	1	Low	-0.11	0.098	19.94	20.50	1.138	0.111	/
	State19			10	40620	2593	50	Low	-0.19	0.100	19.91	20.50	1.146	0.115	/
	State19		Top Edge	10	40620	2593	1	Low	-0.06	0.476	19.94	20.50	1.138	**0.542**	48#
	State19			10	40620	2593	50	Low	0.14	0.472	19.91	20.50	1.146	0.541	/
Ant.0	State19	QPSK	Front Side	10	40620	2593	1	Low	-0.07	0.276	21.95	22.50	1.135	0.313	/
	State19			10	40620	2593	50	Low	0.13	0.277	22.02	22.50	1.117	0.309	/
	State19		Back Side	10	40620	2593	1	Low	-0.08	0.313	21.95	22.50	1.135	0.355	/
	State19			10	40620	2593	50	Low	-0.17	0.312	22.02	22.50	1.117	0.348	/
	State19		Left Edge	10	40620	2593	1	Low	-0.04	0.127	21.95	22.50	1.135	0.144	/
	State19			10	40620	2593	50	Low	0.13	0.126	22.02	22.50	1.117	0.141	/
	State19		Right Edge	10	40620	2593	1	Low	-0.03	0.044	21.95	22.50	1.135	0.050	/
	State19			10	40620	2593	50	Low	-0.02	0.043	22.02	22.50	1.117	0.048	/
	State19		Bottom Edge	10	40620	2593	1	Low	-0.19	0.194	21.95	22.50	1.135	0.220	/
	State19			10	40620	2593	50	Low	0.15	0.195	22.02	22.50	1.117	0.218	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.19 LTE Band 41 (20MHz Bandwidth) Worse case for CA Test

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head-CA															
Ant.1	State18	QPSK	Right Tilt	0	40620 +40818	2593 +2612.8	1+1	High+Low	-0.05	0.584	16.51	17.50	1.256	0.734	/
Body-worn-CA															
Ant.1	State17	QPSK	Back Side	15	40620 +40818	2593 +2612.8	1+1	High+Low	0.00	0.254	21.11	22.00	1.227	0.312	/
Hotspot-CA															

Ant.1	State19	QPSK	Top Edge	10	40620 +40818	2593 +2612.8	1+1	High+Low	0.06	0.396	19.50	20.50	1.259	0.499	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.20 n5 (20MHz Bandwidth)

Ant.enna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State18	DFT-s-OFDM QPSK	SA	Left Cheek	0	167300	836.5	1	1	0.09	0.441	22.05	22.20	1.035	0.456	/
	State18				0	166800	834	50	26	0.10	0.446	21.96	22.20	1.057	0.471	/
	State18			Left Tilt	0	167300	836.5	1	1	-0.05	0.423	22.05	22.20	1.035	0.438	/
	State18				0	166800	834	50	26	0.12	0.433	21.96	22.20	1.057	0.458	/
	State18			Right Cheek	0	167300	836.5	1	1	0.19	0.698	22.05	22.20	1.035	**0.723**	49#
	State18				0	166800	834	50	26	0.01	0.676	21.96	22.20	1.057	0.714	/
	State18			Right Tilt	0	167300	836.5	1	1	-0.05	0.561	22.05	22.20	1.035	0.581	/
	State18				0	166800	834	50	26	0.02	0.558	21.96	22.20	1.057	0.590	/
Ant.1	State20	DFT-s-OFDM QPSK	SA&ENDC	Left Cheek	0	167300	836.5	1	1	0.00	0.266	20.09	20.20	1.026	0.273	/
	State20				0	166800	834	50	26	-0.07	0.271	19.95	20.20	1.059	0.287	/
	State20			Left Tilt	0	167300	836.5	1	1	-0.01	0.271	20.09	20.20	1.026	0.278	/
	State20				0	166800	834	50	26	-0.09	0.275	19.95	20.20	1.059	0.291	/
	State20			Right Cheek	0	167300	836.5	1	1	-0.02	0.431	20.09	20.20	1.026	0.442	/
	State20				0	166800	834	50	26	0.11	0.422	19.95	20.20	1.059	0.447	/
	State20			Right Tilt	0	167300	836.5	1	1	-0.12	0.361	20.09	20.20	1.026	0.370	/
	State20				0	166800	834	50	26	0.00	0.355	19.95	20.20	1.059	0.376	/
Ant.1	State20	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	167300	836.5	1	1	-0.17	0.141	17.24	17.70	1.112	0.157	/
	State20				0	166800	834	50	26	0.14	0.143	17.22	17.70	1.117	0.160	/
	State20			Left Tilt	0	167300	836.5	1	1	-0.08	0.162	17.24	17.70	1.112	0.180	/
	State20				0	166800	834	50	26	-0.06	0.158	17.22	17.70	1.117	0.176	/
	State20			Right Cheek	0	167300	836.5	1	1	-0.08	0.235	17.24	17.70	1.112	0.261	/
	State20				0	166800	834	50	26	-0.16	0.232	17.22	17.70	1.117	0.259	/
	State20			Right Tilt	0	167300	836.5	1	1	-0.02	0.211	17.24	17.70	1.112	0.235	/
	State20				0	166800	834	50	26	-0.03	0.206	17.22	17.70	1.117	0.230	/
Ant.0	State18&20	DFT-s-OFDM QPSK	SA&ENDC	Left Cheek	0	166800	834	1	1	-0.03	0.000	23.75	24.20	1.109	0.000	/
	State18&20				0	167300	836.5	50	26	0.05	0.000	23.64	24.20	1.138	0.000	/
	State18&20			Left Tilt	0	166800	834	1	1	-0.06	0.000	23.75	24.20	1.109	0.000	/
	State18&20				0	167300	836.5	50	26	-0.01	0.000	23.64	24.20	1.138	0.000	/
	State18&20			Right Cheek	0	166800	834	1	1	-0.13	0.000	23.75	24.20	1.109	0.043	/
	State18&20				0	167300	836.5	50	26	0.08	0.049	23.64	24.20	1.138	0.056	/
	State18&20			Right Tilt	0	166800	834	1	1	0.16	0.000	23.75	24.20	1.109	0.000	/
	State18&20				0	167300	836.5	50	26	0.02	0.000	23.64	24.20	1.138	0.000	/
Body-worn Accessory																
Ant.1	State17&19		SA&ENDC	Front Side	15	166800	834	1	1	-0.12	0.097	23.45	23.70	1.059	0.103	/
	State17&19				15	167300	836.5	50	26	0.10	0.078	23.32	23.70	1.091	0.085	/

	State17&19	DFT-s-OFDM QPSK		Back Side	15	166800	834	1	1	0.03	0.112	23.45	23.70	1.059	**0.119**	50#
	State17&19				15	167300	836.5	50	26	0.08	0.093	23.32	23.70	1.091	0.102	/
Ant.0	State17&19	DFT-s-OFDM QPSK	SA&ENDC	Front Side	15	166800	834	1	1	0.05	0.016	23.75	24.20	1.109	0.018	/
	State17&19				15	167300	836.5	50	26	-0.02	0.013	23.64	24.20	1.138	0.015	/
	State17&19			Back Side	15	166800	834	1	1	0.16	0.039	23.75	24.20	1.109	0.043	/
	State17&19				15	167300	836.5	50	26	-0.08	0.034	23.64	24.20	1.138	0.039	/
Hotspot																
Ant.1	State17&19	DFT-s-OFDM QPSK	SA&ENDC	Front Side	10	166800	834	1	1	0.00	0.211	23.45	23.70	1.059	0.224	/
	State17&19				10	167300	836.5	50	26	0.05	0.204	23.32	23.70	1.091	0.223	/
	State17&19			Back Side	10	166800	834	1	1	-0.17	0.253	23.45	23.70	1.059	**0.268**	51#
	State17&19				10	167300	836.5	50	26	0.16	0.241	23.32	23.70	1.091	0.263	/
	State17&19			Right Edge	10	166800	834	1	1	-0.02	0.071	23.45	23.70	1.059	0.075	/
	State17&19				10	167300	836.5	50	26	-0.06	0.065	23.32	23.70	1.091	0.071	/
	State17&19			Top Edge	10	166800	834	1	1	0.19	0.202	23.45	23.70	1.059	0.214	/
	State17&19				10	167300	836.5	50	26	0.06	0.198	23.32	23.70	1.091	0.216	/
Ant.0	State17&19	DFT-s-OFDM QPSK	SA&ENDC	Front Side	10	166800	834	1	1	0.01	0.065	23.75	24.20	1.109	0.072	/
	State17&19				10	167300	836.5	50	26	-0.08	0.058	23.64	24.20	1.138	0.066	/
	State17&19			Back Side	10	166800	834	1	1	-0.13	0.083	23.75	24.20	1.109	0.092	/
	State17&19				10	167300	836.5	50	26	0.07	0.079	23.64	24.20	1.138	0.090	/
	State17&19			Left Edge	10	166800	834	1	1	-0.02	0.011	23.75	24.20	1.109	0.012	/
	State17&19				10	167300	836.5	50	26	-0.01	0.009	23.64	24.20	1.138	0.010	/
	State17&19			Right Edge	10	166800	834	1	1	-0.03	0.008	23.75	24.20	1.109	0.009	/
	State17&19				10	167300	836.5	50	26	-0.03	0.007	23.64	24.20	1.138	0.008	/
	State17&19			Bottom Edge	10	166800	834	1	1	0.04	0.121	23.75	24.20	1.109	0.134	/
	State17&19				10	167300	836.5	50	26	-0.02	0.115	23.64	24.20	1.138	0.131	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.21 n7 (20MHz Bandwidth)

Ant.enna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State18	DFT-s-OFDM QPSK	SA	Left Cheek	0	507000	2535	1	1	-0.16	0.223	14.87	15.70	1.211	0.270	/
	State18				0	507000	2535	50	25	0.15	0.218	14.93	15.70	1.194	0.260	/
	State18			Left Tilt	0	507000	2535	1	1	-0.15	0.321	14.87	15.70	1.211	0.389	/
	State18				0	507000	2535	50	25	-0.17	0.315	14.93	15.70	1.194	0.376	/
	State18			Right Cheek	0	507000	2535	1	1	0.10	0.565	14.87	15.70	1.211	0.684	/
	State18				0	507000	2535	50	25	0.04	0.548	14.93	15.70	1.194	0.654	/
	State18			Right Tilt	0	507000	2535	1	1	-0.14	0.646	14.87	15.70	1.211	**0.782**	52#
	State18				0	507000	2535	50	25	-0.08	0.625	14.93	15.70	1.194	0.746	/
Ant.1	State20		SA	Left Cheek	0	507000	2535	1	1	-0.11	0.161	13.42	14.20	1.197	0.193	/
	State20				0	507000	2535	50	25	0.17	0.158	13.63	14.20	1.140	0.180	/

	State20	DFT-s-OFDM QPSK		Left Tilt	0	507000	2535	1	1	0.01	0.241	13.42	14.20	1.197	0.288	/
	State20				0	507000	2535	50	25	0.15	0.233	13.63	14.20	1.140	0.266	/
	State20			Right Cheek	0	507000	2535	1	1	0.14	0.406	13.42	14.20	1.197	0.486	/
	State20				0	507000	2535	50	25	0.06	0.395	13.63	14.20	1.140	0.450	/
	State20			Right Tilt	0	507000	2535	1	1	0.07	0.471	13.42	14.20	1.197	0.564	/
	State20				0	507000	2535	50	25	0.11	0.466	13.63	14.20	1.140	0.531	/
Ant.1	State18	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	507000	2535	1	1	0.08	0.139	12.95	13.70	1.189	0.165	/
	State18				0	507000	2535	50	25	0.04	0.135	13.22	13.70	1.117	0.151	/
	State18			Left Tilt	0	507000	2535	1	1	0.12	0.206	12.95	13.70	1.189	0.245	/
	State18				0	507000	2535	50	25	-0.05	0.201	13.22	13.70	1.117	0.224	/
	State18			Right Cheek	0	507000	2535	1	1	0.05	0.355	12.95	13.70	1.189	0.422	/
	State18				0	507000	2535	50	25	-0.16	0.348	13.22	13.70	1.117	0.389	/
	State18			Right Tilt	0	507000	2535	1	1	0.02	0.416	12.95	13.70	1.189	0.494	/
	State18				0	507000	2535	50	25	0.01	0.409	13.22	13.70	1.117	0.457	/
Ant.1	State20	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	507000	2535	1	1	-0.15	0.106	11.96	12.70	1.186	0.126	/
	State20				0	507000	2535	50	25	0.03	0.103	12.19	12.70	1.125	0.116	/
	State20			Left Tilt	0	507000	2535	1	1	0.13	0.161	11.96	12.70	1.186	0.191	/
	State20				0	507000	2535	50	25	0.19	0.158	12.19	12.70	1.125	0.178	/
	State20			Right Cheek	0	507000	2535	1	1	0.07	0.275	11.96	12.70	1.186	0.326	/
	State20				0	507000	2535	50	25	0.05	0.269	12.19	12.70	1.125	0.303	/
	State20			Right Tilt	0	507000	2535	1	1	0.19	0.323	11.96	12.70	1.186	0.383	/
	State20				0	507000	2535	50	25	-0.04	0.315	12.19	12.70	1.125	0.354	/
Ant.0	State18&20	DFT-s-OFDM QPSK	SA	Left Cheek	0	502000	2510	1	1	0.19	0.161	23.06	23.70	1.159	0.187	/
	State18&20				0	512000	2560	50	25	-0.05	0.154	22.98	23.70	1.180	0.182	/
	State18&20			Left Tilt	0	502000	2510	1	1	0.19	0.075	23.06	23.70	1.159	0.087	/
	State18&20				0	512000	2560	50	25	-0.15	0.069	22.98	23.70	1.180	0.081	/
	State18&20			Right Cheek	0	502000	2510	1	1	-0.10	0.174	23.06	23.70	1.159	0.202	/
	State18&20				0	512000	2560	50	25	-0.11	0.165	22.98	23.70	1.180	0.195	/
	State18&20			Right Tilt	0	502000	2510	1	1	0.12	0.131	23.06	23.70	1.159	0.152	/
	State18&20				0	512000	2560	50	25	-0.07	0.123	22.98	23.70	1.180	0.145	/
Ant.3	State18	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	502000	2510	1	1	-0.04	0.244	20.24	21.00	1.191	0.291	/
	State18				0	512000	2560	50	25	0.12	0.223	19.87	21.00	1.297	0.289	/
	State18			Left Tilt	0	502000	2510	1	1	-0.06	0.102	20.24	21.00	1.191	0.122	/
	State18				0	512000	2560	50	25	0.00	0.106	19.87	21.00	1.297	0.138	/
	State18			Right Cheek	0	502000	2510	1	1	-0.17	0.474	20.24	21.00	1.191	0.565	/
	State18				0	512000	2560	50	25	-0.05	0.465	19.87	21.00	1.297	0.603	/
	State18			Right Tilt	0	502000	2510	1	1	0.13	0.149	20.24	21.00	1.191	0.177	/
	State18				0	512000	2560	50	25	-0.19	0.151	19.87	21.00	1.297	0.196	/
Ant.3	State20	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	502000	2510	1	1	0.09	0.116	17.22	18.00	1.197	0.139	/
	State20				0	512000	2560	50	25	-0.12	0.114	16.84	18.00	1.306	0.149	/
	State20			Left Tilt	0	502000	2510	1	1	0.16	0.049	17.22	18.00	1.197	0.059	/
	State20				0	512000	2560	50	25	-0.16	0.054	16.84	18.00	1.306	0.071	/
	State20			Right Cheek	0	502000	2510	1	1	-0.17	0.244	17.22	18.00	1.197	0.292	/
	State20				0	512000	2560	50	25	-0.16	0.235	16.84	18.00	1.306	0.307	/
	State20			Right Tilt	0	502000	2510	1	1	0.14	0.073	17.22	18.00	1.197	0.087	/

	State20				0	512000	2560	50	25	0.11	0.071	16.84	18.00	1.306	0.093	/
Body-worn Accessory																
Ant.1	State17	DFT-s-OFDM QPSK	SA	Front Side	15	507000	2535	1	1	-0.13	0.161	18.73	19.70	1.250	0.201	/
	State17				15	507000	2535	50	25	0.17	0.155	18.81	19.70	1.227	0.190	/
	State17			Back Side	15	507000	2535	1	1	0.18	0.250	18.73	19.70	1.250	**0.313**	53#
	State17				15	507000	2535	50	25	0.00	0.236	18.81	19.70	1.227	0.290	/
Ant.1	State17	DFT-s-OFDM QPSK	ENDC	Front Side	15	507000	2535	1	1	-0.12	0.112	17.13	18.20	1.279	0.143	/
	State17				15	507000	2535	50	25	-0.05	0.109	17.17	18.20	1.268	0.138	/
	State17			Back Side	15	507000	2535	1	1	0.07	0.169	17.13	18.20	1.279	0.216	/
	State17				15	507000	2535	50	25	0.19	0.165	17.17	18.20	1.268	0.209	/
Ant.0	State17	DFT-s-OFDM QPSK	SA	Front Side	15	502000	2510	1	1	0.04	0.147	21.54	22.20	1.164	0.171	/
	State17				15	512000	2560	50	25	-0.16	0.138	21.47	22.20	1.183	0.163	/
	State17			Back Side	15	502000	2510	1	1	-0.05	0.172	21.54	22.20	1.164	0.200	/
	State17				15	512000	2560	50	25	0.16	0.163	21.47	22.20	1.183	0.193	/
Ant.3	State17	DFT-s-OFDM QPSK	ENDC	Front Side	15	507000	2535	1	1	0.14	0.075	21.21	22.00	1.199	0.090	/
	State17				15	507000	2535	50	0	0.06	0.062	20.89	22.00	1.291	0.080	/
	State17			Back Side	15	507000	2535	1	1	-0.12	0.110	21.21	22.00	1.199	0.132	/
	State17				15	507000	2535	50	0	0.18	0.088	20.89	22.00	1.291	0.114	/
Hotspot																
Ant.1	State19	DFT-s-OFDM QPSK	SA	Front Side	10	507000	2535	1	1	0.01	0.175	17.13	18.20	1.279	0.224	/
	State19				10	507000	2535	50	25	-0.09	0.161	17.17	18.20	1.268	0.204	/
	State19			Back Side	10	507000	2535	1	1	-0.16	0.271	17.13	18.20	1.279	0.347	/
	State19				10	507000	2535	50	25	0.14	0.266	17.17	18.20	1.268	0.337	/
	State19			Right Edge	10	507000	2535	1	1	-0.02	0.128	17.13	18.20	1.279	0.164	/
	State19				10	507000	2535	50	25	-0.17	0.119	17.17	18.20	1.268	0.151	/
	State19			Top Edge	10	507000	2535	1	1	-0.18	0.452	17.13	18.20	1.279	**0.578**	54#
	State19				10	507000	2535	50	25	-0.15	0.433	17.17	18.20	1.268	0.549	/
Ant.1	State19	DFT-s-OFDM QPSK	ENDC	Front Side	10	507000	2535	1	1	0.16	0.136	16.17	17.20	1.268	0.172	/
	State19				10	507000	2535	50	25	0.10	0.131	16.24	17.20	1.247	0.163	/
	State19			Back Side	10	507000	2535	1	1	0.06	0.216	16.17	17.20	1.268	0.274	/
	State19				10	507000	2535	50	25	-0.08	0.213	16.24	17.20	1.247	0.266	/
	State19			Right Edge	10	507000	2535	1	1	-0.08	0.106	16.17	17.20	1.268	0.134	/
	State19				10	507000	2535	50	25	0.05	0.101	16.24	17.20	1.247	0.126	/
	State19			Top Edge	10	507000	2535	1	1	-0.12	0.365	16.17	17.20	1.268	0.463	/
	State19				10	507000	2535	50	25	-0.09	0.351	16.24	17.20	1.247	0.438	/
Ant.0	State19	DFT-s-OFDM QPSK	SA	Front Side	10	502000	2510	1	1	-0.15	0.295	21.54	22.20	1.164	0.343	/
	State19				10	512000	2560	50	25	0.19	0.268	21.47	22.20	1.183	0.317	/
	State19			Back Side	10	502000	2510	1	1	0.05	0.345	21.54	22.20	1.164	0.402	/
	State19				10	512000	2560	50	25	0.04	0.323	21.47	22.20	1.183	0.382	/
	State19			Left Edge	10	502000	2510	1	1	0.01	0.144	21.54	22.20	1.164	0.168	/
	State19				10	512000	2560	50	25	0.10	0.131	21.47	22.20	1.183	0.155	/
	State19			Right Edge	10	502000	2510	1	1	-0.17	0.075	21.54	22.20	1.164	0.087	/
	State19				10	512000	2560	50	25	0.05	0.071	21.47	22.20	1.183	0.084	/
	State19			Bottom Edge	10	502000	2510	1	1	-0.14	0.255	21.54	22.20	1.164	0.297	/
	State19				10	512000	2560	50	25	0.18	0.243	21.47	22.20	1.183	0.287	/

Ant.3	State19	DFT-s-OFDM QPSK	ENDC	Front Side	10	512000	2560	1	1	0.06	0.121	20.24	21.00	1.191	0.144	/
	State19				10	507000	2535	50	0	0.02	0.116	19.87	21.00	1.297	0.150	/
	State19			Back Side	10	512000	2560	1	1	-0.13	0.234	20.24	21.00	1.191	0.279	/
	State19				10	507000	2535	50	0	0.03	0.225	19.87	21.00	1.297	0.292	/
	State19			Right Edge	10	502000	2510	1	1	0.03	0.161	20.24	21.00	1.191	0.192	/
	State19				10	512000	2560	50	0	0.16	0.155	19.87	21.00	1.297	0.201	/
	State19			Top Edge	10	512000	2560	1	1	-0.12	0.082	20.24	21.00	1.191	0.098	/
	State19				10	507000	2535	50	0	0.12	0.078	19.87	21.00	1.297	0.101	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.22 n66 (20MHz Bandwidth)

Ant.enna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant..1	State18	DFT-s-OFDM QPSK	SA	Left Cheek	0	354000	1770	1	1	-0.06	0.351	16.45	17.20	1.189	0.417	/
	State18				0	349000	1745	50	25	0.04	0.344	16.68	17.20	1.127	0.388	/
	State18			Left Tilt	0	354000	1770	1	1	0.09	0.456	16.45	17.20	1.189	0.542	/
	State18				0	349000	1745	50	25	0.03	0.451	16.68	17.20	1.127	0.508	/
	State18			Right Cheek	0	354000	1770	1	1	-0.17	0.511	16.45	17.20	1.189	0.607	/
	State18				0	349000	1745	50	25	-0.16	0.503	16.68	17.20	1.127	0.567	/
	State18			Right Tilt	0	354000	1770	1	1	-0.12	0.660	16.45	17.20	1.189	**0.784**	61#
	State18				0	349000	1745	50	25	-0.18	0.654	16.68	17.20	1.127	0.737	/
Ant..1	State18	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	354000	1770	1	1	-0.06	0.059	15.40	16.20	1.202	0.071	/
	State18				0	349000	1745	50	25	0.06	0.056	15.69	16.20	1.125	0.063	/
	State18			Left Tilt	0	354000	1770	1	1	0.00	0.078	15.40	16.20	1.202	0.094	/
	State18				0	349000	1745	50	25	-0.15	0.075	15.69	16.20	1.125	0.084	/
	State18			Right Cheek	0	354000	1770	1	1	0.08	0.089	15.40	16.20	1.202	0.107	/
	State18				0	349000	1745	50	25	-0.04	0.087	15.69	16.20	1.125	0.098	/
	State18			Right Tilt	0	354000	1770	1	1	-0.13	0.121	15.40	16.20	1.202	0.145	/
	State18				0	349000	1745	50	25	-0.08	0.118	15.69	16.20	1.125	0.133	/
Ant..1	State20	DFT-s-OFDM QPSK	SA	Left Cheek	0	354000	1770	1	1	0.12	0.253	14.86	15.70	1.213	0.307	/
	State20				0	349000	1745	50	25	-0.07	0.247	15.14	15.70	1.138	0.281	/
	State20			Left Tilt	0	354000	1770	1	1	0.08	0.331	14.86	15.70	1.213	0.402	/
	State20				0	349000	1745	50	25	-0.16	0.326	15.14	15.70	1.138	0.371	/
	State20			Right Cheek	0	354000	1770	1	1	-0.09	0.355	14.86	15.70	1.213	0.431	/
	State20				0	349000	1745	50	25	-0.10	0.351	15.14	15.70	1.138	0.399	/
	State20			Right Tilt	0	354000	1770	1	1	-0.06	0.472	14.86	15.70	1.213	0.573	/
	State20				0	349000	1745	50	25	-0.15	0.468	15.14	15.70	1.138	0.532	/
Ant..1	State20	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	354000	1770	1	1	0.02	0.176	13.25	14.20	1.245	0.219	/
	State20				0	349000	1745	50	25	-0.02	0.171	13.59	14.20	1.151	0.197	/
	State20			Left Tilt	0	354000	1770	1	1	0.08	0.226	13.25	14.20	1.245	0.281	/
	State20				0	349000	1745	50	25	0.05	0.221	13.59	14.20	1.151	0.254	/
	State20			Right Cheek	0	354000	1770	1	1	-0.11	0.246	13.25	14.20	1.245	0.306	/

	State20				0	349000	1745	50	25	-0.10	0.241	13.59	14.20	1.151	0.277	/
	State20			Right Tilt	0	354000	1770	1	1	0.04	0.326	13.25	14.20	1.245	0.406	/
	State20				0	349000	1745	50	25	0.08	0.321	13.59	14.20	1.151	0.369	/
Ant..0	State18&20	DFT-s-OFDM QPSK	SA	Left Cheek	0	344000	1720	1	1	-0.07	0.045	23.62	24.20	1.143	0.051	/
	State18&20				0	354000	1770	50	25	0.18	0.058	23.78	24.20	1.102	0.064	/
	State18&20			Left Tilt	0	344000	1720	1	1	-0.15	0.000	23.62	24.20	1.143	0.000	/
	State18&20				0	354000	1770	50	25	0.09	0.000	23.78	24.20	1.102	0.000	/
	State18&20			Right Cheek	0	344000	1720	1	1	0.11	0.059	23.62	24.20	1.143	0.067	/
	State18&20				0	354000	1770	50	25	0.04	0.058	23.78	24.20	1.102	0.064	/
	State18&20			Right Tilt	0	344000	1720	1	1	0.10	0.000	23.62	24.20	1.143	0.000	/
	State18&20				0	354000	1770	50	25	-0.09	0.000	23.78	24.20	1.102	0.000	/
Ant..3	State18&20	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	344000	1720	1	1	-0.07	0.000	21.42	22.50	1.282	0.000	/
	State18&20				0	354000	1770	50	0	0.19	0.000	20.85	22.50	1.462	0.000	/
	State18&20			Left Tilt	0	344000	1720	1	1	0.05	0.000	21.42	22.50	1.282	0.000	/
	State18&20				0	354000	1770	50	0	0.03	0.000	20.85	22.50	1.462	0.000	/
	State18&20			Right Cheek	0	344000	1720	1	1	0.10	0.035	21.42	22.50	1.282	0.045	/
	State18&20				0	354000	1770	50	0	0.11	0.029	20.85	22.50	1.462	0.042	/
	State18&20			Right Tilt	0	344000	1720	1	1	0.07	0.000	21.42	22.50	1.282	0.000	/
	State18&20				0	354000	1770	50	0	-0.13	0.000	20.85	22.50	1.462	0.000	/
Body-worn																
Ant.1	State17	DFT-s-OFDM QPSK	SA	Front Side	15	349000	1745	1	1	0.15	0.131	20.13	20.70	1.140	0.149	/
	State17				15	349000	1745	50	25	-0.01	0.125	20.14	20.70	1.138	0.142	/
	State17			Back Side	15	349000	1745	1	1	0.10	0.197	20.13	20.70	1.140	0.225	/
	State17				15	349000	1745	50	25	0.08	0.182	20.14	20.70	1.138	0.207	/
Ant.1	State17	DFT-s-OFDM QPSK	ENDC	Front Side	15	349000	1745	1	1	-0.11	0.121	19.51	20.20	1.172	0.142	/
	State17				15	349000	1745	50	25	-0.07	0.116	19.63	20.20	1.140	0.132	/
	State17			Back Side	15	349000	1745	1	1	0.16	0.182	19.51	20.20	1.172	0.213	/
	State17				15	349000	1745	50	25	-0.15	0.175	19.63	20.20	1.140	0.200	/
Ant.0	State17	DFT-s-OFDM QPSK	SA	Front Side	15	344000	1720	1	1	0.07	0.152	23.62	24.20	1.143	0.174	/
	State17				15	354000	1770	50	25	0.00	0.141	23.78	24.20	1.102	0.155	/
	State17			Back Side	15	344000	1720	1	1	-0.08	0.244	23.62	24.20	1.143	**0.279**	62#
	State17				15	354000	1770	50	25	0.03	0.223	23.78	24.20	1.102	0.246	/
Ant..3	State17	DFT-s-OFDM QPSK	ENDC	Front Side	15	344000	1720	1	1	0.19	0.000	21.42	22.50	1.282	0.000	/
	State17				15	354000	1745	50	0	0.14	0.000	20.85	22.50	1.462	0.000	/
	State17			Back Side	15	344000	1720	1	1	0.11	0.000	21.42	22.50	1.282	0.000	/
	State17				15	354000	1745	50	0	0.07	0.000	20.85	22.50	1.462	0.000	/
Hotspot																
Ant..1	State19	DFT-s-OFDM QPSK	ENDC	Front Side	10	349000	1745	1	1	-0.12	0.195	19.03	19.70	1.167	0.228	/
	State19				10	349000	1745	50	25	-0.16	0.193	19.16	19.70	1.132	0.219	/
	State19			Back Side	10	349000	1745	1	1	-0.09	0.288	19.03	19.70	1.167	0.336	/
	State19				10	349000	1745	50	25	0.17	0.285	19.16	19.70	1.132	0.323	/
	State19			Right Edge	10	349000	1745	1	1	0.07	0.056	19.03	19.70	1.167	0.065	/
	State19				10	349000	1745	50	25	-0.09	0.051	19.16	19.70	1.132	0.058	/
	State19			Top Edge	10	349000	1745	1	1	0.12	0.402	19.03	19.70	1.167	0.469	/
	State19				10	349000	1745	50	25	0.07	0.395	19.16	19.70	1.132	0.447	/

Ant..1	State19	DFT-s-OFDM QPSK	ENDC	Front Side	10	349000	1745	1	1	-0.16	0.182	18.69	19.20	1.125	0.205	/
	State19				10	349000	1745	50	25	0.03	0.178	18.61	19.20	1.146	0.204	/
	State19			Back Side	10	349000	1745	1	1	0.08	0.262	18.69	19.20	1.125	0.295	/
	State19				10	349000	1745	50	25	0.16	0.251	18.61	19.20	1.146	0.288	/
	State19			Right Edge	10	349000	1745	1	1	-0.02	0.062	18.69	19.20	1.125	0.070	/
	State19				10	349000	1745	50	25	0.03	0.053	18.61	19.20	1.146	0.061	/
	State19			Top Edge	10	349000	1745	1	1	0.18	0.362	18.69	19.20	1.125	0.407	/
	State19				10	349000	1745	50	25	0.07	0.354	18.61	19.20	1.146	0.406	/
Ant..0	State19	DFT-s-OFDM QPSK	ENDC	Front Side	10	349000	1745	1	1	-0.01	0.205	20.78	21.20	1.102	0.226	/
	State19				10	344000	1720	50	25	-0.19	0.201	20.89	21.20	1.074	0.216	/
	State19			Back Side	10	349000	1745	1	1	0.03	0.311	20.78	21.20	1.102	0.343	/
	State19				10	344000	1720	50	25	0.00	0.305	20.89	21.20	1.074	0.328	/
	State19			Left Edge	10	349000	1745	1	1	0.16	0.047	20.78	21.20	1.102	0.052	/
	State19				10	344000	1720	50	25	0.02	0.044	20.89	21.20	1.074	0.047	/
	State19			Bottom Edge	10	349000	1745	1	1	0.06	0.570	20.78	21.20	1.102	**0.628**	63#
	State19				10	344000	1720	50	25	-0.07	0.557	20.89	21.20	1.074	0.598	/
Ant..3	State19	DFT-s-OFDM QPSK	ENDC	Front Side	10	344000	1720	1	1	-0.07	0.000	21.42	22.50	1.282	0.000	/
	State19				10	354000	1745	50	0	0.04	0.000	20.85	22.50	1.462	0.000	/
	State19			Back Side	10	344000	1720	1	1	-0.14	0.000	21.42	22.50	1.282	0.000	/
	State19				10	354000	1745	50	0	0.16	0.000	20.85	22.50	1.462	0.000	/
	State19			Right Edge	10	344000	1720	1	1	-0.13	0.045	21.42	22.50	1.282	0.058	/
	State19				10	354000	1745	50	0	0.12	0.042	20.85	22.50	1.462	0.061	/
	State19			Top Edge	10	344000	1720	1	1	0.05	0.000	21.42	22.50	1.282	0.000	/
	State19				10	354000	1745	50	0	0.17	0.000	20.85	22.50	1.462	0.000	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.23 n38 (20MHz Bandwidth)

Ant.enna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State18	DFT-s-OFDM QPSK	SA	Left Cheek	0	519000	2595	1	1	0.11	0.241	15.62	16.20	1.143	0.275	/
	State18				0	519000	2595	50	25	-0.09	0.212	15.44	16.20	1.191	0.253	/
	State18			Left Tilt	0	519000	2595	1	1	0.15	0.323	15.62	16.20	1.143	0.369	/
	State18				0	519000	2595	50	25	-0.05	0.311	15.44	16.20	1.191	0.370	/
	State18			Right Cheek	0	519000	2595	1	1	0.18	0.676	15.62	16.20	1.143	0.773	/
	State18				0	519000	2595	50	25	0.15	0.652	15.44	16.20	1.191	0.777	/
	State18			Right Tilt	0	519000	2595	1	1	0.14	0.764	15.62	16.20	1.143	**0.873**	55#
	State18				0	516000	2580	1	1	0.13	0.671	15.57	16.20	1.156	0.776	/
	State18				0	522000	2610	1	1	-0.11	0.682	15.52	16.20	1.169	0.798	/
	State18				0	519000	2595	50	25	0.16	0.731	15.44	16.20	1.191	0.871	/
	State18				0	516000	2580	50	25	0.10	0.665	15.40	16.20	1.202	0.800	/
	State18				0	522000	2610	50	25	0.15	0.692	15.41	16.20	1.199	0.830	/
Ant.1	State20		SA	Left Cheek	0	519000	2595	1	1	-0.10	0.165	14.18	14.70	1.127	0.186	/

	State20	DFT-s-OFDM QPSK			0	519000	2595	50	25	0.15	0.161	14.08	14.70	1.153	0.186	/
	State20			Left Tilt	0	519000	2595	1	1	0.16	0.231	14.18	14.70	1.127	0.260	/
	State20				0	519000	2595	50	25	-0.17	0.228	14.08	14.70	1.153	0.263	/
	State20			Right Cheek	0	519000	2595	1	1	0.03	0.488	14.18	14.70	1.127	0.550	/
	State20				0	519000	2595	50	25	0.04	0.474	14.08	14.70	1.153	0.547	/
	State20			Right Tilt	0	519000	2595	1	1	0.08	0.523	14.18	14.70	1.127	0.590	/
	State20				0	519000	2595	50	25	0.08	0.511	14.08	14.70	1.153	0.589	/
Ant.0	State18&20	DFT-s-OFDM QPSK	SA	Left Cheek	0	522000	2610	1	1	0.19	0.195	23.82	24.20	1.091	0.213	/
	State18&20				0	522000	2610	50	25	-0.01	0.187	23.71	24.20	1.119	0.209	/
	State18&20			Left Tilt	0	522000	2610	1	1	-0.19	0.103	23.82	24.20	1.091	0.112	/
	State18&20				0	522000	2610	50	25	0.00	0.099	23.71	24.20	1.119	0.111	/
	State18&20			Right Cheek	0	522000	2610	1	1	0.07	0.299	23.82	24.20	1.091	0.326	/
	State18&20				0	522000	2610	50	25	-0.13	0.285	23.71	24.20	1.119	0.319	/
	State18&20			Right Tilt	0	522000	2610	1	1	0.02	0.129	23.82	24.20	1.091	0.141	/
	State18&20				0	522000	2610	50	25	0.17	0.125	23.71	24.20	1.119	0.140	/
Body-worn Accessory																
Ant.1	State17	DFT-s-OFDM QPSK	SA	Front Side	15	519000	2595	1	1	-0.11	0.125	19.12	19.70	1.143	0.143	/
	State17				15	519000	2595	50	25	0.16	0.119	18.94	19.70	1.191	0.142	/
	State17			Back Side	15	519000	2595	1	1	-0.18	0.266	19.12	19.70	1.143	**0.304**	56#
	State17				15	519000	2595	50	25	0.00	0.251	18.94	19.70	1.191	0.299	/
Ant.0	State17	DFT-s-OFDM QPSK	SA	Front Side	15	522000	2610	1	1	-0.11	0.206	23.82	24.20	1.091	0.225	/
	State17				15	522000	2610	50	25	-0.19	0.198	23.71	24.20	1.119	0.222	/
	State17			Back Side	15	522000	2610	1	1	0.04	0.274	23.82	24.20	1.091	0.299	/
	State17				15	522000	2610	50	25	-0.07	0.263	23.71	24.20	1.119	0.294	/
Hotspot																
Ant.1	State19	DFT-s-OFDM QPSK	SA	Front Side	10	519000	2595	1	1	-0.18	0.125	17.16	17.70	1.132	0.142	/
	State19				10	519000	2595	50	25	0.15	0.121	16.98	17.70	1.180	0.143	/
	State19			Back Side	10	519000	2595	1	1	-0.17	0.288	17.16	17.70	1.132	0.326	/
	State19				10	519000	2595	50	25	-0.10	0.274	16.98	17.70	1.180	0.323	/
	State19			Right Edge	10	519000	2595	1	1	0.09	0.085	17.16	17.70	1.132	0.096	/
	State19				10	519000	2595	50	25	-0.15	0.083	16.98	17.70	1.180	0.098	/
	State19			Top Edge	10	519000	2595	1	1	-0.01	0.381	17.16	17.70	1.132	0.431	/
	State19				10	519000	2595	50	25	0.11	0.371	16.98	17.70	1.180	0.438	/
Ant.0	State19	DFT-s-OFDM QPSK	SA	Front Side	10	516000	2580	1	1	0.17	0.311	21.87	22.20	1.079	0.336	/
	State19				10	519000	2595	50	25	-0.16	0.306	21.68	22.20	1.127	0.345	/
	State19			Back Side	10	516000	2580	1	1	-0.15	0.414	21.87	22.20	1.079	**0.447**	57#
	State19				10	519000	2595	50	25	0.04	0.392	21.68	22.20	1.127	0.442	/
	State19			Left Edge	10	522000	2610	1	1	0.03	0.211	21.87	22.20	1.079	0.228	/
	State19				10	522000	2610	50	25	-0.15	0.206	21.68	22.20	1.127	0.232	/
	State19			Right Edge	10	519000	2595	1	1	-0.01	0.028	21.87	22.20	1.079	0.030	/
	State19				10	519000	2595	50	25	0.18	0.027	21.68	22.20	1.127	0.030	/
	State19			Bottom Edge	10	516000	2580	1	1	-0.11	0.272	21.87	22.20	1.079	0.293	/
	State19				10	519000	2595	50	25	-0.16	0.269	21.68	22.20	1.127	0.303	/

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

10.24 n41 (100MHz Bandwidth)

Ant.enna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State18	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	1	1	0.10	0.211	15.45	16.20	1.189	0.251	/
	State18				0	518598	2592.99	135	67	0.10	0.205	15.28	16.20	1.236	0.253	/
	State18			Left Tilt	0	518598	2592.99	1	1	0.11	0.258	15.45	16.20	1.189	0.307	/
	State18				0	518598	2592.99	135	67	0.00	0.255	15.28	16.20	1.236	0.315	/
	State18			Right Cheek	0	518598	2592.99	1	1	0.14	0.521	15.45	16.20	1.189	0.619	/
	State18				0	518598	2592.99	135	67	-0.05	0.516	15.28	16.20	1.236	0.638	/
	State18			Right Tilt	0	518598	2592.99	1	1	0.15	0.633	15.45	16.20	1.189	**0.752**	58#
	State18				0	518598	2592.99	135	67	-0.11	0.603	15.28	16.20	1.236	0.745	/
Ant.1	State20	DFT-s-OFDM QPSK	SA&ENDC	Left Cheek	0	518598	2592.99	1	1	0.08	0.153	14.02	14.70	1.169	0.179	/
	State20				0	518598	2592.99	135	67	0.00	0.148	13.94	14.70	1.191	0.176	/
	State20			Left Tilt	0	518598	2592.99	1	1	0.08	0.175	14.02	14.70	1.169	0.205	/
	State20				0	518598	2592.99	135	67	0.03	0.171	13.94	14.70	1.191	0.204	/
	State20			Right Cheek	0	518598	2592.99	1	1	-0.06	0.355	14.02	14.70	1.169	0.415	/
	State20				0	518598	2592.99	135	67	0.06	0.351	13.94	14.70	1.191	0.418	/
	State20			Right Tilt	0	518598	2592.99	1	1	0.17	0.434	14.02	14.70	1.169	0.508	/
	State20				0	518598	2592.99	135	67	-0.11	0.431	13.94	14.70	1.191	0.513	/
Ant.1	State20	DFT-s-OFDM QPSK	ENDC	Left Cheek	0	518598	2592.99	1	1	-0.06	0.119	13.04	13.70	1.164	0.139	/
	State20				0	518598	2592.99	135	67	-0.04	0.116	12.89	13.70	1.205	0.140	/
	State20			Left Tilt	0	518598	2592.99	1	1	-0.03	0.136	13.04	13.70	1.164	0.158	/
	State20				0	518598	2592.99	135	67	0.10	0.133	12.89	13.70	1.205	0.160	/
	State20			Right Cheek	0	518598	2592.99	1	1	0.05	0.271	13.04	13.70	1.164	0.315	/
	State20				0	518598	2592.99	135	67	-0.18	0.275	12.89	13.70	1.205	0.331	/
	State20			Right Tilt	0	518598	2592.99	1	1	-0.10	0.339	13.04	13.70	1.164	0.395	/
	State20				0	518598	2592.99	135	67	-0.03	0.336	12.89	13.70	1.205	0.405	/
Ant.0	State18&20	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	1	1	0.15	0.186	23.68	24.20	1.127	0.210	/
	State18&20				0	518598	2592.99	135	67	-0.14	0.178	23.62	24.20	1.143	0.203	/
	State18&20			Left Tilt	0	518598	2592.99	1	1	0.09	0.114	23.68	24.20	1.127	0.129	/
	State18&20				0	518598	2592.99	135	67	-0.05	0.112	23.62	24.20	1.143	0.128	/
	State18&20			Right Cheek	0	518598	2592.99	1	1	0.00	0.328	23.68	24.20	1.127	0.370	/
	State18&20				0	518598	2592.99	135	67	-0.10	0.325	23.62	24.20	1.143	0.371	/
	State18&20			Right Tilt	0	518598	2592.99	1	1	-0.05	0.127	23.68	24.20	1.127	0.143	/
	State18&20				0	518598	2592.99	135	67	0.03	0.123	23.62	24.20	1.143	0.141	/
Ant.3	State18	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	1	1	-0.03	0.225	19.36	20.00	1.159	0.261	/
	State18				0	518598	2592.99	135	67	0.14	0.211	19.50	20.00	1.122	0.237	/
	State18			Left Tilt	0	518598	2592.99	1	1	-0.13	0.095	19.36	20.00	1.159	0.110	/
	State18				0	518598	2592.99	135	67	-0.10	0.091	19.50	20.00	1.122	0.102	/
	State18			Right Cheek	0	518598	2592.99	1	1	-0.09	0.411	19.36	20.00	1.159	0.476	/
	State18				0	518598	2592.99	135	67	0.07	0.405	19.50	20.00	1.122	0.454	/
	State18			Right Tilt	0	518598	2592.99	1	1	-0.05	0.125	19.36	20.00	1.159	0.145	/

	State18				0	518598	2592.99	135	67	-0.03	0.121	19.50	20.00	1.122	0.136	/
Ant.3	State20	DFT-s-OFDM QPSK	SA	Left Cheek	0	518598	2592.99	1	1	-0.15	0.106	16.10	17.00	1.230	0.130	/
	State20				0	518598	2592.99	135	67	-0.01	0.102	16.06	17.00	1.242	0.127	/
	State20			Left Tilt	0	518598	2592.99	1	1	-0.06	0.045	16.10	17.00	1.230	0.055	/
	State20				0	518598	2592.99	135	67	0.15	0.041	16.06	17.00	1.242	0.051	/
	State20			Right Cheek	0	518598	2592.99	1	1	0.04	0.195	16.10	17.00	1.230	0.240	/
	State20				0	518598	2592.99	135	67	0.18	0.192	16.06	17.00	1.242	0.238	/
	State20			Right Tilt	0	518598	2592.99	1	1	-0.15	0.055	16.10	17.00	1.230	0.068	/
	State20				0	518598	2592.99	135	67	0.17	0.058	16.06	17.00	1.242	0.072	/
Body-worn Accessory																
Ant.1	State17	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	1	1	0.04	0.081	19.01	19.70	1.172	0.095	/
	State17				15	518598	2592.99	135	67	-0.01	0.079	18.87	19.70	1.211	0.096	/
	State17			Back Side	15	518598	2592.99	1	1	0.17	0.183	19.01	19.70	1.172	0.215	/
	State17				15	518598	2592.99	135	67	0.01	0.175	18.87	19.70	1.211	0.212	/
Ant.1	State17	DFT-s-OFDM QPSK	ENDC	Front Side	15	518598	2592.99	1	1	-0.03	0.055	17.48	18.20	1.180	0.065	/
	State17				15	518598	2592.99	135	67	-0.12	0.052	17.37	18.20	1.211	0.063	/
	State17			Back Side	15	518598	2592.99	1	1	0.10	0.128	17.48	18.20	1.180	0.151	/
	State17				15	518598	2592.99	135	67	-0.03	0.123	17.37	18.20	1.211	0.149	/
Ant.0	State17	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	1	1	0.19	0.205	23.68	24.20	1.127	0.231	/
	State17				15	518598	2592.99	135	67	0.03	0.199	23.62	24.20	1.143	0.227	/
	State17			Back Side	15	518598	2592.99	1	1	-0.09	0.230	23.68	24.20	1.127	**0.259**	59#
	State17				15	518598	2592.99	135	67	-0.02	0.223	23.62	24.20	1.143	0.255	/
Ant.3	State17	DFT-s-OFDM QPSK	SA	Front Side	15	518598	2592.99	1	1	-0.16	0.092	21.40	22.00	1.148	0.106	/
	State17				15	518598	2592.99	135	67	-0.08	0.072	21.50	22.00	1.122	0.081	/
	State17			Back Side	15	518598	2592.99	1	1	-0.09	0.136	21.40	22.00	1.148	0.156	/
	State17				15	518598	2592.99	135	67	0.10	0.109	21.50	22.00	1.122	0.122	/
Hotspot																
Ant.1	State19	DFT-s-OFDM QPSK	SA	Front Side	10	518598	2592.99	1	1	-0.08	0.121	17.48	18.20	1.180	0.143	/
	State19				10	518598	2592.99	135	67	-0.08	0.118	17.37	18.20	1.211	0.143	/
	State19			Back Side	10	518598	2592.99	1	1	-0.01	0.274	17.48	18.20	1.180	0.323	/
	State19				10	518598	2592.99	135	67	0.10	0.272	17.37	18.20	1.211	0.329	/
	State19			Right Edge	10	518598	2592.99	1	1	0.13	0.085	17.48	18.20	1.180	0.100	/
	State19				10	518598	2592.99	135	67	0.01	0.083	17.37	18.20	1.211	0.100	/
	State19			Top Edge	10	518598	2592.99	1	1	0.07	0.385	17.48	18.20	1.180	0.454	/
	State19				10	518598	2592.99	135	67	-0.13	0.381	17.37	18.20	1.211	0.461	/
Ant.1	State19	DFT-s-OFDM QPSK	ENDC	Front Side	10	518598	2592.99	1	1	-0.14	0.095	16.47	17.20	1.183	0.112	/
	State19				10	518598	2592.99	135	67	-0.10	0.091	16.34	17.20	1.219	0.111	/
	State19			Back Side	10	518598	2592.99	1	1	0.15	0.211	16.47	17.20	1.183	0.250	/
	State19				10	518598	2592.99	135	67	0.10	0.208	16.34	17.20	1.219	0.254	/
	State19			Right Edge	10	518598	2592.99	1	1	0.08	0.063	16.47	17.20	1.183	0.075	/
	State19				10	518598	2592.99	135	67	0.16	0.061	16.34	17.20	1.219	0.074	/
	State19			Top Edge	10	518598	2592.99	1	1	0.04	0.303	16.47	17.20	1.183	0.358	/
	State19				10	518598	2592.99	135	67	-0.05	0.302	16.34	17.20	1.219	0.368	/
Ant.0	State19		SA	Front Side	10	518598	2592.99	1	1	0.10	0.321	21.60	22.20	1.148	0.369	/
	State19				10	518598	2592.99	135	67	-0.10	0.318	21.58	22.20	1.153	0.367	/

	State19	DFT-s-OFDM QPSK		Back Side	10	518598	2592.99	1	1	-0.08	0.402	21.60	22.20	1.148	**0.462**	60#
	State19				10	518598	2592.99	135	67	0.14	0.395	21.58	22.20	1.153	0.456	/
	State19			Left Edge	10	518598	2592.99	1	1	-0.04	0.191	21.60	22.20	1.148	0.219	/
	State19				10	518598	2592.99	135	67	-0.04	0.189	21.58	22.20	1.153	0.218	/
	State19			Right Edge	10	518598	2592.99	1	1	-0.14	0.006	21.60	22.20	1.148	0.007	/
	State19				10	518598	2592.99	135	67	0.09	0.005	21.58	22.20	1.153	0.006	/
	State19			Bottom Edge	10	518598	2592.99	1	1	0.08	0.261	21.60	22.20	1.148	0.300	/
	State19				10	518598	2592.99	135	67	-0.14	0.255	21.58	22.20	1.153	0.294	/
Ant.3	State19	DFT-s-OFDM QPSK	SA	Front Side	10	518598	2592.99	1	1	-0.16	0.124	20.35	21.00	1.161	0.144	/
	State19				10	518598	2592.99	135	67	0.17	0.121	20.31	21.00	1.172	0.142	/
	State19			Back Side	10	518598	2592.99	1	1	0.04	0.235	20.35	21.00	1.161	0.273	/
	State19				10	518598	2592.99	135	67	0.04	0.225	20.31	21.00	1.172	0.264	/
	State19			Left Edge	10	518598	2592.99	1	1	-0.07	0.003	20.35	21.00	1.161	0.003	/
	State19				10	518598	2592.99	135	67	-0.02	0.002	20.31	21.00	1.172	0.002	/
	State19			Right Edge	10	518598	2592.99	1	1	0.07	0.171	20.35	21.00	1.161	0.199	/
	State19				10	518598	2592.99	135	67	-0.02	0.165	20.31	21.00	1.172	0.193	/
	State19			Top Edge	10	518598	2592.99	1	1	0.18	0.085	20.35	21.00	1.161	0.099	/
	State19				10	518598	2592.99	135	67	0.10	0.082	20.31	21.00	1.172	0.096	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.25 WIFI 2.4GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.8	Level1	802.11 b	Left Cheek	0	6	2437	0.00	0.488	99.00	1.010	15.41	16.00	1.146	0.565	/
	Level1		Left Tilt	0	6	2437	0.14	0.265	99.00	1.010	15.41	16.00	1.146	0.307	/
	Level1		Right Cheek	0	6	2437	-0.15	0.171	99.00	1.010	15.41	16.00	1.146	0.198	/
	Level1		Right Tilt	0	6	2437	-0.03	0.145	99.00	1.010	15.41	16.00	1.146	0.168	/
Ant.8	Level2	802.11 b	Left Cheek	0	6	2437	0.15	0.300	99.00	1.010	13.11	13.50	1.094	0.332	/
	Level2		Left Tilt	0	6	2437	-0.10	0.163	99.00	1.010	13.11	13.50	1.094	0.180	/
	Level2		Right Cheek	0	6	2437	-0.01	0.105	99.00	1.010	13.11	13.50	1.094	0.116	/
	Level2		Right Tilt	0	6	2437	0.01	0.087	99.00	1.010	13.11	13.50	1.094	0.096	/
Ant.8	Level3&4	802.11 b	Left Cheek	0	6	2437	-0.04	0.184	99.00	1.010	10.25	11.00	1.189	0.221	/
	Level3&4		Left Tilt	0	6	2437	0.01	0.101	99.00	1.010	10.25	11.00	1.189	0.121	/
	Level3&4		Right Cheek	0	6	2437	-0.17	0.065	99.00	1.010	10.25	11.00	1.189	0.078	/
	Level3&4		Right Tilt	0	6	2437	-0.04	0.054	99.00	1.010	10.25	11.00	1.189	0.065	/
Ant.9	Level1	802.11 b	Left Cheek	0	6	2437	-0.16	0.031	99.00	1.010	15.39	16.00	1.151	0.036	/
	Level1		Left Tilt	0	6	2437	-0.13	0.071	99.00	1.010	15.39	16.00	1.151	0.083	/
	Level1		Right Cheek	0	6	2437	0.14	0.096	99.00	1.010	15.39	16.00	1.151	0.112	/
	Level1		Right Tilt	0	6	2437	-0.04	0.035	99.00	1.010	15.39	16.00	1.151	0.041	/
Ant.9	Level2	802.11 b	Left Cheek	0	6	2437	0.16	0.018	99.00	1.010	13.02	13.50	1.117	0.020	/
	Level2		Left Tilt	0	6	2437	0.06	0.044	99.00	1.010	13.02	13.50	1.117	0.050	/
	Level2		Right Cheek	0	6	2437	-0.19	0.059	99.00	1.010	13.02	13.50	1.117	0.067	/
	Level2		Right Tilt	0	6	2437	-0.08	0.021	99.00	1.010	13.02	13.50	1.117	0.024	/
Ant.9	Level3&4	802.11 b	Left Cheek	0	6	2437	-0.08	0.008	99.00	1.010	10.18	11.00	1.208	0.010	/
	Level3&4		Left Tilt	0	6	2437	0.03	0.023	99.00	1.010	10.18	11.00	1.208	0.028	/
	Level3&4		Right Cheek	0	6	2437	-0.19	0.032	99.00	1.010	10.18	11.00	1.208	0.039	/
	Level3&4		Right Tilt	0	6	2437	0.08	0.012	99.00	1.010	10.18	11.00	1.208	0.015	/
MIMO	Level1	802.11 b	Left Cheek	0	6	2437	-0.14	0.540	99.00	1.010	18.41	19.00	1.146	**0.625**	64#
	Level1		Left Tilt	0	6	2437	0.07	0.312	99.00	1.010	18.41	19.00	1.146	0.361	/
	Level1		Right Cheek	0	6	2437	-0.06	0.181	99.00	1.010	18.41	19.00	1.146	0.209	/
	Level1		Right Tilt	0	6	2437	0.12	0.175	99.00	1.010	18.41	19.00	1.146	0.202	/
MIMO	Level2	802.11 b	Left Cheek	0	6	2437	-0.11	0.331	99.00	1.010	16.08	16.50	1.102	0.368	/
	Level2		Left Tilt	0	6	2437	-0.11	0.192	99.00	1.010	16.08	16.50	1.102	0.214	/
	Level2		Right Cheek	0	6	2437	0.19	0.113	99.00	1.010	16.08	16.50	1.102	0.126	/
	Level2		Right Tilt	0	6	2437	-0.02	0.109	99.00	1.010	16.08	16.50	1.102	0.121	/
MIMO	Level3&4	802.11 b	Left Cheek	0	6	2437	0.06	0.182	99.00	1.010	13.23	14.00	1.194	0.220	/
	Level3&4		Left Tilt	0	6	2437	0.01	0.106	99.00	1.010	13.23	14.00	1.194	0.128	/
	Level3&4		Right Cheek	0	6	2437	-0.04	0.062	99.00	1.010	13.23	14.00	1.194	0.075	/
	Level3&4		Right Tilt	0	6	2437	0.18	0.057	99.00	1.010	13.23	14.00	1.194	0.069	/
Body-worn															
Ant.8	level5&6	802.11 b	Front Side	15	6	2437	0.09	0.085	99.00	1.010	18.87	19.50	1.156	0.099	/
	level5&6		Back Side	15	6	2437	0.01	0.102	99.00	1.010	18.87	19.50	1.156	0.119	/

Ant.8	level7	802.11 b	Front Side	15	6	2437	0.13	0.055	99.00	1.010	17.83	18.50	1.167	0.065	/
	level7		Back Side	15	6	2437	-0.17	0.065	99.00	1.010	17.83	18.50	1.167	0.077	/
Ant.8	level8	802.11 b	Front Side	15	6	2437	0.11	0.034	99.00	1.010	15.41	16.00	1.146	0.039	/
	level8		Back Side	15	6	2437	0.03	0.043	99.00	1.010	15.41	16.00	1.146	0.050	/
Ant.9	level5&6	802.11 b	Front Side	15	6	2437	0.11	0.023	99.00	1.010	18.71	19.50	1.199	0.028	/
	level5&6		Back Side	15	6	2437	-0.02	0.041	99.00	1.010	18.71	19.50	1.199	0.050	/
Ant.9	level7	802.11 b	Front Side	15	6	2437	-0.14	0.015	99.00	1.010	17.71	18.50	1.199	0.018	/
	level7		Back Side	15	6	2437	0.02	0.026	99.00	1.010	17.71	18.50	1.199	0.032	/
Ant.9	level8	802.11 b	Front Side	15	6	2437	-0.17	0.011	99.00	1.010	15.39	16.00	1.151	0.013	/
	level8		Back Side	15	6	2437	0.10	0.018	99.00	1.010	15.39	16.00	1.151	0.021	/
MIMO	level5&6	802.11 b	Front Side	15	6	2437	-0.09	0.102	99.00	1.010	21.80	22.50	1.175	0.121	/
	level5&6		Back Side	15	6	2437	0.15	0.141	99.00	1.010	21.80	22.50	1.175	**0.167**	65#
MIMO	level7	802.11 b	Front Side	15	6	2437	0.00	0.063	99.00	1.010	20.78	21.50	1.180	0.075	/
	level7		Back Side	15	6	2437	0.14	0.089	99.00	1.010	20.78	21.50	1.180	0.106	/
MIMO	level8	802.11 b	Front Side	15	6	2437	0.10	0.038	99.00	1.010	18.41	19.00	1.146	0.044	/
	level8		Back Side	15	6	2437	0.10	0.059	99.00	1.010	18.41	19.00	1.146	0.068	/
Hotspot															
Ant.8	Level7	802.11 b	Front Side	10	6	2437	-0.03	0.112	99.00	1.010	17.83	18.50	1.167	0.132	/
	Level7		Back Side	10	6	2437	-0.18	0.131	99.00	1.010	17.83	18.50	1.167	0.154	/
	Level7		Left Edge	10	6	2437	0.18	0.113	99.00	1.010	17.83	18.50	1.167	0.133	/
	Level7		Top Edge	10	6	2437	0.19	0.103	99.00	1.010	17.83	18.50	1.167	0.121	/
Ant.8	Level8	802.11 b	Front Side	10	6	2437	-0.16	0.066	99.00	1.010	15.41	16.00	1.146	0.076	/
	Level8		Back Side	10	6	2437	0.17	0.077	99.00	1.010	15.41	16.00	1.146	0.089	/
	Level8		Left Edge	10	6	2437	0.16	0.067	99.00	1.010	15.41	16.00	1.146	0.078	/
	Level8		Top Edge	10	6	2437	-0.08	0.061	99.00	1.010	15.41	16.00	1.146	0.071	/
Ant.9	Level7	802.11 b	Front Side	10	6	2437	-0.02	0.033	99.00	1.010	17.71	18.50	1.199	0.040	/
	Level7		Back Side	10	6	2437	-0.08	0.045	99.00	1.010	17.71	18.50	1.199	0.055	/
	Level7		Right Edge	10	6	2437	-0.17	0.065	99.00	1.010	17.71	18.50	1.199	0.079	/
	Level7		Top Edge	10	6	2437	-0.10	0.045	99.00	1.010	17.71	18.50	1.199	0.055	/
Ant.9	Level8	802.11 b	Front Side	10	6	2437	-0.10	0.015	99.00	1.010	15.39	16.00	1.151	0.017	/
	Level8		Back Side	10	6	2437	0.05	0.023	99.00	1.010	15.39	16.00	1.151	0.027	/
	Level8		Right Edge	10	6	2437	0.15	0.037	99.00	1.010	15.39	16.00	1.151	0.043	/
	Level8		Top Edge	10	6	2437	-0.01	0.248	99.00	1.010	15.39	16.00	1.151	0.288	/
MIMO	Level7	802.11 b	Front Side	10	6	2437	0.01	0.171	99.00	1.010	20.78	21.50	1.180	0.204	/
	Level7		Back Side	10	6	2437	-0.01	0.269	99.00	1.010	20.78	21.50	1.180	**0.321**	66#
	Level7		Left Edge	10	6	2437	-0.02	0.121	99.00	1.010	20.78	21.50	1.180	0.144	/
	Level7		Right Edge	10	6	2437	-0.11	0.063	99.00	1.010	20.78	21.50	1.180	0.075	/
	Level7		Top Edge	10	6	2437	-0.09	0.183	99.00	1.010	20.78	21.50	1.180	0.218	/
MIMO	Level8	802.11 b	Front Side	10	6	2437	0.02	0.092	99.00	1.010	18.41	19.00	1.146	0.106	/
	Level8		Back Side	10	6	2437	0.04	0.150	99.00	1.010	18.41	19.00	1.146	0.174	/
	Level8		Left Edge	10	6	2437	0.04	0.069	99.00	1.010	18.41	19.00	1.146	0.080	/
	Level8		Right Edge	10	6	2437	0.15	0.031	99.00	1.010	18.41	19.00	1.146	0.036	/
	Level8		Top Edge	10	6	2437	-0.18	0.102	99.00	1.010	18.41	19.00	1.146	0.118	/

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

10.26 WIFI 5GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.8	Level1	5.3G 802.11ac80	Left Cheek	0	58	5290	-0.02	0.441	98.72	1.013	12.69	14.00	1.352	0.604	/
	Level1		Left Tilt	0	58	5290	0.09	0.481	98.72	1.013	12.69	14.00	1.352	**0.659**	67#
	Level1		Right Cheek	0	58	5290	0.05	0.368	98.72	1.013	12.69	14.00	1.352	0.504	/
	Level1		Right Tilt	0	58	5290	0.07	0.413	98.72	1.013	12.69	14.00	1.352	0.566	/
Ant.8	Level2	5.3G 802.11ac80	Left Cheek	0	58	5290	0.05	0.188	98.72	1.013	9.98	11.50	1.419	0.270	/
	Level2		Left Tilt	0	58	5290	-0.02	0.205	98.72	1.013	9.98	11.50	1.419	0.295	/
	Level2		Right Cheek	0	58	5290	-0.10	0.157	98.72	1.013	9.98	11.50	1.419	0.226	/
	Level2		Right Tilt	0	58	5290	0.15	0.176	98.72	1.013	9.98	11.50	1.419	0.253	/
Ant.8	Level3&4	5.3G 802.11ac80	Left Cheek	0	58	5290	-0.13	0.145	98.72	1.013	8.73	10.50	1.503	0.221	/
	Level3&4		Left Tilt	0	58	5290	-0.11	0.160	98.72	1.013	8.73	10.50	1.503	0.244	/
	Level3&4		Right Cheek	0	58	5290	0.01	0.121	98.72	1.013	8.73	10.50	1.503	0.184	/
	Level3&4		Right Tilt	0	58	5290	-0.06	0.135	98.72	1.013	8.73	10.50	1.503	0.206	/
Ant.9	Level1	5.3G 802.11ac80	Left Cheek	0	58	5290	0.18	0.055	98.72	1.013	12.95	14.00	1.274	0.071	/
	Level1		Left Tilt	0	58	5290	-0.14	0.042	98.72	1.013	12.95	14.00	1.274	0.054	/
	Level1		Right Cheek	0	58	5290	0.14	0.133	98.72	1.013	12.95	14.00	1.274	0.172	/
	Level1		Right Tilt	0	58	5290	0.19	0.102	98.72	1.013	12.95	14.00	1.274	0.132	/
Ant.9	Level2	5.3G 802.11ac80	Left Cheek	0	58	5290	0.19	0.024	98.72	1.013	10.29	11.50	1.321	0.032	/
	Level2		Left Tilt	0	58	5290	-0.16	0.019	98.72	1.013	10.29	11.50	1.321	0.025	/
	Level2		Right Cheek	0	58	5290	0.10	0.052	98.72	1.013	10.29	11.50	1.321	0.070	/
	Level2		Right Tilt	0	58	5290	0.09	0.041	98.72	1.013	10.29	11.50	1.321	0.055	/
Ant.9	Level3&4	5.3G 802.11ac80	Left Cheek	0	58	5290	-0.10	0.018	98.72	1.013	9.20	10.50	1.349	0.025	/
	Level3&4		Left Tilt	0	58	5290	0.10	0.015	98.72	1.013	9.20	10.50	1.349	0.020	/
	Level3&4		Right Cheek	0	58	5290	-0.05	0.045	98.72	1.013	9.20	10.50	1.349	0.061	/
	Level3&4		Right Tilt	0	58	5290	0.08	0.037	98.72	1.013	9.20	10.50	1.349	0.051	/
MIMO	Level1	5.3G 802.11ac80	Left Cheek	0	58	5290	0.03	0.421	98.72	1.013	15.83	17.00	1.309	0.558	/
	Level1		Left Tilt	0	58	5290	0.19	0.464	98.72	1.013	15.83	17.00	1.309	0.615	/
	Level1		Right Cheek	0	58	5290	-0.14	0.295	98.72	1.013	15.83	17.00	1.309	0.391	/
	Level1		Right Tilt	0	58	5290	-0.03	0.388	98.72	1.013	15.83	17.00	1.309	0.515	/
MIMO	Level2	5.3G 802.11ac80	Left Cheek	0	58	5290	0.06	0.225	98.72	1.013	13.15	14.50	1.365	0.311	/
	Level2		Left Tilt	0	58	5290	0.01	0.250	98.72	1.013	13.15	14.50	1.365	0.346	/
	Level2		Right Cheek	0	58	5290	0.15	0.156	98.72	1.013	13.15	14.50	1.365	0.216	/
	Level2		Right Tilt	0	58	5290	0.03	0.205	98.72	1.013	13.15	14.50	1.365	0.283	/
MIMO	Level3&4	5.3G 802.11ac80	Left Cheek	0	58	5290	-0.01	0.178	98.72	1.013	11.98	13.50	1.419	0.256	/
	Level3&4		Left Tilt	0	58	5290	-0.16	0.196	98.72	1.013	11.98	13.50	1.419	0.282	/
	Level3&4		Right Cheek	0	58	5290	0.07	0.125	98.72	1.013	11.98	13.50	1.419	0.180	/
	Level3&4		Right Tilt	0	58	5290	-0.04	0.164	98.72	1.013	11.98	13.50	1.419	0.236	/
Ant.8	Level1	5.6G 802.11ac160	Left Cheek	0	114	5570	0.05	0.561	99.10	1.009	12.98	14.00	1.265	0.716	/
	Level1		Left Tilt	0	114	5570	-0.13	0.617	99.10	1.009	12.98	14.00	1.265	**0.787**	68#
	Level1		Right Cheek	0	114	5570	0.09	0.449	99.10	1.009	12.98	14.00	1.265	0.573	/
	Level1		Right Tilt	0	114	5570	0.09	0.531	99.10	1.009	12.98	14.00	1.265	0.678	/

Ant.8	Level2	5.6G 802.11ac160	Left Cheek	0	114	5570	-0.19	0.303	99.10	1.009	10.24	11.50	1.337	0.409	/
	Level2		Left Tilt	0	114	5570	0.00	0.330	99.10	1.009	10.24	11.50	1.337	0.445	/
	Level2		Right Cheek	0	114	5570	-0.13	0.228	99.10	1.009	10.24	11.50	1.337	0.308	/
	Level2		Right Tilt	0	114	5570	-0.13	0.279	99.10	1.009	10.24	11.50	1.337	0.376	/
Ant.8	Level3&4	5.6G 802.11ac160	Left Cheek	0	114	5570	0.00	0.241	99.10	1.009	9.23	10.50	1.340	0.326	/
	Level3&4		Left Tilt	0	114	5570	-0.08	0.258	99.10	1.009	9.23	10.50	1.340	0.349	/
	Level3&4		Right Cheek	0	114	5570	-0.05	0.193	99.10	1.009	9.23	10.50	1.340	0.261	/
	Level3&4		Right Tilt	0	114	5570	-0.10	0.228	99.10	1.009	9.23	10.50	1.340	0.308	/
Ant.9	Level1	5.6G 802.11ac160	Left Cheek	0	114	5570	0.15	0.062	99.10	1.009	13.14	14.00	1.219	0.076	/
	Level1		Left Tilt	0	114	5570	0.03	0.058	99.10	1.009	13.14	14.00	1.219	0.071	/
	Level1		Right Cheek	0	114	5570	-0.10	0.118	99.10	1.009	13.14	14.00	1.219	0.145	/
	Level1		Right Tilt	0	114	5570	-0.09	0.095	99.10	1.009	13.14	14.00	1.219	0.117	/
Ant.9	Level2	5.6G 802.11ac160	Left Cheek	0	114	5570	0.18	0.035	99.10	1.009	10.56	11.50	1.242	0.044	/
	Level2		Left Tilt	0	114	5570	0.10	0.032	99.10	1.009	10.56	11.50	1.242	0.040	/
	Level2		Right Cheek	0	114	5570	0.03	0.061	99.10	1.009	10.56	11.50	1.242	0.076	/
	Level2		Right Tilt	0	114	5570	-0.06	0.050	99.10	1.009	10.56	11.50	1.242	0.063	/
Ant.9	Level3&4	5.6G 802.11ac160	Left Cheek	0	114	5570	-0.05	0.026	99.10	1.009	9.53	10.50	1.250	0.033	/
	Level3&4		Left Tilt	0	114	5570	0.07	0.024	99.10	1.009	9.53	10.50	1.250	0.030	/
	Level3&4		Right Cheek	0	114	5570	0.12	0.048	99.10	1.009	9.53	10.50	1.250	0.061	/
	Level3&4		Right Tilt	0	114	5570	0.12	0.039	99.10	1.009	9.53	10.50	1.250	0.049	/
MIMO	Level1	5.6G 802.11ac160	Left Cheek	0	114	5570	0.14	0.516	99.10	1.009	16.07	17.00	1.239	0.645	/
	Level1		Left Tilt	0	114	5570	-0.07	0.566	99.10	1.009	16.07	17.00	1.239	0.708	/
	Level1		Right Cheek	0	114	5570	-0.01	0.422	99.10	1.009	16.07	17.00	1.239	0.528	/
	Level1		Right Tilt	0	114	5570	0.16	0.493	99.10	1.009	16.07	17.00	1.239	0.616	/
MIMO	Level2	5.6G 802.11ac160	Left Cheek	0	114	5570	-0.09	0.275	99.10	1.009	13.41	14.50	1.285	0.357	/
	Level2		Left Tilt	0	114	5570	0.06	0.301	99.10	1.009	13.41	14.50	1.285	0.390	/
	Level2		Right Cheek	0	114	5570	0.10	0.225	99.10	1.009	13.41	14.50	1.285	0.292	/
	Level2		Right Tilt	0	114	5570	0.15	0.263	99.10	1.009	13.41	14.50	1.285	0.341	/
MIMO	Level3&4	5.6G 802.11ac160	Left Cheek	0	114	5570	0.05	0.220	99.10	1.009	12.39	13.50	1.291	0.287	/
	Level3&4		Left Tilt	0	114	5570	-0.02	0.238	99.10	1.009	12.39	13.50	1.291	0.310	/
	Level3&4		Right Cheek	0	114	5570	-0.08	0.180	99.10	1.009	12.39	13.50	1.291	0.235	/
	Level3&4		Right Tilt	0	114	5570	0.19	0.211	99.10	1.009	12.39	13.50	1.291	0.275	/
Ant.8	Level1	5.8G 802.11ac80	Left Cheek	0	155	5775	0.19	0.554	98.72	1.013	13.05	14.00	1.245	0.698	/
	Level1		Left Tilt	0	155	5775	-0.04	0.565	98.72	1.013	13.05	14.00	1.245	0.712	/
	Level1		Right Cheek	0	155	5775	0.19	0.461	98.72	1.013	13.05	14.00	1.245	0.581	/
	Level1		Right Tilt	0	155	5775	-0.07	0.502	98.72	1.013	13.05	14.00	1.245	0.633	/
Ant.8	Level2	5.8G 802.11ac80	Left Cheek	0	155	5775	-0.03	0.296	98.72	1.013	10.33	11.50	1.309	0.393	/
	Level2		Left Tilt	0	155	5775	0.11	0.301	98.72	1.013	10.33	11.50	1.309	0.399	/
	Level2		Right Cheek	0	155	5775	0.01	0.251	98.72	1.013	10.33	11.50	1.309	0.333	/
	Level2		Right Tilt	0	155	5775	-0.05	0.271	98.72	1.013	10.33	11.50	1.309	0.359	/
Ant.8	Level3&4	5.8G 802.11ac80	Left Cheek	0	155	5775	-0.18	0.240	98.72	1.013	9.32	10.50	1.312	0.319	/
	Level3&4		Left Tilt	0	155	5775	0.12	0.238	98.72	1.013	9.32	10.50	1.312	0.316	/
	Level3&4		Right Cheek	0	155	5775	-0.01	0.195	98.72	1.013	9.32	10.50	1.312	0.259	/
	Level3&4		Right Tilt	0	155	5775	-0.08	0.211	98.72	1.013	9.32	10.50	1.312	0.280	/
Ant.9	Level1	5.8G 802.11ac80	Left Cheek	0	155	5775	-0.07	0.041	98.72	1.013	12.95	14.00	1.274	0.053	/

	Level1		Left Tilt	0	155	5775	-0.14	0.038	98.72	1.013	12.95	14.00	1.274	0.049	/
	Level1		Right Cheek	0	155	5775	-0.01	0.095	98.72	1.013	12.95	14.00	1.274	0.123	/
	Level1		Right Tilt	0	155	5775	0.14	0.083	98.72	1.013	12.95	14.00	1.274	0.107	/
Ant.9	Level2	5.8G 802.11ac80	Left Cheek	0	155	5775	-0.12	0.023	98.72	1.013	10.42	11.50	1.282	0.030	/
	Level2		Left Tilt	0	155	5775	-0.08	0.020	98.72	1.013	10.42	11.50	1.282	0.026	/
	Level2		Right Cheek	0	155	5775	0.05	0.048	98.72	1.013	10.42	11.50	1.282	0.062	/
	Level2		Right Tilt	0	155	5775	-0.19	0.044	98.72	1.013	10.42	11.50	1.282	0.057	/
Ant.9	Level3&4	5.8G 802.11ac80	Left Cheek	0	155	5775	-0.05	0.018	98.72	1.013	9.40	10.50	1.288	0.023	/
	Level3&4		Left Tilt	0	155	5775	0.01	0.016	98.72	1.013	9.40	10.50	1.288	0.021	/
	Level3&4		Right Cheek	0	155	5775	0.12	0.039	98.72	1.013	9.40	10.50	1.288	0.051	/
	Level3&4		Right Tilt	0	155	5775	0.15	0.032	98.72	1.013	9.40	10.50	1.288	0.042	/
MIMO	Level1	5.8G 802.11ac80	Left Cheek	0	155	5775	0.01	0.710	98.72	1.013	15.69	17.00	1.352	**0.972**	69#
	Level1		Left Tilt	0	155	5775	-0.09	0.635	98.72	1.013	15.69	17.00	1.352	0.870	/
	Level1		Right Cheek	0	155	5775	0.00	0.545	98.72	1.013	15.69	17.00	1.352	0.746	/
	Level1		Right Tilt	0	155	5775	-0.06	0.570	98.72	1.013	15.69	17.00	1.352	0.781	/
MIMO	Level2	5.8G 802.11ac80	Left Cheek	0	155	5775	-0.10	0.380	98.72	1.013	13.39	14.50	1.291	0.497	/
	Level2		Left Tilt	0	155	5775	0.15	0.341	98.72	1.013	13.39	14.50	1.291	0.446	/
	Level2		Right Cheek	0	155	5775	-0.11	0.292	98.72	1.013	13.39	14.50	1.291	0.382	/
	Level2		Right Tilt	0	155	5775	-0.19	0.306	98.72	1.013	13.39	14.50	1.291	0.400	/
MIMO	Level3&4	5.8G 802.11ac80	Left Cheek	0	155	5775	-0.14	0.302	98.72	1.013	12.37	13.50	1.297	0.397	/
	Level3&4		Left Tilt	0	155	5775	0.05	0.270	98.72	1.013	12.37	13.50	1.297	0.355	/
	Level3&4		Right Cheek	0	155	5775	0.01	0.233	98.72	1.013	12.37	13.50	1.297	0.306	/
	Level3&4		Right Tilt	0	155	5775	-0.08	0.241	98.72	1.013	12.37	13.50	1.297	0.317	/
Body-worn															
Ant.8	level5	5.3G 802.11ac80	Front Side	15	58	5290	0.11	0.362	98.72	1.013	17.90	19.50	1.445	0.530	/
	level5		Back Side	15	58	5290	0.18	0.511	98.72	1.013	17.90	19.50	1.445	0.748	/
Ant.8	level6	5.3G 802.11ac80	Front Side	15	58	5290	0.10	0.290	98.72	1.013	17.01	18.50	1.409	0.414	/
	level6		Back Side	15	58	5290	0.12	0.410	98.72	1.013	17.01	18.50	1.409	0.585	/
Ant.8	level7	5.3G 802.11ac80	Front Side	15	58	5290	0.04	0.106	98.72	1.013	12.39	14.00	1.449	0.156	/
	level7		Back Side	15	58	5290	-0.15	0.150	98.72	1.013	12.39	14.00	1.449	0.220	/
Ant.8	level8	5.3G 802.11ac80	Front Side	15	58	5290	0.00	0.082	98.72	1.013	11.30	13.00	1.479	0.123	/
	level8		Back Side	15	58	5290	-0.10	0.120	98.72	1.013	11.30	13.00	1.479	0.180	/
Ant.9	level5	5.3G 802.11ac80	Front Side	15	58	5290	-0.05	0.121	98.72	1.013	18.18	19.50	1.355	0.166	/
	level5		Back Side	15	58	5290	0.01	0.631	98.72	1.013	18.18	19.50	1.355	0.866	/
Ant.9	level6	5.3G 802.11ac80	Front Side	15	58	5290	0.17	0.097	98.72	1.013	17.22	18.50	1.343	0.132	/
	level6		Back Side	15	58	5290	0.07	0.506	98.72	1.013	17.22	18.50	1.343	0.688	/
Ant.9	level7	5.3G 802.11ac80	Front Side	15	58	5290	0.13	0.035	98.72	1.013	12.95	14.00	1.274	0.045	/
	level7		Back Side	15	58	5290	-0.08	0.183	98.72	1.013	12.95	14.00	1.274	0.236	/
Ant.9	level8	5.3G 802.11ac80	Front Side	15	58	5290	-0.09	0.031	98.72	1.013	11.89	13.00	1.291	0.041	/
	level8		Back Side	15	58	5290	-0.05	0.145	98.72	1.013	11.89	13.00	1.291	0.190	/
MIMO	level5	5.3G 802.11ac80	Front Side	15	58	5290	-0.01	0.402	98.72	1.013	21.05	22.50	1.396	0.569	/
	level5		Back Side	15	58	5290	-0.13	0.730	98.72	1.013	21.05	22.50	1.396	**1.033**	70#
MIMO	level6	5.3G 802.11ac80	Front Side	15	58	5290	-0.12	0.322	98.72	1.013	20.13	21.50	1.371	0.447	/
	level6		Back Side	15	58	5290	0.12	0.585	98.72	1.013	20.13	21.50	1.371	0.812	/
MIMO	level7	5.3G 802.11ac80	Front Side	15	58	5290	0.08	0.118	98.72	1.013	15.69	17.00	1.352	0.162	/

	level7		Back Side	15	58	5290	0.08	0.211	98.72	1.013	15.69	17.00	1.352	0.289	/
MIMO	level8	5.3G 802.11ac80	Front Side	15	58	5290	0.13	0.093	98.72	1.013	14.62	16.00	1.374	0.129	/
	level8		Back Side	15	58	5290	-0.16	0.169	98.72	1.013	14.62	16.00	1.374	0.235	/
Ant.8	level5	5.6G 802.11ac160	Front Side	15	114	5570	0.10	0.531	99.10	1.009	18.18	19.50	1.355	0.726	/
	level5		Back Side	15	114	5570	-0.17	0.572	99.10	1.009	18.18	19.50	1.355	0.782	/
Ant.8	level6	5.6G 802.11ac160	Front Side	15	114	5570	0.13	0.426	99.10	1.009	17.32	18.50	1.312	0.564	/
	level6		Back Side	15	114	5570	-0.04	0.459	99.10	1.009	17.32	18.50	1.312	0.608	/
Ant.8	level7	5.6G 802.11ac160	Front Side	15	114	5570	0.06	0.156	99.10	1.009	12.98	14.00	1.265	0.199	/
	level7		Back Side	15	114	5570	-0.08	0.168	99.10	1.009	12.98	14.00	1.265	0.214	/
Ant.8	level8	5.6G 802.11ac160	Front Side	15	114	5570	0.18	0.125	99.10	1.009	11.98	13.00	1.265	0.160	/
	level8		Back Side	15	114	5570	0.00	0.135	99.10	1.009	11.98	13.00	1.265	0.172	/
Ant.9	level5	5.6G 802.11ac160	Front Side	15	114	5570	-0.13	0.121	99.10	1.009	18.34	19.50	1.306	0.159	/
	level5		Back Side	15	114	5570	0.06	0.488	99.10	1.009	18.34	19.50	1.306	0.643	/
Ant.9	level6	5.6G 802.11ac160	Front Side	15	114	5570	-0.18	0.097	99.10	1.009	17.38	18.50	1.294	0.127	/
	level6		Back Side	15	114	5570	0.10	0.391	99.10	1.009	17.38	18.50	1.294	0.511	/
Ant.9	level7	5.6G 802.11ac160	Front Side	15	114	5570	-0.18	0.036	99.10	1.009	13.14	14.00	1.219	0.044	/
	level7		Back Side	15	114	5570	0.14	0.143	99.10	1.009	13.14	14.00	1.219	0.176	/
Ant.9	level8	5.6G 802.11ac160	Front Side	15	114	5570	-0.07	0.029	99.10	1.009	12.11	13.00	1.227	0.036	/
	level8		Back Side	15	114	5570	-0.17	0.115	99.10	1.009	12.11	13.00	1.227	0.142	/
MIMO	level5	5.6G 802.11ac160	Front Side	15	114	5570	-0.01	0.185	99.10	1.009	21.27	22.50	1.327	0.248	/
	level5		Back Side	15	114	5570	0.13	0.603	99.10	1.009	21.27	22.50	1.327	**0.808**	71#
MIMO	level6	5.6G 802.11ac160	Front Side	15	114	5570	-0.19	0.148	99.10	1.009	20.36	21.50	1.300	0.194	/
	level6		Back Side	15	114	5570	0.14	0.481	99.10	1.009	20.36	21.50	1.300	0.631	/
MIMO	level7	5.6G 802.11ac160	Front Side	15	114	5570	0.06	0.054	99.10	1.009	16.07	17.00	1.239	0.068	/
	level7		Back Side	15	114	5570	0.09	0.177	99.10	1.009	16.07	17.00	1.239	0.221	/
MIMO	level8	5.6G 802.11ac160	Front Side	15	114	5570	-0.15	0.041	99.10	1.009	15.06	16.00	1.242	0.051	/
	level8		Back Side	15	114	5570	0.14	0.142	99.10	1.009	15.06	16.00	1.242	0.178	/
Ant.8	level5	5.8G 802.11ac80	Front Side	15	155	5775	-0.14	0.510	98.72	1.013	18.35	19.50	1.303	0.673	/
	level5		Back Side	15	155	5775	0.02	0.523	98.72	1.013	18.35	19.50	1.303	0.690	/
Ant.8	level6	5.8G 802.11ac80	Front Side	15	155	5775	0.04	0.403	98.72	1.013	17.23	18.50	1.340	0.547	/
	level6		Back Side	15	155	5775	0.05	0.419	98.72	1.013	17.23	18.50	1.340	0.569	/
Ant.8	level7	5.8G 802.11ac80	Front Side	15	155	5775	-0.06	0.150	98.72	1.013	13.06	14.00	1.242	0.189	/
	level7		Back Side	15	155	5775	-0.12	0.154	98.72	1.013	13.06	14.00	1.242	0.194	/
Ant.8	level8	5.8G 802.11ac80	Front Side	15	155	5775	0.14	0.103	98.72	1.013	11.88	13.00	1.294	0.135	/
	level8		Back Side	15	155	5775	-0.03	0.123	98.72	1.013	11.88	13.00	1.294	0.161	/
Ant.9	level5	5.8G 802.11ac80	Front Side	15	155	5775	0.00	0.141	98.72	1.013	18.32	19.50	1.312	0.187	/
	level5		Back Side	15	155	5775	0.04	0.588	98.72	1.013	18.32	19.50	1.312	0.782	/
Ant.9	level6	5.8G 802.11ac80	Front Side	15	155	5775	-0.16	0.113	98.72	1.013	17.15	18.50	1.365	0.156	/
	level6		Back Side	15	155	5775	-0.14	0.471	98.72	1.013	17.15	18.50	1.365	0.651	/
Ant.9	level7	5.8G 802.11ac80	Front Side	15	155	5775	0.02	0.040	98.72	1.013	12.94	14.00	1.276	0.052	/
	level7		Back Side	15	155	5775	-0.11	0.173	98.72	1.013	12.94	14.00	1.276	0.224	/
Ant.9	level8	5.8G 802.11ac80	Front Side	15	155	5775	-0.06	0.035	98.72	1.013	11.80	13.00	1.318	0.047	/
	level8		Back Side	15	155	5775	0.09	0.138	98.72	1.013	11.80	13.00	1.318	0.184	/
MIMO	level5	5.8G 802.11ac80	Front Side	15	155	5775	0.12	0.423	98.72	1.013	21.35	22.50	1.303	0.558	/
	level5		Back Side	15	155	5775	-0.13	0.615	98.72	1.013	21.35	22.50	1.303	**0.812**	72#

MIMO	level6	5.8G 802.11ac80	Front Side	15	155	5775	-0.17	0.339	98.72	1.013	20.20	21.50	1.349	0.463	/
	level6		Back Side	15	155	5775	0.12	0.494	98.72	1.013	20.20	21.50	1.349	0.675	/
MIMO	level7	5.8G 802.11ac80	Front Side	15	155	5775	-0.02	0.124	98.72	1.013	16.01	17.00	1.256	0.158	/
	level7		Back Side	15	155	5775	0.19	0.180	98.72	1.013	16.01	17.00	1.256	0.229	/
MIMO	level8	5.8G 802.11ac80	Front Side	15	155	5775	-0.05	0.095	98.72	1.013	14.85	16.00	1.303	0.125	/
	level8		Back Side	15	155	5775	0.00	0.147	98.72	1.013	14.85	16.00	1.303	0.194	/
Hotspot															
Ant.8	Level7	5.2G802.11ac80	Front Side	10	42	5210	-0.14	0.121	98.72	1.013	12.62	14.00	1.374	0.168	/
	Level7		Back Side	10	42	5210	0.07	0.176	98.72	1.013	12.62	14.00	1.374	0.245	/
	Level7		Left Edge	10	42	5210	0.14	0.192	98.72	1.013	12.62	14.00	1.374	0.267	/
	Level7		Top Edge	10	42	5210	0.03	0.323	98.72	1.013	12.62	14.00	1.374	0.450	/
Ant.8	Level8	5.2G802.11ac80	Front Side	10	42	5210	0.18	0.097	98.72	1.013	11.77	13.00	1.327	0.130	/
	Level8		Back Side	10	42	5210	-0.17	0.140	98.72	1.013	11.77	13.00	1.327	0.188	/
	Level8		Left Edge	10	42	5210	-0.03	0.154	98.72	1.013	11.77	13.00	1.327	0.207	/
	Level8		Top Edge	10	42	5210	-0.02	0.263	98.72	1.013	11.77	13.00	1.327	0.354	/
Ant.9	Level7	5.2G802.11ac80	Front Side	10	42	5210	0.00	0.042	98.72	1.013	12.88	14.00	1.294	0.055	/
	Level7		Back Side	10	42	5210	-0.16	0.211	98.72	1.013	12.88	14.00	1.294	0.277	/
	Level7		Right Edge	10	42	5210	0.16	0.000	98.72	1.013	12.88	14.00	1.294	0.000	/
	Level7		Top Edge	10	42	5210	-0.11	0.047	98.72	1.013	12.88	14.00	1.294	0.062	/
Ant.9	Level8	5.2G802.11ac80	Front Side	10	42	5210	0.12	0.034	98.72	1.013	11.61	13.00	1.377	0.047	/
	Level8		Back Side	10	42	5210	-0.16	0.170	98.72	1.013	11.61	13.00	1.377	0.237	/
	Level8		Right Edge	10	42	5210	0.16	0.000	98.72	1.013	11.61	13.00	1.377	0.000	/
	Level8		Top Edge	10	42	5210	-0.13	0.038	98.72	1.013	11.61	13.00	1.377	0.053	/
MIMO	Level7	5.2G802.11ac80	Front Side	10	42	5210	-0.06	0.142	98.72	1.013	15.76	17.00	1.330	0.191	/
	Level7		Back Side	10	42	5210	-0.03	0.235	98.72	1.013	15.76	17.00	1.330	0.317	/
	Level7		Left Edge	10	42	5210	-0.18	0.221	98.72	1.013	15.76	17.00	1.330	0.298	/
	Level7		Right Edge	10	42	5210	-0.18	0.178	98.72	1.013	15.76	17.00	1.330	0.240	/
	Level7		Top Edge	10	42	5210	-0.04	0.344	98.72	1.013	15.76	17.00	1.330	**0.464**	73#
MIMO	Level8	5.2G802.11ac80	Front Side	10	42	5210	-0.05	0.112	98.72	1.013	14.70	16.00	1.349	0.153	/
	Level8		Back Side	10	42	5210	-0.15	0.187	98.72	1.013	14.70	16.00	1.349	0.256	/
	Level8		Left Edge	10	42	5210	-0.09	0.178	98.72	1.013	14.70	16.00	1.349	0.243	/
	Level8		Right Edge	10	42	5210	-0.02	0.143	98.72	1.013	14.70	16.00	1.349	0.195	/
	Level8		Top Edge	10	42	5210	0.01	0.275	98.72	1.013	14.70	16.00	1.349	0.376	/
Ant.8	Level7	5.8G 802.11ac80	Front Side	10	155	5775	0.18	0.201	98.72	1.013	13.06	14.00	1.242	0.253	/
	Level7		Back Side	10	155	5775	0.18	0.172	98.72	1.013	13.06	14.00	1.242	0.216	/
	Level7		Left Edge	10	155	5775	0.10	0.115	98.72	1.013	13.06	14.00	1.242	0.145	/
	Level7		Top Edge	10	155	5775	0.17	0.341	98.72	1.013	13.06	14.00	1.242	0.429	/
Ant.8	Level8	5.8G 802.11ac80	Front Side	10	155	5775	0.14	0.162	98.72	1.013	11.88	13.00	1.294	0.212	/
	Level8		Back Side	10	155	5775	-0.05	0.138	98.72	1.013	11.88	13.00	1.294	0.181	/
	Level8		Left Edge	10	155	5775	-0.15	0.092	98.72	1.013	11.88	13.00	1.294	0.121	/
	Level8		Top Edge	10	155	5775	0.06	0.274	98.72	1.013	11.88	13.00	1.294	0.359	/
Ant.9	Level7	5.8G 802.11ac80	Front Side	10	155	5775	0.08	0.035	98.72	1.013	12.94	14.00	1.276	0.045	/
	Level7		Back Side	10	155	5775	0.05	0.211	98.72	1.013	12.94	14.00	1.276	0.273	/
	Level7		Left Edge	10	155	5775	0.05	0.000	98.72	1.013	12.94	14.00	1.276	0.000	/
	Level7		Top Edge	10	155	5775	-0.18	0.063	98.72	1.013	12.94	14.00	1.276	0.081	/

Ant.9	Level8	5.8G 802.11ac80	Front Side	10	155	5775	0.16	0.028	98.72	1.013	11.80	13.00	1.318	0.037	/
	Level8		Back Side	10	155	5775	-0.15	0.171	98.72	1.013	11.80	13.00	1.318	0.228	/
	Level8		Left Edge	10	155	5775	-0.19	0.000	98.72	1.013	11.80	13.00	1.318	0.000	/
	Level8		Top Edge	10	155	5775	-0.15	0.051	98.72	1.013	11.80	13.00	1.318	0.068	/
MIMO	Level7	5.8G 802.11ac80	Front Side	10	155	5775	0.18	0.172	98.72	1.013	16.01	17.00	1.256	0.219	/
	Level7		Back Side	10	155	5775	-0.04	0.255	98.72	1.013	16.01	17.00	1.256	0.324	/
	Level7		Left Edge	10	155	5775	-0.12	0.112	98.72	1.013	16.01	17.00	1.256	0.142	/
	Level7		Right Edge	10	155	5775	-0.12	0.085	98.72	1.013	16.01	17.00	1.256	0.108	/
	Level7		Top Edge	10	155	5775	0.11	0.369	98.72	1.013	16.01	17.00	1.256	**0.469**	74#
MIMO	Level8	5.8G 802.11ac80	Front Side	10	155	5775	0.05	0.135	98.72	1.013	14.85	13.00	0.653	0.089	/
	Level8		Back Side	10	155	5775	-0.11	0.209	98.72	1.013	14.85	13.00	0.653	0.138	/
	Level8		Left Edge	10	155	5775	0.14	0.091	98.72	1.013	14.85	13.00	0.653	0.060	/
	Level8		Right Edge	10	155	5775	-0.01	0.065	98.72	1.013	14.85	13.00	0.653	0.043	/
	Level8		Top Edge	10	155	5775	-0.11	0.291	98.72	1.013	14.85	13.00	0.653	0.193	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs															
Ant.8	level5	5.3G 802.11ac80	Front Side	0	58	5290	-0.04	1.150	98.72	1.013	17.90	19.50	1.445	1.684	/
	level5		Back Side	0	58	5290	-0.08	0.721	98.72	1.013	17.90	19.50	1.445	1.056	/
	level5		Left Edge	0	58	5290	0.10	1.630	98.72	1.013	17.90	19.50	1.445	2.387	/
	level5		Right Edge	0	58	5290	0.09	0.165	98.72	1.013	17.90	19.50	1.445	0.242	/
	level5		Top Edge	0	58	5290	-0.04	1.580	98.72	1.013	17.90	19.50	1.445	2.313	/
	level5		Bottom Edge	0	58	5290	-0.16	0.012	98.72	1.013	17.90	19.50	1.445	0.018	/
Ant.8	level6	5.3G 802.11ac80	Front Side	0	58	5290	0.15	0.921	98.72	1.013	17.01	18.50	1.409	1.315	/
	level6		Back Side	0	58	5290	-0.12	0.572	98.72	1.013	17.01	18.50	1.409	0.817	/
	level6		Left Edge	0	58	5290	0.18	1.300	98.72	1.013	17.01	18.50	1.409	1.856	/
	level6		Right Edge	0	58	5290	0.16	0.136	98.72	1.013	17.01	18.50	1.409	0.194	/
	level6		Top Edge	0	58	5290	0.14	1.280	98.72	1.013	17.01	18.50	1.409	1.827	/
	level6		Bottom Edge	0	58	5290	-0.13	0.010	98.72	1.013	17.01	18.50	1.409	0.014	/
Ant.8	level7	5.3G 802.11ac80	Front Side	0	58	5290	0.12	0.309	98.72	1.013	12.39	14.00	1.449	0.453	/
	level7		Back Side	0	58	5290	0.19	0.192	98.72	1.013	12.39	14.00	1.449	0.282	/
	level7		Left Edge	0	58	5290	-0.07	0.435	98.72	1.013	12.39	14.00	1.449	0.638	/
	level7		Right Edge	0	58	5290	0.15	0.045	98.72	1.013	12.39	14.00	1.449	0.066	/
	level7		Top Edge	0	58	5290	0.09	0.429	98.72	1.013	12.39	14.00	1.449	0.630	/
	level7		Bottom Edge	0	58	5290	-0.02	0.000	98.72	1.013	12.39	14.00	1.449	0.000	/
Ant.8	level8	5.3G 802.11ac80	Front Side	0	58	5290	-0.18	0.244	98.72	1.013	11.30	13.00	1.479	0.366	/
	level8		Back Side	0	58	5290	0.05	0.151	98.72	1.013	11.30	13.00	1.479	0.226	/
	level8		Left Edge	0	58	5290	-0.16	0.356	98.72	1.013	11.30	13.00	1.479	0.533	/
	level8		Right Edge	0	58	5290	-0.10	0.034	98.72	1.013	11.30	13.00	1.479	0.051	/
	level8		Top Edge	0	58	5290	0.07	0.345	98.72	1.013	11.30	13.00	1.479	0.517	/
	level8		Bottom Edge	0	58	5290	-0.08	0.000	98.72	1.013	11.30	13.00	1.479	0.000	/

Ant.9	level5	5.3G 802.11ac80	Front Side	0	58	5290	0.04	0.441	98.72	1.013	18.18	19.50	1.355	0.605	/
	level5		Back Side	0	58	5290	0.09	1.480	98.72	1.013	18.18	19.50	1.355	2.032	/
	level5		Left Edge	0	58	5290	0.02	0.013	98.72	1.013	18.18	19.50	1.355	0.018	/
	level5		Right Edge	0	58	5290	-0.04	1.920	98.72	1.013	18.18	19.50	1.355	2.636	/
	level5		Top Edge	0	58	5290	-0.08	0.323	98.72	1.013	18.18	19.50	1.355	0.443	/
	level5		Bottom Edge	0	58	5290	0.08	0.043	98.72	1.013	18.18	19.50	1.355	0.059	/
Ant.9	level6	5.3G 802.11ac80	Front Side	0	58	5290	-0.06	0.354	98.72	1.013	17.22	18.50	1.343	0.482	/
	level6		Back Side	0	58	5290	-0.02	1.150	98.72	1.013	17.22	18.50	1.343	1.564	/
	level6		Left Edge	0	58	5290	-0.10	0.010	98.72	1.013	17.22	18.50	1.343	0.014	/
	level6		Right Edge	0	58	5290	-0.17	1.530	98.72	1.013	17.22	18.50	1.343	2.081	/
	level6		Top Edge	0	58	5290	-0.19	0.257	98.72	1.013	17.22	18.50	1.343	0.350	/
	level6		Bottom Edge	0	58	5290	0.05	0.032	98.72	1.013	17.22	18.50	1.343	0.044	/
Ant.9	level7	5.3G 802.11ac80	Front Side	0	58	5290	0.08	0.116	98.72	1.013	12.95	14.00	1.274	0.150	/
	level7		Back Side	0	58	5290	-0.06	0.382	98.72	1.013	12.95	14.00	1.274	0.493	/
	level7		Left Edge	0	58	5290	0.12	0.000	98.72	1.013	12.95	14.00	1.274	0.000	/
	level7		Right Edge	0	58	5290	-0.05	0.512	98.72	1.013	12.95	14.00	1.274	0.660	/
	level7		Top Edge	0	58	5290	0.16	0.086	98.72	1.013	12.95	14.00	1.274	0.111	/
	level7		Bottom Edge	0	58	5290	0.06	0.010	98.72	1.013	12.95	14.00	1.274	0.013	/
Ant.9	level8	5.3G 802.11ac80	Front Side	0	58	5290	-0.11	0.093	98.72	1.013	11.89	13.00	1.291	0.122	/
	level8		Back Side	0	58	5290	0.03	0.308	98.72	1.013	11.89	13.00	1.291	0.403	/
	level8		Left Edge	0	58	5290	-0.01	0.000	98.72	1.013	11.89	13.00	1.291	0.000	/
	level8		Right Edge	0	58	5290	-0.03	0.405	98.72	1.013	11.89	13.00	1.291	0.530	/
	level8		Top Edge	0	58	5290	-0.07	0.064	98.72	1.013	11.89	13.00	1.291	0.084	/
	level8		Bottom Edge	0	58	5290	-0.15	0.006	98.72	1.013	11.89	13.00	1.291	0.008	/
MIMO	level5	5.3G 802.11ac80	Front Side	0	58	5290	-0.08	1.430	98.72	1.013	21.05	22.50	1.396	2.023	/
	level5		Back Side	0	58	5290	0.13	1.020	98.72	1.013	21.05	22.50	1.396	1.443	/
	level5		Left Edge	0	58	5290	-0.15	1.66	98.72	1.013	21.05	22.50	1.396	2.348	/
	level5		Right Edge	0	58	5290	0.03	1.880	98.72	1.013	21.05	22.50	1.396	**2.659**	75#
	level5		Top Edge	0	58	5290	0.17	1.730	98.72	1.013	21.05	22.50	1.396	2.447	/
	level5		Bottom Edge	0	58	5290	0.19	0.032	98.72	1.013	21.05	22.50	1.396	0.045	/
MIMO	level6	5.3G 802.11ac80	Front Side	0	58	5290	0.01	1.140	98.72	1.013	20.13	21.50	1.371	1.583	/
	level6		Back Side	0	58	5290	-0.09	0.820	98.72	1.013	20.13	21.50	1.371	1.139	/
	level6		Left Edge	0	58	5290	0.00	1.33	98.72	1.013	20.13	21.50	1.371	1.852	/
	level6		Right Edge	0	58	5290	-0.07	1.460	98.72	1.013	20.13	21.50	1.371	2.027	/
	level6		Top Edge	0	58	5290	0.14	1.320	98.72	1.013	20.13	21.50	1.371	1.833	/
	level6		Bottom Edge	0	58	5290	0.18	0.023	98.72	1.013	20.13	21.50	1.371	0.032	/
MIMO	level7	5.3G 802.11ac80	Front Side	0	58	5290	-0.19	0.383	98.72	1.013	15.69	17.00	1.352	0.525	/
	level7		Back Side	0	58	5290	0.05	0.271	98.72	1.013	15.69	17.00	1.352	0.371	/
	level7		Left Edge	0	58	5290	0.00	0.445	98.72	1.013	15.69	17.00	1.352	0.609	/
	level7		Right Edge	0	58	5290	-0.03	0.482	98.72	1.013	15.69	17.00	1.352	0.660	/
	level7		Top Edge	0	58	5290	-0.09	0.440	98.72	1.013	15.69	17.00	1.352	0.603	/
	level7		Bottom Edge	0	58	5290	0.03	0.006	98.72	1.013	15.69	17.00	1.352	0.008	/
MIMO	level8	5.3G 802.11ac80	Front Side	0	58	5290	0.11	0.305	98.72	1.013	14.62	16.00	1.374	0.425	/
	level8		Back Side	0	58	5290	-0.03	0.214	98.72	1.013	14.62	16.00	1.374	0.298	/
	level8		Left Edge	0	58	5290	0.00	0.352	98.72	1.013	14.62	16.00	1.374	0.490	/

	level8		Right Edge	0	58	5290	0.14	0.381	98.72	1.013	14.62	16.00	1.374	0.530	/
	level8		Top Edge	0	58	5290	0.06	0.352	98.72	1.013	14.62	16.00	1.374	0.490	/
	level8		Bottom Edge	0	58	5290	0.09	0.000	98.72	1.013	14.62	16.00	1.374	0.000	/
Ant.8	level5	5.6G 802.11ac160	Front Side	0	114	5570	-0.18	1.860	99.10	1.009	18.18	19.50	1.355	2.544	/
	level5		Back Side	0	114	5570	0.01	1.020	99.10	1.009	18.18	19.50	1.355	1.395	/
	level5		Left Edge	0	114	5570	-0.03	1.870	99.10	1.009	18.18	19.50	1.355	2.557	/
	level5		Right Edge	0	114	5570	-0.16	0.266	99.10	1.009	18.18	19.50	1.355	0.364	/
	level5		Top Edge	0	114	5570	-0.13	1.980	99.10	1.009	18.18	19.50	1.355	2.708	/
	level5		Bottom Edge	0	114	5570	0.13	0.052	99.10	1.009	18.18	19.50	1.355	0.071	/
Ant.8	level6	5.6G 802.11ac160	Front Side	0	114	5570	-0.06	1.510	99.10	1.009	17.32	18.50	1.312	1.999	/
	level6		Back Side	0	114	5570	-0.11	0.820	99.10	1.009	17.32	18.50	1.312	1.086	/
	level6		Left Edge	0	114	5570	-0.13	1.500	99.10	1.009	17.32	18.50	1.312	1.986	/
	level6		Right Edge	0	114	5570	-0.13	0.214	99.10	1.009	17.32	18.50	1.312	0.283	/
	level6		Top Edge	0	114	5570	-0.03	1.600	99.10	1.009	17.32	18.50	1.312	2.119	/
	level6		Bottom Edge	0	114	5570	-0.12	0.038	99.10	1.009	17.32	18.50	1.312	0.050	/
Ant.8	level7	5.6G 802.11ac160	Front Side	0	114	5570	-0.11	0.505	99.10	1.009	12.98	14.00	1.265	0.644	/
	level7		Back Side	0	114	5570	-0.17	0.271	99.10	1.009	12.98	14.00	1.265	0.346	/
	level7		Left Edge	0	114	5570	-0.08	0.500	99.10	1.009	12.98	14.00	1.265	0.638	/
	level7		Right Edge	0	114	5570	-0.08	0.071	99.10	1.009	12.98	14.00	1.265	0.091	/
	level7		Top Edge	0	114	5570	-0.12	0.533	99.10	1.009	12.98	14.00	1.265	0.680	/
	level7		Bottom Edge	0	114	5570	-0.17	0.012	99.10	1.009	12.98	14.00	1.265	0.015	/
Ant.8	level8	5.6G 802.11ac160	Front Side	0	114	5570	-0.10	0.402	99.10	1.009	11.98	13.00	1.265	0.513	/
	level8		Back Side	0	114	5570	-0.01	0.214	99.10	1.009	11.98	13.00	1.265	0.273	/
	level8		Left Edge	0	114	5570	0.00	0.400	99.10	1.009	11.98	13.00	1.265	0.510	/
	level8		Right Edge	0	114	5570	-0.18	0.055	99.10	1.009	11.98	13.00	1.265	0.070	/
	level8		Top Edge	0	114	5570	-0.12	0.425	99.10	1.009	11.98	13.00	1.265	0.542	/
	level8		Bottom Edge	0	114	5570	0.13	0.010	99.10	1.009	11.98	13.00	1.265	0.013	/
Ant.9	level5	5.6G 802.11ac160	Front Side	0	114	5570	0.16	0.288	99.10	1.009	18.34	19.50	1.306	0.380	/
	level5		Back Side	0	114	5570	-0.08	1.040	99.10	1.009	18.34	19.50	1.306	1.371	/
	level5		Left Edge	0	114	5570	0.02	0.012	99.10	1.009	18.34	19.50	1.306	0.016	/
	level5		Right Edge	0	114	5570	-0.08	1.170	99.10	1.009	18.34	19.50	1.306	1.542	/
	level5		Top Edge	0	114	5570	-0.19	0.414	99.10	1.009	18.34	19.50	1.306	0.546	/
	level5		Bottom Edge	0	114	5570	-0.01	0.053	99.10	1.009	18.34	19.50	1.306	0.070	/
Ant.9	level6	5.6G 802.11ac160	Front Side	0	114	5570	0.10	0.230	99.10	1.009	17.38	18.50	1.294	0.300	/
	level6		Back Side	0	114	5570	-0.09	0.835	99.10	1.009	17.38	18.50	1.294	1.090	/
	level6		Left Edge	0	114	5570	-0.13	0.010	99.10	1.009	17.38	18.50	1.294	0.013	/
	level6		Right Edge	0	114	5570	0.02	0.934	99.10	1.009	17.38	18.50	1.294	1.220	/
	level6		Top Edge	0	114	5570	-0.16	0.325	99.10	1.009	17.38	18.50	1.294	0.424	/
	level6		Bottom Edge	0	114	5570	0.17	0.041	99.10	1.009	17.38	18.50	1.294	0.054	/
Ant.9	level7	5.6G 802.11ac160	Front Side	0	114	5570	0.15	0.075	99.10	1.009	13.14	14.00	1.219	0.092	/
	level7		Back Side	0	114	5570	-0.18	0.280	99.10	1.009	13.14	14.00	1.219	0.344	/
	level7		Left Edge	0	114	5570	-0.12	0.000	99.10	1.009	13.14	14.00	1.219	0.000	/
	level7		Right Edge	0	114	5570	-0.18	0.310	99.10	1.009	13.14	14.00	1.219	0.381	/
	level7		Top Edge	0	114	5570	0.02	0.102	99.10	1.009	13.14	14.00	1.219	0.125	/
	level7		Bottom Edge	0	114	5570	0.19	0.012	99.10	1.009	13.14	14.00	1.219	0.015	/

Ant.9	level8	5.6G 802.11ac160	Front Side	0	114	5570	-0.13	0.057	99.10	1.009	12.11	13.00	1.227	0.071	/
	level8		Back Side	0	114	5570	-0.14	0.221	99.10	1.009	12.11	13.00	1.227	0.274	/
	level8		Left Edge	0	114	5570	0.14	0.000	99.10	1.009	12.11	13.00	1.227	0.000	/
	level8		Right Edge	0	114	5570	-0.15	0.245	99.10	1.009	12.11	13.00	1.227	0.303	/
	level8		Top Edge	0	114	5570	-0.14	0.078	99.10	1.009	12.11	13.00	1.227	0.097	/
	level8		Bottom Edge	0	114	5570	0.19	0.010	99.10	1.009	12.11	13.00	1.227	0.012	/
MIMO	level5	5.6G 802.11ac160	Front Side	0	114	5570	0.12	1.760	99.10	1.009	21.27	22.50	1.327	2.357	/
	level5		Back Side	0	114	5570	0.03	1.250	99.10	1.009	21.27	22.50	1.327	1.674	/
	level5		Left Edge	0	114	5570	-0.12	1.800	99.10	1.009	21.27	22.50	1.327	2.411	/
	level5		Right Edge	0	114	5570	-0.08	1.430	99.10	1.009	21.27	22.50	1.327	1.915	/
	level5		Top Edge	0	114	5570	0.00	2.040	99.10	1.009	21.27	22.50	1.327	**2.732**	76#
	level5		Bottom Edge	0	114	5570	0.03	0.049	99.10	1.009	21.27	22.50	1.327	0.066	/
MIMO	level6	5.6G 802.11ac160	Front Side	0	114	5570	-0.06	1.400	99.10	1.009	20.36	21.50	1.300	1.837	/
	level6		Back Side	0	114	5570	-0.08	0.986	99.10	1.009	20.36	21.50	1.300	1.294	/
	level6		Left Edge	0	114	5570	0.11	1.410	99.10	1.009	20.36	21.50	1.300	1.850	/
	level6		Right Edge	0	114	5570	0.00	1.120	99.10	1.009	20.36	21.50	1.300	1.469	/
	level6		Top Edge	0	114	5570	-0.12	1.540	99.10	1.009	20.36	21.50	1.300	2.020	/
	level6		Bottom Edge	0	114	5570	0.10	0.032	99.10	1.009	20.36	21.50	1.300	0.042	/
MIMO	level7	5.6G 802.11ac160	Front Side	0	114	5570	0.18	0.465	99.10	1.009	16.07	17.00	1.239	0.581	/
	level7		Back Side	0	114	5570	0.05	0.321	99.10	1.009	16.07	17.00	1.239	0.401	/
	level7		Left Edge	0	114	5570	0.01	0.464	99.10	1.009	16.07	17.00	1.239	0.580	/
	level7		Right Edge	0	114	5570	0.13	0.372	99.10	1.009	16.07	17.00	1.239	0.465	/
	level7		Top Edge	0	114	5570	0.14	0.512	99.10	1.009	16.07	17.00	1.239	0.640	/
	level7		Bottom Edge	0	114	5570	0.00	0.010	99.10	1.009	16.07	17.00	1.239	0.013	/
MIMO	level8	5.6G 802.11ac160	Front Side	0	114	5570	0.09	0.371	99.10	1.009	15.06	16.00	1.242	0.465	/
	level8		Back Side	0	114	5570	-0.04	0.254	99.10	1.009	15.06	16.00	1.242	0.318	/
	level8		Left Edge	0	114	5570	0.19	0.367	99.10	1.009	15.06	16.00	1.242	0.460	/
	level8		Right Edge	0	114	5570	0.13	0.292	99.10	1.009	15.06	16.00	1.242	0.366	/
	level8		Top Edge	0	114	5570	-0.16	0.410	99.10	1.009	15.06	16.00	1.242	0.514	/
	level8		Bottom Edge	0	114	5570	0.19	0.006	99.10	1.009	15.06	16.00	1.242	0.008	/
Ant.8	level5	5.8G 802.11ac80	Top Edge	0	155	5775	-0.11	1.540	98.72	1.013	18.35	19.50	1.303	2.033	/
Ant.8	level6	5.8G 802.11ac80	Top Edge	0	155	5775	-0.12	1.250	98.72	1.013	17.23	18.50	1.340	1.696	/
Ant.8	level7	5.8G 802.11ac80	Top Edge	0	155	5775	0.05	0.429	98.72	1.013	13.06	14.00	1.242	0.540	/
Ant.8	level8	5.8G 802.11ac80	Top Edge	0	155	5775	0.17	0.340	98.72	1.013	11.88	13.00	1.294	0.446	/
MIMO	level5	5.8G 802.11ac80	Top Edge	0	155	5775	-0.18	1.800	98.72	1.013	21.35	22.50	1.303	**2.376**	77#
MIMO	level6	5.8G 802.11ac80	Top Edge	0	155	5775	-0.14	1.410	98.72	1.013	20.20	21.50	1.349	1.927	/
MIMO	level7	5.8G 802.11ac80	Top Edge	0	155	5775	0.19	0.493	98.72	1.013	16.01	17.00	1.256	0.627	/
MIMO	level8	5.8G 802.11ac80	Top Edge	0	155	5775	0.15	0.391	98.72	1.013	14.85	16.00	1.303	0.516	/

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

10.27 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle Setting	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.8	Bluetooth	Left Cheek	0	0	2402	-0.14	0.439	76.34	1.310	13.93	14.00	1.016	**0.584**	78#
		Left Tilt	0	0	2402	0.10	0.246	76.34	1.310	13.93	14.00	1.016	0.327	/
		Right Cheek	0	0	2402	-0.09	0.130	76.34	1.310	13.93	14.00	1.016	0.173	/
		Right Tilt	0	0	2402	0.05	0.123	76.34	1.310	13.93	14.00	1.016	0.164	/
Body -worn														
Ant.8	Bluetooth	Front Side	15	0	2402	0.12	0.029	76.34	1.310	13.93	14.00	1.016	0.039	/
		Back Side	15	0	2402	-0.15	0.038	76.34	1.310	13.93	14.00	1.016	**0.050**	79#
Hotspot														
Ant.8	Bluetooth	Front Side	10	0	2402	0.06	0.068	76.34	1.310	13.93	14.00	1.016	0.091	/
		Back Side	10	0	2402	-0.19	0.082	76.34	1.310	13.93	14.00	1.016	**0.109**	80#
		Left Edge	10	0	2402	-0.08	0.054	76.34	1.310	13.93	14.00	1.016	0.072	/
		Top Edge	10	0	2402	0.13	0.050	76.34	1.310	13.93	14.00	1.016	0.067	/

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

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.

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
5500	5G WIFI	Specific	Top Edge	2.040	Yes	2.010	1.01
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

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
1	WLAN 5GHz(Ant.8) + BT(Ant.8)	Yes	Yes	Yes
2	WLAN 5GHz(Ant.9) + BT(Ant.8)	Yes	Yes	Yes
3	WLAN 5GHz MIMO+ BT(Ant.8)	Yes	Yes	Yes
4	WLAN 2.4GHz (Ant.8)+ WLAN 5GHz (Ant.8)	Yes	Yes	Yes
5	WLAN 2.4GHz (Ant.8)+ WLAN 5GHz (Ant.9)	Yes	Yes	Yes
6	WLAN 2.4GHz (Ant.9)+ WLAN 5GHz (Ant.8)	Yes	Yes	Yes
7	WLAN 2.4GHz (Ant.9)+ WLAN 5GHz (Ant.9)	Yes	Yes	Yes
8	WLAN 5GHz MIMO+ WLAN 2.4GHz (Ant.8)	Yes	Yes	Yes
9	WLAN 5GHz MIMO+ WLAN 2.4GHz (Ant.9)	Yes	Yes	Yes
10	WLAN 2.4GHz MIMO+ WLAN 5GHz (Ant.8)	Yes	Yes	Yes
11	WLAN 2.4GHz MIMO+ WLAN 5GHz (Ant.9)	Yes	Yes	Yes
12	WWAN + WLAN 5GHz(Ant.8) + BT(Ant.8)	Yes	Yes	Yes
13	WWAN + WLAN 5GHz(Ant.9) + BT(Ant.8)	Yes	Yes	Yes
14	WWAN + WLAN 5GHz MIMO+ BT(Ant.8)	Yes	Yes	Yes
15	WWAN + WLAN 2.4GHz (Ant.8)+ WLAN 5GHz (Ant.8)	Yes	Yes	Yes
16	WWAN + WLAN 2.4GHz (Ant.8)+ WLAN 5GHz (Ant.9)	Yes	Yes	Yes
17	WWAN + WLAN 2.4GHz (Ant.9)+ WLAN 5GHz (Ant.8)	Yes	Yes	Yes
18	WWAN + WLAN 2.4GHz (Ant.9)+ WLAN 5GHz (Ant.9)	Yes	Yes	Yes
19	WWAN + WLAN 5GHz MIMO+ WLAN 2.4GHz (Ant.8)	Yes	Yes	Yes
20	WWAN + WLAN 5GHz MIMO+ WLAN 2.4GHz (Ant.9)	Yes	Yes	Yes
21	WWAN + WLAN 2.4GHz MIMO+ WLAN 5GHz (Ant.8)	Yes	Yes	Yes
22	WWAN + WLAN 2.4GHz MIMO+ WLAN 5GHz (Ant.9)	Yes	Yes	Yes
23	WWAN + WLAN 2.4GHz MIMO+ WLAN 5GHz MIMO	Yes	Yes	Yes

Note:

1. 2G&3G&4&5G share the same antenna and can't transmit simultaneously.
2. 2.4G WLAN can't transmit simultaneously with Bluetooth.
3. Two WWAN antennas can switch automatically, but up and down antenna can't transmit simultaneously.
4. The maximum SAR summation is calculated based on the same configuration and test position.
5. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
6. This device 2.4GHz WLAN/5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz WLAN/5.5GHz WLAN supports WiFi Direct (GC only)

12.2 Sum SAR of Simultaneous Transmission

12.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN and 2.4G WLAN with 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	2.4GWIFI Max.	5GWIFI Max.	Bluetooth	WWAN+WIFI2.4G (1+2)	WWAN+WIFI5G +BT(1+3+4)	WWAN+WIFI2.4G +WIFI5G(1+2+3)
GSM850	Ant.1	Left Cheek	0.234	0.221	0.397	0.584	0.454	1.215	0.851
		Left Tilt	0.225	0.128	0.355	0.327	0.353	0.908	0.708
		Right Cheek	0.320	0.078	0.306	0.173	0.398	0.799	0.704
		Right Tilt	0.304	0.069	0.317	0.164	0.373	0.784	0.689
GSM850	Ant.0	Left Cheek	0.083	0.221	0.397	0.584	0.303	1.064	0.700
		Left Tilt	0.000	0.128	0.355	0.327	0.128	0.682	0.483
		Right Cheek	0.060	0.078	0.306	0.173	0.138	0.539	0.444
		Right Tilt	0.000	0.069	0.317	0.164	0.069	0.480	0.385
GSM1900	Ant.1	Left Cheek	0.134	0.221	0.397	0.584	0.355	1.115	0.752
		Left Tilt	0.183	0.128	0.355	0.327	0.311	0.865	0.666
		Right Cheek	0.196	0.078	0.306	0.173	0.274	0.675	0.580
		Right Tilt	0.254	0.069	0.317	0.164	0.322	0.734	0.639
GSM1900	Ant.0	Left Cheek	0.066	0.221	0.397	0.584	0.287	1.047	0.683
		Left Tilt	0.000	0.128	0.355	0.327	0.128	0.682	0.483
		Right Cheek	0.047	0.078	0.306	0.173	0.125	0.527	0.431
		Right Tilt	0.000	0.069	0.317	0.164	0.069	0.480	0.385
WCDMA B2	Ant.1	Left Cheek	0.332	0.221	0.397	0.584	0.553	1.313	0.950
		Left Tilt	0.445	0.128	0.355	0.327	0.573	1.127	0.928
		Right Cheek	0.489	0.078	0.306	0.173	0.567	0.969	0.874
		Right Tilt	0.627	0.069	0.317	0.164	0.696	1.108	1.013
WCDMA B2	Ant.0	Left Cheek	0.133	0.221	0.397	0.584	0.354	1.114	0.751
		Left Tilt	0.072	0.128	0.355	0.327	0.199	0.754	0.554
		Right Cheek	0.104	0.078	0.306	0.173	0.182	0.583	0.488
		Right Tilt	0.099	0.069	0.317	0.164	0.167	0.579	0.484
WCDMA B4	Ant.1	Left Cheek	0.265	0.221	0.397	0.584	0.486	1.246	0.882
		Left Tilt	0.347	0.128	0.355	0.327	0.475	1.029	0.830
		Right Cheek	0.362	0.078	0.306	0.173	0.440	0.841	0.746
		Right Tilt	0.465	0.069	0.317	0.164	0.534	0.945	0.850
WCDMA B4	Ant.0	Left Cheek	0.096	0.221	0.397	0.584	0.317	1.077	0.714
		Left Tilt	0.052	0.128	0.355	0.327	0.180	0.735	0.535
		Right Cheek	0.094	0.078	0.306	0.173	0.172	0.573	0.478
		Right Tilt	0.052	0.069	0.317	0.164	0.121	0.533	0.438
WCDMA B5	Ant.1	Left Cheek	0.313	0.221	0.397	0.584	0.533	1.294	0.930
		Left Tilt	0.309	0.128	0.355	0.327	0.437	0.991	0.792
		Right Cheek	0.460	0.078	0.306	0.173	0.538	0.939	0.844
		Right Tilt	0.457	0.069	0.317	0.164	0.526	0.938	0.843
WCDMA B5	Ant.0	Left Cheek	0.155	0.221	0.397	0.584	0.376	1.136	0.772

		Left Tilt	0.075	0.128	0.355	0.327	0.203	0.757	0.558
		Right Cheek	0.118	0.078	0.306	0.173	0.196	0.598	0.503
		Right Tilt	0.065	0.069	0.317	0.164	0.134	0.545	0.450
LTE B2	Ant.1	Left Cheek	0.321	0.221	0.397	0.584	0.542	1.303	0.939
		Left Tilt	0.399	0.128	0.355	0.327	0.527	1.081	0.882
		Right Cheek	0.428	0.078	0.306	0.173	0.506	0.907	0.812
		Right Tilt	0.550	0.069	0.317	0.164	0.619	1.030	0.935
LTE B2	Ant.0	Left Cheek	0.163	0.221	0.397	0.584	0.384	1.144	0.781
		Left Tilt	0.066	0.128	0.355	0.327	0.194	0.749	0.549
		Right Cheek	0.118	0.078	0.306	0.173	0.196	0.597	0.502
		Right Tilt	0.087	0.069	0.317	0.164	0.156	0.568	0.473
LTE B4	Ant.1	Left Cheek	0.264	0.221	0.397	0.584	0.485	1.246	0.882
		Left Tilt	0.329	0.128	0.355	0.327	0.457	1.012	0.812
		Right Cheek	0.353	0.078	0.306	0.173	0.431	0.832	0.737
		Right Tilt	0.446	0.069	0.317	0.164	0.515	0.927	0.832
LTE B4	Ant.0	Left Cheek	0.103	0.221	0.397	0.584	0.324	1.084	0.721
		Left Tilt	0.054	0.128	0.355	0.327	0.181	0.736	0.536
		Right Cheek	0.102	0.078	0.306	0.173	0.180	0.581	0.486
		Right Tilt	0.070	0.069	0.317	0.164	0.139	0.551	0.456
LTE B5	Ant.1	Left Cheek	0.354	0.221	0.397	0.584	0.575	1.335	0.972
		Left Tilt	0.331	0.128	0.355	0.327	0.459	1.013	0.814
		Right Cheek	0.460	0.078	0.306	0.173	0.538	0.939	0.844
		Right Tilt	0.492	0.069	0.317	0.164	0.561	0.973	0.878
LTE B5	Ant.0	Left Cheek	0.151	0.221	0.397	0.584	0.372	1.132	0.768
		Left Tilt	0.074	0.128	0.355	0.327	0.202	0.756	0.556
		Right Cheek	0.120	0.078	0.306	0.173	0.198	0.599	0.504
		Right Tilt	0.069	0.069	0.317	0.164	0.138	0.550	0.455
LTE B7	Ant.1	Left Cheek	0.159	0.221	0.397	0.584	0.379	1.140	0.776
		Left Tilt	0.211	0.128	0.355	0.327	0.338	0.893	0.693
		Right Cheek	0.412	0.078	0.306	0.173	0.490	0.891	0.796
		Right Tilt	0.503	0.069	0.317	0.164	0.572	0.983	0.888
LTE B7	Ant.0	Left Cheek	0.237	0.221	0.397	0.584	0.458	1.218	0.854
		Left Tilt	0.160	0.128	0.355	0.327	0.288	0.843	0.643
		Right Cheek	0.425	0.078	0.306	0.173	0.503	0.905	0.810
		Right Tilt	0.258	0.069	0.317	0.164	0.326	0.738	0.643
LTE B12	Ant.1	Left Cheek	0.361	0.221	0.397	0.584	0.582	1.342	0.979
		Left Tilt	0.355	0.128	0.355	0.327	0.483	1.037	0.838
		Right Cheek	0.545	0.078	0.306	0.173	0.623	1.024	0.929
		Right Tilt	0.567	0.069	0.317	0.164	0.636	1.047	0.952
LTE B12	Ant.0	Left Cheek	0.110	0.221	0.397	0.584	0.331	1.091	0.727
		Left Tilt	0.056	0.128	0.355	0.327	0.184	0.738	0.539
		Right Cheek	0.086	0.078	0.306	0.173	0.164	0.565	0.470
		Right Tilt	0.000	0.069	0.317	0.164	0.069	0.480	0.385
LTE B13	Ant.1	Left Cheek	0.316	0.221	0.397	0.584	0.537	1.297	0.934
		Left Tilt	0.303	0.128	0.355	0.327	0.430	0.985	0.785

		Right Cheek	0.460	0.078	0.306	0.173	0.538	0.939	0.844
		Right Tilt	0.487	0.069	0.317	0.164	0.556	0.968	0.873
LTE B13	Ant.0	Left Cheek	0.126	0.221	0.397	0.584	0.347	1.107	0.744
		Left Tilt	0.062	0.128	0.355	0.327	0.190	0.744	0.544
		Right Cheek	0.095	0.078	0.306	0.173	0.173	0.574	0.479
		Right Tilt	0.000	0.069	0.317	0.164	0.069	0.480	0.385
LTE B17	Ant.1	Left Cheek	0.330	0.221	0.397	0.584	0.551	1.311	0.948
		Left Tilt	0.324	0.128	0.355	0.327	0.452	1.006	0.806
		Right Cheek	0.498	0.078	0.306	0.173	0.577	0.978	0.883
		Right Tilt	0.531	0.069	0.317	0.164	0.600	1.012	0.917
LTE B17	Ant.0	Left Cheek	0.115	0.221	0.397	0.584	0.336	1.096	0.733
		Left Tilt	0.058	0.128	0.355	0.327	0.186	0.740	0.541
		Right Cheek	0.081	0.078	0.306	0.173	0.159	0.560	0.465
		Right Tilt	0.000	0.069	0.317	0.164	0.069	0.480	0.385
LTE B26	Ant.1	Left Cheek	0.377	0.221	0.397	0.584	0.598	**1.359**	0.995
		Left Tilt	0.373	0.128	0.355	0.327	0.500	1.055	0.855
		Right Cheek	0.459	0.078	0.306	0.173	0.537	0.938	0.843
		Right Tilt	0.513	0.069	0.317	0.164	0.582	0.994	0.899
LTE B26	Ant.0	Left Cheek	0.124	0.221	0.397	0.584	0.345	1.105	0.742
		Left Tilt	0.061	0.128	0.355	0.327	0.189	0.743	0.543
		Right Cheek	0.109	0.078	0.306	0.173	0.187	0.588	0.493
		Right Tilt	0.052	0.069	0.317	0.164	0.121	0.533	0.438
LTE B66	Ant.1	Left Cheek	0.335	0.221	0.397	0.584	0.556	1.316	0.953
		Left Tilt	0.413	0.128	0.355	0.327	0.541	1.095	0.895
		Right Cheek	0.450	0.078	0.306	0.173	0.528	0.929	0.834
		Right Tilt	0.574	0.069	0.317	0.164	0.643	1.055	0.960
LTE B66	Ant.0	Left Cheek	0.108	0.221	0.397	0.584	0.329	1.089	0.726
		Left Tilt	0.055	0.128	0.355	0.327	0.183	0.737	0.537
		Right Cheek	0.092	0.078	0.306	0.173	0.170	0.572	0.477
		Right Tilt	0.052	0.069	0.317	0.164	0.121	0.533	0.438
LTE B38	Ant.1	Left Cheek	0.218	0.221	0.397	0.584	0.439	1.199	0.836
		Left Tilt	0.277	0.128	0.355	0.327	0.405	0.959	0.759
		Right Cheek	0.565	0.078	0.306	0.173	0.643	1.044	0.949
		Right Tilt	0.622	0.069	0.317	0.164	0.691	1.102	1.007
LTE B38	Ant.0	Left Cheek	0.155	0.221	0.397	0.584	0.376	1.136	0.773
		Left Tilt	0.084	0.128	0.355	0.327	0.212	0.766	0.566
		Right Cheek	0.234	0.078	0.306	0.173	0.312	0.713	0.618
		Right Tilt	0.135	0.069	0.317	0.164	0.203	0.615	0.520
LTE B41	Ant.1	Left Cheek	0.198	0.221	0.397	0.584	0.419	1.179	0.815
		Left Tilt	0.260	0.128	0.355	0.327	0.388	0.942	0.742
		Right Cheek	0.544	0.078	0.306	0.173	0.622	1.024	0.929
		Right Tilt	0.624	0.069	0.317	0.164	0.692	1.104	1.009
LTE B41	Ant.0	Left Cheek	0.151	0.221	0.397	0.584	0.372	1.132	0.769
		Left Tilt	0.070	0.128	0.355	0.327	0.198	0.753	0.553
		Right Cheek	0.222	0.078	0.306	0.173	0.300	0.702	0.607

		Right Tilt	0.127	0.069	0.317	0.164	0.196	0.608	0.513
n5	Ant.1	Left Cheek	0.287	0.221	0.397	0.584	0.508	1.268	0.905
		Left Tilt	0.291	0.128	0.355	0.327	0.419	0.973	0.774
		Right Cheek	0.447	0.078	0.306	0.173	0.525	0.926	0.831
		Right Tilt	0.376	0.069	0.317	0.164	0.445	0.856	0.761
n5	Ant.0	Left Cheek	0.000	0.221	0.397	0.584	0.221	0.981	0.618
		Left Tilt	0.000	0.128	0.355	0.327	0.128	0.682	0.483
		Right Cheek	0.056	0.078	0.306	0.173	0.134	0.535	0.440
		Right Tilt	0.000	0.069	0.317	0.164	0.069	0.480	0.385
n7	Ant.1	Left Cheek	0.193	0.221	0.397	0.584	0.414	1.174	0.811
		Left Tilt	0.288	0.128	0.355	0.327	0.416	0.970	0.771
		Right Cheek	0.486	0.078	0.306	0.173	0.564	0.965	0.870
		Right Tilt	0.564	0.069	0.317	0.164	0.633	1.044	0.949
n7	Ant.0	Left Cheek	0.187	0.221	0.397	0.584	0.408	1.168	0.805
		Left Tilt	0.087	0.128	0.355	0.327	0.215	0.769	0.570
		Right Cheek	0.202	0.078	0.306	0.173	0.280	0.681	0.586
		Right Tilt	0.152	0.069	0.317	0.164	0.221	0.632	0.537
n38	Ant.1	Left Cheek	0.186	0.221	0.397	0.584	0.407	1.167	0.804
		Left Tilt	0.263	0.128	0.355	0.327	0.391	0.945	0.746
		Right Cheek	0.550	0.078	0.306	0.173	0.628	1.029	0.934
		Right Tilt	0.590	0.069	0.317	0.164	0.659	1.070	0.975
n38	Ant.0	Left Cheek	0.213	0.221	0.397	0.584	0.434	1.194	0.831
		Left Tilt	0.112	0.128	0.355	0.327	0.240	0.794	0.595
		Right Cheek	0.326	0.078	0.306	0.173	0.404	0.805	0.710
		Right Tilt	0.141	0.069	0.317	0.164	0.210	0.621	0.526
n41	Ant.1	Left Cheek	0.179	0.221	0.397	0.584	0.400	1.160	0.797
		Left Tilt	0.205	0.128	0.355	0.327	0.333	0.887	0.688
		Right Cheek	0.418	0.078	0.306	0.173	0.496	0.897	0.802
		Right Tilt	0.513	0.069	0.317	0.164	0.582	0.993	0.898
n41	Ant.0	Left Cheek	0.210	0.221	0.397	0.584	0.431	1.191	0.828
		Left Tilt	0.129	0.128	0.355	0.327	0.257	0.811	0.612
		Right Cheek	0.371	0.078	0.306	0.173	0.449	0.850	0.755
		Right Tilt	0.143	0.069	0.317	0.164	0.212	0.623	0.528
n66	Ant.1	Left Cheek	0.307	0.221	0.397	0.584	0.528	1.288	0.925
		Left Tilt	0.402	0.128	0.355	0.327	0.530	1.084	0.885
		Right Cheek	0.431	0.078	0.306	0.173	0.509	0.910	0.815
		Right Tilt	0.573	0.069	0.317	0.164	0.642	1.053	0.958
n66	Ant.0	Left Cheek	0.064	0.221	0.397	0.584	0.285	1.045	0.682
		Left Tilt	0.000	0.128	0.355	0.327	0.128	0.682	0.483
		Right Cheek	0.067	0.078	0.306	0.173	0.145	0.546	0.451
		Right Tilt	0.000	0.069	0.317	0.164	0.069	0.480	0.385

Note:

1: The simultaneous transmission combinations of the three 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 1.359 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.2 Body Simultaneous Transmission SAR Evaluation for WWAN and 2.4G WLAN with 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	2.4GWIFI Max.	5GWIFI Max.	Bluetooth	WWAN+WIFI2.4G (1+2)	WWAN+WIFI5G +BT(1+3+4)	WWAN+WIFI2.4G +WIFI5G(1+2+3)
GSM850	Ant.1	Front Side 10mm	0.226	0.204	0.253	0.091	0.429	0.569	0.682
		Back Side 10mm	0.298	0.321	0.324	0.109	0.619	0.731	0.943
		Left Edge 10mm	0.137	0.144	0.298	0.072	0.281	0.507	0.579
		Right Edge 10mm	0.129	0.079	0.240	0.000	0.208	0.369	0.448
		Top Edge 10mm	0.173	0.545	0.469	0.067	0.718	0.709	1.188
GSM850	Ant.0	Front Side 10mm	0.089	0.204	0.253	0.091	0.293	0.432	0.545
		Back Side 10mm	0.111	0.321	0.324	0.109	0.432	0.545	0.756
		Left Edge 10mm	0.006	0.144	0.298	0.072	0.151	0.376	0.448
		Right Edge 10mm	0.060	0.079	0.240	0.000	0.139	0.300	0.379
		Bottom Edge 10mm	0.083	/	/	/	/	/	/
GSM1900	Ant.1	Front Side 10mm	0.134	0.204	0.253	0.091	0.338	0.477	0.591
		Back Side 10mm	0.230	0.321	0.324	0.109	0.550	0.663	0.875
		Left Edge 10mm	0.004	0.144	0.298	0.072	0.148	0.374	0.446
		Right Edge 10mm	0.024	0.079	0.240	0.000	0.102	0.264	0.342
		Top Edge 10mm	0.340	0.545	0.469	0.067	0.885	0.876	1.355
GSM1900	Ant.0	Front Side 10mm	0.166	0.204	0.253	0.091	0.370	0.510	0.623
		Back Side 10mm	0.235	0.321	0.324	0.109	0.556	0.669	0.881
		Left Edge 10mm	0.042	0.144	0.298	0.072	0.187	0.412	0.484
		Right Edge 10mm	0.030	0.079	0.240	0.000	0.109	0.270	0.349
		Bottom Edge 10mm	0.392	/	/	/	/	/	/
WCDMA B2	Ant.1	Front Side 10mm	0.185	0.204	0.253	0.091	0.389	0.528	0.641
		Back Side 10mm	0.293	0.321	0.324	0.109	0.614	0.726	0.938
		Left Edge 10mm	0.021	0.144	0.298	0.072	0.166	0.391	0.464
		Right Edge 10mm	0.043	0.079	0.240	0.000	0.122	0.283	0.362
		Top Edge 10mm	0.463	0.545	0.469	0.067	1.009	0.999	1.478
WCDMA B2	Ant.0	Front Side 10mm	0.062	0.204	0.253	0.091	0.266	0.405	0.519
		Back Side 10mm	0.095	0.321	0.324	0.109	0.416	0.528	0.740
		Left Edge 10mm	0.018	0.144	0.298	0.072	0.162	0.388	0.460
		Right Edge 10mm	0.003	0.079	0.240	0.000	0.082	0.243	0.322
		Bottom Edge 10mm	0.137	/	/	/	/	/	/
WCDMA B4	Ant.1	Front Side 10mm	0.155	0.204	0.253	0.091	0.359	0.499	0.612
		Back Side 10mm	0.241	0.321	0.324	0.109	0.562	0.674	0.886
		Left Edge 10mm	0.022	0.144	0.298	0.072	0.166	0.391	0.464
		Right Edge 10mm	0.032	0.079	0.240	0.000	0.111	0.272	0.351
		Top Edge 10mm	0.327	0.545	0.469	0.067	0.872	0.863	1.342
WCDMA B4	Ant.0	Front Side 10mm	0.072	0.204	0.253	0.091	0.276	0.416	0.529
		Back Side 10mm	0.107	0.321	0.324	0.109	0.428	0.541	0.752
		Left Edge 10mm	0.024	0.144	0.298	0.072	0.168	0.393	0.466
		Right Edge 10mm	0.005	0.079	0.240	0.000	0.083	0.244	0.323

		Bottom Edge 10mm	0.176	/	/	/	/	/	/
WCDMA B5	Ant.1	Front Side 10mm	0.130	0.204	0.253	0.091	0.334	0.473	0.587
		Back Side 10mm	0.180	0.321	0.324	0.109	0.500	0.613	0.825
		Left Edge 10mm	0.071	0.144	0.298	0.072	0.215	0.441	0.513
		Right Edge 10mm	0.064	0.079	0.240	0.000	0.143	0.304	0.383
		Top Edge 10mm	0.145	0.545	0.469	0.067	0.690	0.681	1.159
WCDMA B5	Ant.0	Front Side 10mm	0.108	0.204	0.253	0.091	0.312	0.451	0.565
		Back Side 10mm	0.127	0.321	0.324	0.109	0.448	0.561	0.773
		Left Edge 10mm	0.058	0.144	0.298	0.072	0.202	0.428	0.500
		Right Edge 10mm	0.100	0.079	0.240	0.000	0.179	0.340	0.419
		Bottom Edge 10mm	0.101	/	/	/	/	/	/
LTE B2	Ant.1	Front Side 10mm	0.249	0.204	0.253	0.091	0.453	0.592	0.705
		Back Side 10mm	0.437	0.321	0.324	0.109	0.758	0.870	1.082
		Left Edge 10mm	0.041	0.144	0.298	0.072	0.185	0.411	0.483
		Right Edge 10mm	0.054	0.079	0.240	0.000	0.132	0.293	0.372
		Top Edge 10mm	0.559	0.545	0.469	0.067	1.104	1.095	1.573
LTE B2	Ant.0	Front Side 10mm	0.245	0.204	0.253	0.091	0.449	0.588	0.702
		Back Side 10mm	0.371	0.321	0.324	0.109	0.692	0.805	1.017
		Left Edge 10mm	0.062	0.144	0.298	0.072	0.206	0.432	0.504
		Right Edge 10mm	0.047	0.079	0.240	0.000	0.126	0.287	0.366
		Bottom Edge 10mm	0.532	/	/	/	/	/	/
LTE B4	Ant.1	Front Side 10mm	0.162	0.204	0.253	0.091	0.366	0.505	0.619
		Back Side 10mm	0.249	0.321	0.324	0.109	0.570	0.682	0.894
		Left Edge 10mm	0.022	0.144	0.298	0.072	0.166	0.392	0.464
		Right Edge 10mm	0.031	0.079	0.240	0.000	0.110	0.271	0.350
		Top Edge 10mm	0.330	0.545	0.469	0.067	0.876	0.866	1.345
LTE B4	Ant.0	Front Side 10mm	0.184	0.204	0.253	0.091	0.388	0.527	0.641
		Back Side 10mm	0.259	0.321	0.324	0.109	0.580	0.692	0.904
		Left Edge 10mm	0.044	0.144	0.298	0.072	0.189	0.414	0.487
		Right Edge 10mm	0.025	0.079	0.240	0.000	0.104	0.265	0.344
		Bottom Edge 10mm	0.365	/	/	/	/	/	/
LTE B5	Ant.1	Front Side 10mm	0.176	0.204	0.253	0.091	0.380	0.519	0.633
		Back Side 10mm	0.210	0.321	0.324	0.109	0.531	0.644	0.855
		Left Edge 10mm	0.085	0.144	0.298	0.072	0.229	0.455	0.527
		Right Edge 10mm	0.094	0.079	0.240	0.000	0.173	0.334	0.413
		Top Edge 10mm	0.204	0.545	0.469	0.067	0.749	0.740	1.219
LTE B5	Ant.0	Front Side 10mm	0.136	0.204	0.253	0.091	0.340	0.480	0.593
		Back Side 10mm	0.167	0.321	0.324	0.109	0.487	0.600	0.812
		Left Edge 10mm	0.086	0.144	0.298	0.072	0.230	0.456	0.528
		Right Edge 10mm	0.116	0.079	0.240	0.000	0.195	0.356	0.435
		Bottom Edge 10mm	0.125	/	/	/	/	/	/
LTE B7	Ant.1	Front Side 10mm	0.148	0.204	0.253	0.091	0.351	0.491	0.604
		Back Side 10mm	0.345	0.321	0.324	0.109	0.666	0.778	0.990
		Left Edge 10mm	0.000	0.144	0.298	0.072	0.144	0.370	0.442
		Right Edge 10mm	0.101	0.079	0.240	0.000	0.180	0.341	0.419

		Top Edge 10mm	0.455	0.545	0.469	0.067	1.000	0.991	1.470
LTE B7	Ant.0	Front Side 10mm	0.284	0.204	0.253	0.091	0.488	0.627	0.741
		Back Side 10mm	0.332	0.321	0.324	0.109	0.653	0.766	0.978
		Left Edge 10mm	0.131	0.144	0.298	0.072	0.276	0.501	0.573
		Right Edge 10mm	0.052	0.079	0.240	0.000	0.131	0.292	0.371
		Bottom Edge 10mm	0.180	/	/	/	/	/	/
LTE B12	Ant.1	Front Side 10mm	0.119	0.204	0.253	0.091	0.322	0.462	0.575
		Back Side 10mm	0.188	0.321	0.324	0.109	0.509	0.621	0.833
		Left Edge 10mm	0.128	0.144	0.298	0.072	0.273	0.498	0.570
		Right Edge 10mm	0.165	0.079	0.240	0.000	0.244	0.405	0.484
		Top Edge 10mm	0.101	0.545	0.469	0.067	0.647	0.637	1.116
LTE B12	Ant.0	Front Side 10mm	0.094	0.204	0.253	0.091	0.298	0.438	0.551
		Back Side 10mm	0.143	0.321	0.324	0.109	0.464	0.576	0.788
		Left Edge 10mm	0.056	0.144	0.298	0.072	0.200	0.426	0.498
		Right Edge 10mm	0.102	0.079	0.240	0.000	0.181	0.342	0.421
		Bottom Edge 10mm	0.107	/	/	/	/	/	/
LTE B13	Ant.1	Front Side 10mm	0.116	0.204	0.253	0.091	0.320	0.459	0.573
		Back Side 10mm	0.164	0.321	0.324	0.109	0.484	0.597	0.809
		Left Edge 10mm	0.087	0.144	0.298	0.072	0.231	0.456	0.529
		Right Edge 10mm	0.109	0.079	0.240	0.000	0.187	0.349	0.427
		Top Edge 10mm	0.123	0.545	0.469	0.067	0.669	0.659	1.138
LTE B13	Ant.0	Front Side 10mm	0.144	0.204	0.253	0.091	0.348	0.487	0.601
		Back Side 10mm	0.153	0.321	0.324	0.109	0.474	0.586	0.798
		Left Edge 10mm	0.000	0.144	0.298	0.072	0.144	0.370	0.442
		Right Edge 10mm	0.090	0.079	0.240	0.000	0.169	0.330	0.409
		Bottom Edge 10mm	0.132	/	/	/	/	/	/
LTE B17	Ant.1	Front Side 10mm	0.133	0.204	0.253	0.091	0.337	0.476	0.590
		Back Side 10mm	0.187	0.321	0.324	0.109	0.508	0.621	0.832
		Left Edge 10mm	0.126	0.144	0.298	0.072	0.270	0.495	0.568
		Right Edge 10mm	0.164	0.079	0.240	0.000	0.243	0.404	0.483
		Top Edge 10mm	0.109	0.545	0.469	0.067	0.654	0.645	1.123
LTE B17	Ant.0	Front Side 10mm	0.098	0.204	0.253	0.091	0.302	0.442	0.555
		Back Side 10mm	0.146	0.321	0.324	0.109	0.467	0.580	0.792
		Left Edge 10mm	0.000	0.144	0.298	0.072	0.144	0.370	0.442
		Right Edge 10mm	0.097	0.079	0.240	0.000	0.176	0.337	0.416
		Bottom Edge 10mm	0.106	/	/	/	/	/	/
LTE B26	Ant.1	Front Side 10mm	0.162	0.204	0.253	0.091	0.366	0.505	0.619
		Back Side 10mm	0.228	0.321	0.324	0.109	0.548	0.661	0.873
		Left Edge 10mm	0.071	0.144	0.298	0.072	0.215	0.441	0.513
		Right Edge 10mm	0.081	0.079	0.240	0.000	0.160	0.321	0.400
		Top Edge 10mm	0.181	0.545	0.469	0.067	0.726	0.717	1.196
LTE B26	Ant.0	Front Side 10mm	0.117	0.204	0.253	0.091	0.321	0.460	0.573
		Back Side 10mm	0.149	0.321	0.324	0.109	0.470	0.582	0.794
		Left Edge 10mm	0.000	0.144	0.298	0.072	0.144	0.370	0.442
		Right Edge 10mm	0.063	0.079	0.240	0.000	0.142	0.303	0.382

		Bottom Edge 10mm	0.111	/	/	/	/	/	/
LTE B66	Ant.1	Front Side 10mm	0.148	0.204	0.253	0.091	0.351	0.491	0.604
		Back Side 10mm	0.225	0.321	0.324	0.109	0.546	0.658	0.870
		Left Edge 10mm	0.000	0.144	0.298	0.072	0.144	0.370	0.442
		Right Edge 10mm	0.039	0.079	0.240	0.000	0.118	0.279	0.358
		Top Edge 10mm	0.331	0.545	0.469	0.067	0.877	0.868	1.346
LTE B66	Ant.0	Front Side 10mm	0.168	0.204	0.253	0.091	0.372	0.512	0.625
		Back Side 10mm	0.242	0.321	0.324	0.109	0.563	0.676	0.888
		Left Edge 10mm	0.037	0.144	0.298	0.072	0.181	0.407	0.479
		Right Edge 10mm	0.027	0.079	0.240	0.000	0.106	0.267	0.346
		Bottom Edge 10mm	0.408	/	/	/	/	/	/
LTE B38	Ant.1	Front Side 10mm	0.169	0.204	0.253	0.091	0.373	0.513	0.626
		Back Side 10mm	0.362	0.321	0.324	0.109	0.683	0.795	1.007
		Left Edge 10mm	0.000	0.144	0.298	0.072	0.144	0.370	0.442
		Right Edge 10mm	0.095	0.079	0.240	0.000	0.173	0.335	0.413
		Top Edge 10mm	0.481	0.545	0.469	0.067	1.027	1.018	1.496
LTE B38	Ant.0	Front Side 10mm	0.470	0.204	0.253	0.091	0.674	0.813	0.927
		Back Side 10mm	0.476	0.321	0.324	0.109	0.797	0.910	1.122
		Left Edge 10mm	0.211	0.144	0.298	0.072	0.355	0.581	0.653
		Right Edge 10mm	0.079	0.079	0.240	0.000	0.158	0.319	0.397
		Bottom Edge 10mm	0.324	/	/	/	/	/	/
LTE B41	Ant.1	Front Side 10mm	0.180	0.204	0.253	0.091	0.384	0.523	0.637
		Back Side 10mm	0.401	0.321	0.324	0.109	0.722	0.834	1.046
		Left Edge 10mm	0.000	0.144	0.298	0.072	0.144	0.370	0.442
		Right Edge 10mm	0.115	0.079	0.240	0.000	0.193	0.354	0.433
		Top Edge 10mm	0.542	0.545	0.469	0.067	1.087	1.078	1.556
LTE B41	Ant.0	Front Side 10mm	0.313	0.204	0.253	0.091	0.517	0.657	0.770
		Back Side 10mm	0.355	0.321	0.324	0.109	0.676	0.789	1.000
		Left Edge 10mm	0.144	0.144	0.298	0.072	0.288	0.514	0.586
		Right Edge 10mm	0.050	0.079	0.240	0.000	0.129	0.290	0.369
		Bottom Edge 10mm	0.220	/	/	/	/	/	/
n5	Ant.1	Front Side 10mm	0.224	0.204	0.191	0.091	0.428	0.506	0.619
		Back Side 10mm	0.268	0.321	0.317	0.109	0.589	0.694	0.905
		Right Edge 10mm	0.075	0.079	0.240	0.000	0.154	0.315	0.394
		Top Edge 10mm	0.216	0.545	0.464	0.067	0.761	0.746	1.225
n5	Ant.0	Front Side 10mm	0.072	0.204	0.253	0.091	0.276	0.415	0.529
		Back Side 10mm	0.092	0.321	0.324	0.109	0.413	0.525	0.737
		Left Edge 10mm	0.012	0.144	0.298	0.072	0.156	0.382	0.454
		Right Edge 10mm	0.009	0.079	0.240	0.000	0.088	0.249	0.328
		Bottom Edge 10mm	0.134	/	/	/	/	/	/
n7	Ant.1	Front Side 10mm	0.224	0.204	0.191	0.091	0.428	0.506	0.619
		Back Side 10mm	0.347	0.321	0.317	0.109	0.668	0.773	0.984
		Right Edge 10mm	0.164	0.079	0.240	0.000	0.243	0.404	0.483
		Top Edge 10mm	0.578	0.545	0.464	0.067	1.123	1.108	**1.587**
n7	Ant.0	Front Side 10mm	0.343	0.204	0.253	0.091	0.547	0.686	0.800

		Back Side 10mm	0.402	0.321	0.324	0.109	0.723	0.835	1.047
		Left Edge 10mm	0.168	0.144	0.298	0.072	0.312	0.538	0.610
		Right Edge 10mm	0.087	0.079	0.240	0.000	0.166	0.327	0.406
		Bottom Edge 10mm	0.297	/	/	/	/	/	/
n38	Ant.1	Front Side 10mm	0.143	0.204	0.191	0.091	0.347	0.425	0.538
		Back Side 10mm	0.326	0.321	0.317	0.109	0.647	0.752	0.963
		Right Edge 10mm	0.098	0.079	0.240	0.000	0.177	0.338	0.417
		Top Edge 10mm	0.438	0.545	0.464	0.067	0.983	0.968	1.447
n38	Ant.0	Front Side 10mm	0.345	0.204	0.253	0.091	0.549	0.688	0.802
		Back Side 10mm	0.447	0.321	0.324	0.109	0.768	0.880	1.092
		Left Edge 10mm	0.232	0.144	0.298	0.072	0.376	0.602	0.674
		Right Edge 10mm	0.030	0.079	0.240	0.000	0.109	0.270	0.349
		Bottom Edge 10mm	0.303	/	/	/	/	/	/
n41	Ant.1	Front Side 10mm	0.143	0.204	0.191	0.091	0.347	0.425	0.538
		Back Side 10mm	0.329	0.321	0.317	0.109	0.650	0.755	0.966
		Right Edge 10mm	0.100	0.079	0.240	0.000	0.179	0.340	0.419
		Top Edge 10mm	0.461	0.545	0.464	0.067	1.006	0.991	1.470
n41	Ant.0	Front Side 10mm	0.369	0.204	0.253	0.091	0.573	0.712	0.826
		Back Side 10mm	0.462	0.321	0.324	0.109	0.783	0.895	1.107
		Left Edge 10mm	0.219	0.144	0.298	0.072	0.363	0.589	0.661
		Right Edge 10mm	0.007	0.079	0.240	0.000	0.086	0.247	0.326
		Bottom Edge 10mm	0.300	/	/	/	/	/	/
n66	Ant.1	Front Side 10mm	0.228	0.204	0.191	0.091	0.432	0.510	0.623
		Back Side 10mm	0.336	0.321	0.317	0.109	0.657	0.762	0.973
		Right Edge 10mm	0.065	0.079	0.240	0.000	0.144	0.305	0.384
		Top Edge 10mm	0.469	0.545	0.464	0.067	1.014	0.999	1.478
n66	Ant.0	Front Side 10mm	0.226	0.204	0.253	0.091	0.430	0.569	0.683
		Back Side 10mm	0.343	0.321	0.324	0.109	0.664	0.776	0.988
		Left Edge 10mm	0.052	0.144	0.298	0.072	0.196	0.422	0.494
		Right Edge 10mm	0.599	0.079	0.240	0.000	0.678	0.839	0.918
		Bottom Edge 10mm	0.628	/	/	/	/	/	/

Note:

1: The simultaneous transmission combinations of the three 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 1.587 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.3 Body Simultaneous Transmission SAR Evaluation for WWAN and 2.4G WLAN with 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	2.4GWIFI Max.	5GWIFI Max.	Bluetooth	WWAN+WIFI2.4G (1+2)	WWAN+WIFI5G +BT(1+3+4)	WWAN+WIFI2.4G +WIFI5G(1+2+3)
GSM850	Ant.1	Front Side 15mm	0.138	0.121	0.199	0.039	0.259	0.376	0.458
		Back Side 15mm	0.188	0.167	0.289	0.050	0.355	0.527	0.644
GSM850	Ant.0	Front Side 15mm	0.060	0.121	0.199	0.039	0.181	0.298	0.380

		Back Side 15mm	0.066	0.167	0.289	0.050	0.234	0.405	0.523
GSM1900	Ant.1	Front Side 15mm	0.095	0.121	0.199	0.039	0.216	0.332	0.415
		Back Side 15mm	0.166	0.167	0.289	0.050	0.333	0.505	0.622
GSM1900	Ant.0	Front Side 15mm	0.118	0.121	0.199	0.039	0.239	0.356	0.439
		Back Side 15mm	0.186	0.167	0.289	0.050	0.353	0.524	0.642
WCDMA B2	Ant.1	Front Side 15mm	0.090	0.121	0.199	0.039	0.211	0.327	0.410
		Back Side 15mm	0.174	0.167	0.289	0.050	0.341	0.512	0.630
WCDMA B2	Ant.0	Front Side 15mm	0.127	0.121	0.199	0.039	0.248	0.364	0.447
		Back Side 15mm	0.186	0.167	0.289	0.050	0.354	0.525	0.643
WCDMA B4	Ant.1	Front Side 15mm	0.130	0.121	0.199	0.039	0.251	0.368	0.450
		Back Side 15mm	0.187	0.167	0.289	0.050	0.354	0.526	0.643
WCDMA B4	Ant.0	Front Side 15mm	0.062	0.121	0.199	0.039	0.183	0.300	0.382
		Back Side 15mm	0.080	0.167	0.289	0.050	0.248	0.419	0.537
WCDMA B5	Ant.1	Front Side 15mm	0.091	0.121	0.199	0.039	0.212	0.329	0.411
		Back Side 15mm	0.170	0.167	0.289	0.050	0.337	0.509	0.626
WCDMA B5	Ant.0	Front Side 15mm	0.084	0.121	0.199	0.039	0.205	0.322	0.404
		Back Side 15mm	0.111	0.167	0.289	0.050	0.279	0.450	0.568
LTE B2	Ant.1	Front Side 15mm	0.158	0.121	0.199	0.039	0.279	0.395	0.478
		Back Side 15mm	0.279	0.167	0.289	0.050	0.447	0.618	0.736
LTE B2	Ant.0	Front Side 15mm	0.202	0.121	0.199	0.039	0.323	0.439	0.522
		Back Side 15mm	0.329	0.167	0.289	0.050	0.497	0.668	0.786
LTE B4	Ant.1	Front Side 15mm	0.142	0.121	0.199	0.039	0.263	0.380	0.462
		Back Side 15mm	0.196	0.167	0.289	0.050	0.364	0.535	0.653
LTE B4	Ant.0	Front Side 15mm	0.152	0.121	0.199	0.039	0.273	0.390	0.472
		Back Side 15mm	0.195	0.167	0.289	0.050	0.363	0.534	0.652
LTE B5	Ant.1	Front Side 15mm	0.111	0.121	0.199	0.039	0.232	0.349	0.432
		Back Side 15mm	0.131	0.167	0.289	0.050	0.298	0.470	0.587
LTE B5	Ant.0	Front Side 15mm	0.120	0.121	0.199	0.039	0.241	0.358	0.440
		Back Side 15mm	0.158	0.167	0.289	0.050	0.325	0.497	0.614
LTE B7	Ant.1	Front Side 15mm	0.108	0.121	0.199	0.039	0.229	0.345	0.428
		Back Side 15mm	0.215	0.167	0.289	0.050	0.382	0.553	0.671
LTE B7	Ant.0	Front Side 15mm	0.209	0.121	0.199	0.039	0.330	0.446	0.529
		Back Side 15mm	0.243	0.167	0.289	0.050	0.410	0.582	0.699
LTE B12	Ant.1	Front Side 15mm	0.159	0.121	0.199	0.039	0.280	0.397	0.479
		Back Side 15mm	0.209	0.167	0.289	0.050	0.376	0.548	0.665
LTE B12	Ant.0	Front Side 15mm	0.111	0.121	0.199	0.039	0.232	0.349	0.431
		Back Side 15mm	0.147	0.167	0.289	0.050	0.314	0.486	0.603
LTE B13	Ant.1	Front Side 15mm	0.081	0.121	0.199	0.039	0.202	0.318	0.401
		Back Side 15mm	0.117	0.167	0.289	0.050	0.285	0.456	0.574
LTE B13	Ant.0	Front Side 15mm	0.162	0.121	0.199	0.039	0.283	0.400	0.482
		Back Side 15mm	0.197	0.167	0.289	0.050	0.364	0.536	0.653
LTE B17	Ant.1	Front Side 15mm	0.164	0.121	0.199	0.039	0.285	0.402	0.484
		Back Side 15mm	0.207	0.167	0.289	0.050	0.374	0.545	0.663
LTE B17	Ant.0	Front Side 15mm	0.117	0.121	0.199	0.039	0.238	0.355	0.437
		Back Side 15mm	0.154	0.167	0.289	0.050	0.321	0.493	0.610

LTE B26	Ant.1	Front Side 15mm	0.099	0.121	0.199	0.039	0.220	0.337	0.419
		Back Side 15mm	0.138	0.167	0.289	0.050	0.306	0.477	0.595
LTE B26	Ant.0	Front Side 15mm	0.091	0.121	0.199	0.039	0.212	0.328	0.411
		Back Side 15mm	0.117	0.167	0.289	0.050	0.284	0.456	0.573
LTE B66	Ant.1	Front Side 15mm	0.145	0.121	0.199	0.039	0.266	0.383	0.465
		Back Side 15mm	0.204	0.167	0.289	0.050	0.371	0.543	0.660
LTE B66	Ant.0	Front Side 15mm	0.134	0.121	0.199	0.039	0.256	0.372	0.455
		Back Side 15mm	0.199	0.167	0.289	0.050	0.366	0.537	0.655
LTE B38	Ant.1	Front Side 15mm	0.098	0.121	0.199	0.039	0.219	0.336	0.418
		Back Side 15mm	0.212	0.167	0.289	0.050	0.379	0.551	0.668
LTE B38	Ant.0	Front Side 15mm	0.233	0.121	0.199	0.039	0.354	0.470	0.553
		Back Side 15mm	0.241	0.167	0.289	0.050	0.409	0.580	0.698
LTE B41	Ant.1	Front Side 15mm	0.139	0.121	0.199	0.039	0.260	0.376	0.459
		Back Side 15mm	0.341	0.167	0.289	0.050	0.509	0.680	**0.798**
LTE B41	Ant.0	Front Side 15mm	0.262	0.121	0.199	0.039	0.383	0.500	0.582
		Back Side 15mm	0.255	0.167	0.289	0.050	0.423	0.594	0.712
n5	Ant.1	Front Side 15mm	0.103	0.121	0.199	0.039	0.224	0.341	0.423
		Back Side 15mm	0.119	0.167	0.289	0.050	0.286	0.458	0.575
n5	Ant.0	Front Side 15mm	0.018	0.121	0.199	0.039	0.139	0.256	0.338
		Back Side 15mm	0.043	0.167	0.289	0.050	0.210	0.382	0.499
n7	Ant.1	Front Side 15mm	0.201	0.121	0.199	0.039	0.322	0.439	0.521
		Back Side 15mm	0.313	0.167	0.289	0.050	0.480	0.652	0.769
n7	Ant.0	Front Side 15mm	0.171	0.121	0.199	0.039	0.292	0.409	0.491
		Back Side 15mm	0.200	0.167	0.289	0.050	0.367	0.539	0.656
n38	Ant.1	Front Side 15mm	0.143	0.121	0.199	0.039	0.264	0.381	0.463
		Back Side 15mm	0.304	0.167	0.289	0.050	0.471	0.643	0.760
n38	Ant.0	Front Side 15mm	0.225	0.121	0.199	0.039	0.346	0.463	0.545
		Back Side 15mm	0.299	0.167	0.289	0.050	0.466	0.638	0.755
n41	Ant.1	Front Side 15mm	0.095	0.121	0.199	0.039	0.216	0.333	0.415
		Back Side 15mm	0.215	0.167	0.289	0.050	0.382	0.554	0.671
n41	Ant.0	Front Side 15mm	0.231	0.121	0.199	0.039	0.352	0.469	0.551
		Back Side 15mm	0.259	0.167	0.289	0.050	0.426	0.598	0.715
n66	Ant.1	Front Side 15mm	0.149	0.121	0.199	0.039	0.270	0.387	0.469
		Back Side 15mm	0.225	0.167	0.289	0.050	0.392	0.564	0.681
n66	Ant.0	Front Side 15mm	0.134	0.121	0.199	0.039	0.256	0.372	0.455
		Back Side 15mm	0.199	0.167	0.289	0.050	0.366	0.537	0.655

Note:

1: The simultaneous transmission combinations of the three 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 0.798 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.4 Head Simultaneous Transmission SAR Evaluation for ENDC Mode with 2.4G WLAN or 5G WLAN and Bluetooth

ED-DC Configuratoin	NR Ant.	LTE Ant.	Position	Stand alone SAR						SUM SAR		
				NR Band	LTE Band	1	2	3	4	1+2	1+3+4	1+2+3
						ENDC （LTE+NR）	2.4G WIFI	5GWIFI	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI +BT	WWAN+5G WIFI +BT
7A+n5A	Ant.0	Ant.1	Left Chhek	0.000	0.159	0.159	0.221	0.397	0.584	0.379	1.140	0.776
			Left Tilt	0.000	0.211	0.211	0.128	0.355	0.327	0.338	0.893	0.693
			Right Cheek	0.056	0.406	0.462	0.078	0.306	0.173	0.540	0.941	0.846
			Right Tilt	0.000	0.499	0.499	0.069	0.317	0.164	0.568	0.979	0.884
7A+n5A	Ant.0	Ant.3	Left Chhek	0.000	0.159	0.159	0.221	0.397	0.584	0.380	1.140	0.777
			Left Tilt	0.000	0.079	0.079	0.128	0.355	0.327	0.207	0.761	0.562
			Right Cheek	0.056	0.338	0.394	0.078	0.306	0.173	0.472	0.873	0.778
			Right Tilt	0.000	0.101	0.101	0.069	0.317	0.164	0.170	0.582	0.487
7A+n5A	Ant.1	Ant.3	Left Chhek	0.160	0.159	0.319	0.221	0.397	0.584	0.540	1.300	0.937
			Left Tilt	0.180	0.079	0.259	0.128	0.355	0.327	0.387	0.941	0.742
			Right Cheek	0.261	0.338	0.599	0.078	0.306	0.173	0.677	1.078	0.983
			Right Tilt	0.235	0.101	0.336	0.069	0.317	0.164	0.405	0.817	0.722
66A+n5A	Ant.0	Ant.1	Left Chhek	0.000	0.335	0.335	0.221	0.397	0.584	0.556	1.316	0.953
			Left Tilt	0.000	0.413	0.413	0.128	0.355	0.327	0.541	1.095	0.895
			Right Cheek	0.056	0.450	0.506	0.078	0.306	0.173	0.584	0.985	0.890
			Right Tilt	0.000	0.574	0.574	0.069	0.317	0.164	0.643	1.055	0.960
66A+n5A	Ant.0	Ant.3	Left Chhek	0.000	0.166	0.166	0.221	0.397	0.584	0.387	1.148	0.784
			Left Tilt	0.000	0.093	0.093	0.128	0.355	0.327	0.221	0.775	0.576
			Right Cheek	0.056	0.319	0.375	0.078	0.306	0.173	0.453	0.854	0.759
			Right Tilt	0.000	0.094	0.094	0.069	0.317	0.164	0.163	0.575	0.480
66A+n5A	Ant.1	Ant.3	Left Chhek	0.160	0.166	0.326	0.221	0.397	0.584	0.547	1.308	0.944
			Left Tilt	0.180	0.093	0.273	0.128	0.355	0.327	0.401	0.955	0.756
			Right Cheek	0.261	0.319	0.580	0.078	0.306	0.173	0.658	1.059	0.964
			Right Tilt	0.235	0.094	0.329	0.069	0.317	0.164	0.398	0.810	0.715
5A+n7A	Ant.1	Ant.0	Left Chhek	0.126	0.151	0.277	0.221	0.397	0.584	0.498	1.258	0.894
			Left Tilt	0.191	0.074	0.265	0.128	0.355	0.327	0.393	0.947	0.747
			Right Cheek	0.326	0.120	0.446	0.078	0.306	0.173	0.524	0.925	0.830
			Right Tilt	0.383	0.069	0.452	0.069	0.317	0.164	0.521	0.933	0.838
5A+n7A	Ant.3	Ant.0	Left Chhek	0.149	0.151	0.300	0.221	0.397	0.584	0.521	1.281	0.917
			Left Tilt	0.071	0.074	0.145	0.128	0.355	0.327	0.273	0.827	0.627
			Right Cheek	0.307	0.120	0.427	0.078	0.306	0.173	0.505	0.906	0.811
			Right Tilt	0.093	0.069	0.162	0.069	0.317	0.164	0.231	0.643	0.548
5A+n7A	Ant.3	Ant.1	Left Chhek	0.149	0.197	0.346	0.221	0.397	0.584	0.567	1.327	0.964
			Left Tilt	0.071	0.181	0.252	0.128	0.355	0.327	0.380	0.935	0.735
			Right Cheek	0.307	0.253	0.560	0.078	0.306	0.173	0.638	1.039	0.944
			Right Tilt	0.093	0.269	0.362	0.069	0.317	0.164	0.431	0.843	0.748
66A+n7A	Ant.1	Ant.0	Left Chhek	0.126	0.108	0.234	0.221	0.397	0.584	0.455	1.215	0.852
			Left Tilt	0.191	0.055	0.246	0.128	0.355	0.327	0.374	0.928	0.728

			Right Cheek	0.326	0.092	0.418	0.078	0.306	0.173	0.496	0.898	0.803
			Right Tilt	0.383	0.052	0.435	0.069	0.317	0.164	0.504	0.916	0.821
66A+n7A	Ant.1	Ant.5	Left Chhek	0.126	0.177	0.303	0.221	0.397	0.584	0.524	1.285	0.921
			Left Tilt	0.191	0.039	0.230	0.128	0.355	0.327	0.358	0.913	0.713
			Right Cheek	0.326	0.052	0.378	0.078	0.306	0.173	0.456	0.857	0.762
			Right Tilt	0.383	0.031	0.414	0.069	0.317	0.164	0.483	0.895	0.800
66A+n7A	Ant.3	Ant.0	Left Chhek	0.149	0.108	0.257	0.221	0.397	0.584	0.478	1.238	0.875
			Left Tilt	0.071	0.055	0.126	0.128	0.355	0.327	0.254	0.808	0.608
			Right Cheek	0.307	0.092	0.399	0.078	0.306	0.173	0.477	0.879	0.784
			Right Tilt	0.093	0.052	0.145	0.069	0.317	0.164	0.214	0.626	0.531
66A+n7A	Ant.3	Ant.5	Left Chhek	0.149	0.177	0.326	0.221	0.397	0.584	0.547	1.308	0.944
			Left Tilt	0.071	0.039	0.110	0.128	0.355	0.327	0.238	0.793	0.593
			Right Cheek	0.307	0.052	0.359	0.078	0.306	0.173	0.437	0.838	0.743
			Right Tilt	0.093	0.031	0.124	0.069	0.317	0.164	0.193	0.605	0.510
5A+n66A	Ant.1	Ant.0	Left Chhek	0.219	0.151	0.370	0.221	0.397	0.584	0.591	1.351	0.987
			Left Tilt	0.281	0.074	0.355	0.128	0.355	0.327	0.483	1.037	0.837
			Right Cheek	0.306	0.120	0.426	0.078	0.306	0.173	0.504	0.905	0.810
			Right Tilt	0.406	0.069	0.475	0.069	0.317	0.164	0.544	0.956	0.861
5A+n66A	Ant.3	Ant.0	Left Chhek	0.000	0.151	0.151	0.221	0.397	0.584	0.372	1.132	0.768
			Left Tilt	0.000	0.074	0.074	0.128	0.355	0.327	0.202	0.756	0.556
			Right Cheek	0.045	0.120	0.165	0.078	0.306	0.173	0.243	0.644	0.549
			Right Tilt	0.000	0.069	0.069	0.069	0.317	0.164	0.138	0.550	0.455
5A+n66A	Ant.3	Ant.1	Left Chhek	0.000	0.197	0.197	0.221	0.397	0.584	0.418	1.178	0.815
			Left Tilt	0.000	0.181	0.181	0.128	0.355	0.327	0.309	0.864	0.664
			Right Cheek	0.045	0.253	0.298	0.078	0.306	0.173	0.376	0.777	0.682
			Right Tilt	0.000	0.269	0.269	0.069	0.317	0.164	0.338	0.750	0.655
7A+n66A	Ant.1	Ant.0	Left Chhek	0.219	0.186	0.405	0.221	0.397	0.584	0.626	1.386	1.023
			Left Tilt	0.281	0.127	0.408	0.128	0.355	0.327	0.536	1.091	0.891
			Right Cheek	0.306	0.346	0.652	0.078	0.306	0.173	0.730	1.131	1.036
			Right Tilt	0.406	0.180	0.586	0.069	0.317	0.164	0.655	1.067	0.972
7A+n66A	Ant.1	Ant.5	Left Chhek	0.219	0.217	0.436	0.221	0.397	0.584	0.657	**1.417**	1.054
			Left Tilt	0.281	0.039	0.320	0.128	0.355	0.327	0.448	1.002	0.803
			Right Cheek	0.306	0.047	0.353	0.078	0.306	0.173	0.431	0.832	0.737
			Right Tilt	0.406	0.035	0.441	0.069	0.317	0.164	0.509	0.921	0.826
7A+n66A	Ant.3	Ant.0	Left Chhek	0.000	0.186	0.186	0.221	0.397	0.584	0.407	1.167	0.804
			Left Tilt	0.000	0.127	0.127	0.128	0.355	0.327	0.255	0.810	0.610
			Right Cheek	0.045	0.346	0.391	0.078	0.306	0.173	0.469	0.870	0.775
			Right Tilt	0.000	0.180	0.180	0.069	0.317	0.164	0.249	0.661	0.566
7A+n66A	Ant.3	Ant.5	Left Chhek	0.000	0.217	0.217	0.221	0.397	0.584	0.438	1.198	0.835
			Left Tilt	0.000	0.039	0.039	0.128	0.355	0.327	0.167	0.721	0.522
			Right Cheek	0.045	0.047	0.092	0.078	0.306	0.173	0.170	0.571	0.476
			Right Tilt	0.000	0.035	0.035	0.069	0.317	0.164	0.103	0.515	0.420
12A+n66A	Ant.1	Ant.0	Left Chhek	0.219	0.110	0.329	0.221	0.397	0.584	0.550	1.310	0.946
			Left Tilt	0.281	0.056	0.337	0.128	0.355	0.327	0.465	1.019	0.820
			Right Cheek	0.306	0.086	0.392	0.078	0.306	0.173	0.470	0.871	0.776

			Right Tilt	0.406	0.000	0.406	0.069	0.317	0.164	0.475	0.886	0.791
12A+n66A	Ant.3	Ant.0	Left Chhek	0.000	0.110	0.110	0.221	0.397	0.584	0.331	1.091	0.727
			Left Tilt	0.000	0.056	0.056	0.128	0.355	0.327	0.184	0.738	0.539
			Right Cheek	0.045	0.086	0.131	0.078	0.306	0.173	0.209	0.610	0.515
			Right Tilt	0.000	0.000	0.000	0.069	0.317	0.164	0.069	0.480	0.385
12A+n66A	Ant.3	Ant.1	Left Chhek	0.000	0.248	0.248	0.221	0.397	0.584	0.469	1.229	0.866
			Left Tilt	0.000	0.242	0.242	0.128	0.355	0.327	0.370	0.924	0.724
			Right Cheek	0.045	0.372	0.417	0.078	0.306	0.173	0.495	0.897	0.802
			Right Tilt	0.000	0.386	0.386	0.069	0.317	0.164	0.455	0.866	0.771
2A+n41A	Ant.1	Ant.0	Left Chhek	0.140	0.163	0.303	0.221	0.397	0.584	0.524	1.284	0.921
			Left Tilt	0.160	0.066	0.226	0.128	0.355	0.327	0.354	0.909	0.709
			Right Cheek	0.331	0.118	0.449	0.078	0.306	0.173	0.527	0.928	0.833
			Right Tilt	0.405	0.087	0.492	0.069	0.317	0.164	0.561	0.973	0.878
2A+n41A	Ant.1	Ant.5	Left Chhek	0.140	0.163	0.303	0.221	0.397	0.584	0.523	1.284	0.920
			Left Tilt	0.160	0.038	0.198	0.128	0.355	0.327	0.326	0.880	0.680
			Right Cheek	0.331	0.048	0.379	0.078	0.306	0.173	0.457	0.859	0.764
			Right Tilt	0.405	0.032	0.437	0.069	0.317	0.164	0.506	0.918	0.823
2A+n41A	Ant.3	Ant.0	Left Chhek	0.130	0.163	0.293	0.221	0.397	0.584	0.514	1.274	0.911
			Left Tilt	0.055	0.066	0.121	0.128	0.355	0.327	0.249	0.804	0.604
			Right Cheek	0.240	0.118	0.358	0.078	0.306	0.173	0.436	0.837	0.742
			Right Tilt	0.072	0.087	0.159	0.069	0.317	0.164	0.228	0.640	0.545
2A+n41A	Ant.3	Ant.5	Left Chhek	0.130	0.163	0.293	0.221	0.397	0.584	0.513	1.274	0.910
			Left Tilt	0.055	0.038	0.093	0.128	0.355	0.327	0.221	0.775	0.575
			Right Cheek	0.240	0.048	0.288	0.078	0.306	0.173	0.366	0.768	0.673
			Right Tilt	0.072	0.032	0.104	0.069	0.317	0.164	0.173	0.585	0.490
26A+n41A	Ant.1	Ant.0	Left Chhek	0.140	0.124	0.264	0.221	0.397	0.584	0.485	1.245	0.882
			Left Tilt	0.160	0.061	0.221	0.128	0.355	0.327	0.349	0.903	0.703
			Right Cheek	0.331	0.109	0.440	0.078	0.306	0.173	0.518	0.919	0.824
			Right Tilt	0.405	0.052	0.457	0.069	0.317	0.164	0.526	0.938	0.843
26A+n41A	Ant.3	Ant.0	Left Chhek	0.130	0.124	0.254	0.221	0.397	0.584	0.475	1.235	0.872
			Left Tilt	0.055	0.061	0.116	0.128	0.355	0.327	0.244	0.798	0.598
			Right Cheek	0.240	0.109	0.349	0.078	0.306	0.173	0.427	0.828	0.733
			Right Tilt	0.072	0.052	0.124	0.069	0.317	0.164	0.193	0.605	0.510
26A+n41A	Ant.3	Ant.1	Left Chhek	0.130	0.218	0.348	0.221	0.397	0.584	0.569	1.329	0.966
			Left Tilt	0.055	0.222	0.277	0.128	0.355	0.327	0.405	0.959	0.759
			Right Cheek	0.240	0.266	0.506	0.078	0.306	0.173	0.584	0.985	0.890
			Right Tilt	0.072	0.319	0.391	0.069	0.317	0.164	0.460	0.872	0.777
66A+n41A	Ant.1	Ant.0	Left Chhek	0.140	0.108	0.248	0.221	0.397	0.584	0.469	1.229	0.866
			Left Tilt	0.160	0.055	0.215	0.128	0.355	0.327	0.343	0.897	0.697
			Right Cheek	0.331	0.092	0.423	0.078	0.306	0.173	0.501	0.903	0.808
			Right Tilt	0.405	0.052	0.457	0.069	0.317	0.164	0.526	0.938	0.843
66A+n41A	Ant.1	Ant.5	Left Chhek	0.140	0.177	0.317	0.221	0.397	0.584	0.538	1.299	0.935
			Left Tilt	0.160	0.039	0.199	0.128	0.355	0.327	0.327	0.882	0.682
			Right Cheek	0.331	0.052	0.383	0.078	0.306	0.173	0.461	0.862	0.767
			Right Tilt	0.405	0.031	0.436	0.069	0.317	0.164	0.505	0.917	0.822

66A+n41A	Ant.3	Ant.0	Left Chhek	0.130	0.108	0.238	0.221	0.397	0.584	0.459	1.219	0.856
			Left Tilt	0.055	0.055	0.110	0.128	0.355	0.327	0.238	0.792	0.592
			Right Cheek	0.240	0.092	0.332	0.078	0.306	0.173	0.410	0.812	0.717
			Right Tilt	0.072	0.052	0.124	0.069	0.317	0.164	0.193	0.605	0.510
66A+n41A	Ant.3	Ant.5	Left Chhek	0.130	0.177	0.307	0.221	0.397	0.584	0.528	1.289	0.925
			Left Tilt	0.055	0.039	0.094	0.128	0.355	0.327	0.222	0.777	0.577
			Right Cheek	0.240	0.052	0.292	0.078	0.306	0.173	0.370	0.771	0.676
			Right Tilt	0.072	0.031	0.103	0.069	0.317	0.164	0.172	0.584	0.489

Note:

1: The simultaneous transmission combinations of the three 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 1.417 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.5 Body Worn Simultaneous Transmission SAR Evaluation for ENDC Mode with 2.4G WLAN or 5G WLAN and Bluetooth

ED-DC Configuratoin	NR Ant.	LTE Ant.	Position	Stand alone SAR						SUM SAR		
				NR Band	LTE Band	1	2	3	4	1+2	1+3+4	1+2+3
						ENDC （LTE+NR）	2.4G WIFI	5GWIFI	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI +BT	WWAN+5G WIFI +BT
7A+n5A	Ant.0	Ant.1	Front Side 15mm	0.018	0.108	0.126	0.121	0.199	0.039	0.247	0.363	0.446
			Back Side 15mm	0.043	0.215	0.258	0.167	0.289	0.050	0.425	0.596	0.714
7A+n5A	Ant.0	Ant.3	Front Side 15mm	0.018	0.088	0.106	0.121	0.199	0.039	0.227	0.344	0.426
			Back Side 15mm	0.043	0.113	0.156	0.167	0.289	0.050	0.324	0.495	0.613
7A+n5A	Ant.1	Ant.3	Front Side 15mm	0.103	0.088	0.191	0.121	0.199	0.039	0.312	0.429	0.511
			Back Side 15mm	0.119	0.113	0.232	0.167	0.289	0.050	0.400	0.571	0.689
66A+n5A	Ant.0	Ant.1	Front Side 15mm	0.018	0.127	0.145	0.121	0.199	0.039	0.266	0.382	0.465
			Back Side 15mm	0.043	0.182	0.225	0.167	0.289	0.050	0.392	0.564	0.681
66A+n5A	Ant.0	Ant.3	Front Side 15mm	0.018	0.000	0.018	0.121	0.199	0.039	0.139	0.256	0.338
			Back Side 15mm	0.043	0.099	0.142	0.167	0.289	0.050	0.310	0.481	0.599
66A+n5A	Ant.1	Ant.3	Front Side 15mm	0.103	0.000	0.103	0.121	0.199	0.039	0.224	0.341	0.423
			Back Side 15mm	0.119	0.099	0.218	0.167	0.289	0.050	0.386	0.557	0.675
5A+n7A	Ant.1	Ant.0	Front Side 15mm	0.143	0.120	0.263	0.121	0.199	0.039	0.384	0.501	0.583
			Back Side 15mm	0.216	0.158	0.374	0.167	0.289	0.050	0.541	0.713	0.830
5A+n7A	Ant.3	Ant.0	Front Side 15mm	0.090	0.120	0.210	0.121	0.199	0.039	0.331	0.448	0.530
			Back Side 15mm	0.132	0.158	0.290	0.167	0.289	0.050	0.457	0.629	0.746
5A+n7A	Ant.3	Ant.1	Front Side 15mm	0.090	0.111	0.201	0.121	0.199	0.039	0.322	0.439	0.522
			Back Side 15mm	0.132	0.131	0.263	0.167	0.289	0.050	0.430	0.602	0.719
66A+n7A	Ant.1	Ant.0	Front Side 15mm	0.143	0.134	0.277	0.121	0.199	0.039	0.399	0.515	0.598
			Back Side 15mm	0.216	0.199	0.415	0.167	0.289	0.050	0.582	0.753	0.871
66A+n7A	Ant.1	Ant.5	Front Side 15mm	0.143	0.000	0.143	0.121	0.199	0.039	0.264	0.381	0.463
			Back Side 15mm	0.216	0.042	0.258	0.167	0.289	0.050	0.425	0.597	0.714
66A+n7A	Ant.3	Ant.0	Front Side 15mm	0.090	0.134	0.224	0.121	0.199	0.039	0.346	0.462	0.545
			Back Side 15mm	0.132	0.199	0.331	0.167	0.289	0.050	0.498	0.669	0.787
66A+n7A	Ant.3	Ant.5	Front Side 15mm	0.090	0.000	0.090	0.121	0.199	0.039	0.211	0.328	0.410
			Back Side 15mm	0.132	0.042	0.174	0.167	0.289	0.050	0.341	0.513	0.630

5A+n66A	Ant.1	Ant.0	Front Side 15mm	0.142	0.120	0.262	0.121	0.199	0.039	0.383	0.500	0.582
			Back Side 15mm	0.213	0.158	0.371	0.167	0.289	0.050	0.538	0.710	0.827
5A+n66A	Ant.3	Ant.0	Front Side 15mm	0.000	0.120	0.120	0.121	0.199	0.039	0.241	0.358	0.440
			Back Side 15mm	0.000	0.158	0.158	0.167	0.289	0.050	0.325	0.497	0.614
5A+n66A	Ant.3	Ant.1	Front Side 15mm	0.000	0.111	0.111	0.121	0.199	0.039	0.232	0.349	0.432
			Back Side 15mm	0.000	0.131	0.131	0.167	0.289	0.050	0.298	0.470	0.587
7A+n66A	Ant.1	Ant.0	Front Side 15mm	0.142	0.209	0.351	0.121	0.199	0.039	0.472	0.588	0.671
			Back Side 15mm	0.213	0.243	0.456	0.167	0.289	0.050	0.623	0.795	**0.912**
7A+n66A	Ant.1	Ant.5	Front Side 15mm	0.142	0.054	0.196	0.121	0.199	0.039	0.317	0.434	0.516
			Back Side 15mm	0.213	0.095	0.308	0.167	0.289	0.050	0.475	0.647	0.764
7A+n66A	Ant.3	Ant.0	Front Side 15mm	0.000	0.209	0.209	0.121	0.199	0.039	0.330	0.446	0.529
			Back Side 15mm	0.000	0.243	0.243	0.167	0.289	0.050	0.410	0.582	0.699
7A+n66A	Ant.3	Ant.5	Front Side 15mm	0.000	0.054	0.054	0.121	0.199	0.039	0.175	0.292	0.374
			Back Side 15mm	0.000	0.095	0.095	0.167	0.289	0.050	0.262	0.434	0.551
12A+n66A	Ant.1	Ant.0	Front Side 15mm	0.142	0.111	0.253	0.121	0.199	0.039	0.374	0.491	0.573
			Back Side 15mm	0.213	0.147	0.360	0.167	0.289	0.050	0.527	0.699	0.816
12A+n66A	Ant.3	Ant.0	Front Side 15mm	0.000	0.111	0.111	0.121	0.199	0.039	0.232	0.349	0.431
			Back Side 15mm	0.000	0.147	0.147	0.167	0.289	0.050	0.314	0.486	0.603
12A+n66A	Ant.3	Ant.1	Front Side 15mm	0.000	0.159	0.159	0.121	0.199	0.039	0.280	0.397	0.479
			Back Side 15mm	0.000	0.209	0.209	0.167	0.289	0.050	0.376	0.548	0.665
2A+n41A	Ant.1	Ant.0	Front Side 15mm	0.065	0.151	0.216	0.121	0.199	0.039	0.337	0.453	0.536
			Back Side 15mm	0.151	0.244	0.395	0.167	0.289	0.050	0.562	0.734	0.851
2A+n41A	Ant.1	Ant.5	Front Side 15mm	0.065	0.026	0.091	0.121	0.199	0.039	0.212	0.329	0.411
			Back Side 15mm	0.151	0.047	0.198	0.167	0.289	0.050	0.366	0.537	0.655
2A+n41A	Ant.3	Ant.0	Front Side 15mm	0.106	0.151	0.257	0.121	0.199	0.039	0.378	0.494	0.577
			Back Side 15mm	0.156	0.244	0.400	0.167	0.289	0.050	0.567	0.739	0.856
2A+n41A	Ant.3	Ant.5	Front Side 15mm	0.106	0.026	0.132	0.121	0.199	0.039	0.253	0.370	0.452
			Back Side 15mm	0.156	0.047	0.203	0.167	0.289	0.050	0.371	0.542	0.660
26A+n41A	Ant.1	Ant.0	Front Side 15mm	0.065	0.091	0.156	0.121	0.199	0.039	0.277	0.393	0.476
			Back Side 15mm	0.151	0.117	0.268	0.167	0.289	0.050	0.435	0.607	0.724
26A+n41A	Ant.3	Ant.0	Front Side 15mm	0.106	0.091	0.197	0.121	0.199	0.039	0.318	0.434	0.517
			Back Side 15mm	0.156	0.117	0.273	0.167	0.289	0.050	0.440	0.612	0.729
26A+n41A	Ant.3	Ant.1	Front Side 15mm	0.106	0.099	0.205	0.121	0.199	0.039	0.326	0.443	0.525
			Back Side 15mm	0.156	0.138	0.294	0.167	0.289	0.050	0.462	0.633	0.751
66A+n41A	Ant.1	Ant.0	Front Side 15mm	0.065	0.134	0.199	0.121	0.199	0.039	0.321	0.437	0.520
			Back Side 15mm	0.151	0.199	0.350	0.167	0.289	0.050	0.517	0.688	0.806
66A+n41A	Ant.1	Ant.5	Front Side 15mm	0.065	0.000	0.065	0.121	0.199	0.039	0.186	0.303	0.385
			Back Side 15mm	0.151	0.042	0.193	0.167	0.289	0.050	0.360	0.532	0.649
66A+n41A	Ant.3	Ant.0	Front Side 15mm	0.106	0.134	0.240	0.121	0.199	0.039	0.362	0.478	0.561
			Back Side 15mm	0.156	0.199	0.355	0.167	0.289	0.050	0.522	0.693	0.811
66A+n41A	Ant.3	Ant.5	Front Side 15mm	0.106	0.000	0.106	0.121	0.199	0.039	0.227	0.344	0.426
			Back Side 15mm	0.156	0.042	0.198	0.167	0.289	0.050	0.365	0.537	0.654

Note:

1: The simultaneous transmission combinations of the three 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 0.912 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.6 Hotspot Simultaneous Transmission SAR Evaluation for ENDC Mode with 2.4G WLAN or 5G WLAN and Bluetooth

ED-DC Configuratoin	NR Ant.	LTE Ant.	Position	Stand alone SAR						SUM SAR		
				NR Band	LTE Band	1 ENDC（LTE+NR）	2 2.4G WIFI	3 5GWIFI	4 Bluetooth	1+2 WWAN+2.4G WIFI	1+3+4 WWAN+5G WIFI +BT	1+2+3 WWAN+5G WIFI +BT
7A+n5A	Ant.0	Ant.1	Front Side 10mm	0.072	0.148	0.220	0.204	0.253	0.091	0.423	0.563	0.676
			Back Side 10mm	0.092	0.345	0.437	0.321	0.324	0.109	0.758	0.870	1.082
			Left Edge 10mm	0.012	0.000	0.012	0.144	0.298	0.072	0.156	0.382	0.454
			Right Edge 10mm	0.009	0.101	0.110	0.079	0.240	0.000	0.189	0.350	0.428
			Top Edge 10mm	/	0.455	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	0.134	/	/	/	/	/	/	/	/
7A+n5A	Ant.0	Ant.3	Front Side 10mm	0.072	0.169	0.241	0.204	0.253	0.091	0.445	0.584	0.697
			Back Side 10mm	0.092	0.259	0.351	0.321	0.324	0.109	0.672	0.785	0.996
			Left Edge 10mm	0.012	0.000	0.012	0.144	0.298	0.072	0.156	0.382	0.454
			Right Edge 10mm	0.009	0.162	0.171	0.079	0.240	0.000	0.250	0.411	0.490
			Top Edge 10mm	/	0.096	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	0.134	/	/	/	/	/	/	/	/
7A+n5A	Ant.1	Ant.3	Front Side 10mm	0.224	0.169	0.393	0.204	0.253	0.091	0.597	0.736	0.849
			Back Side 10mm	0.268	0.259	0.527	0.321	0.324	0.109	0.848	0.961	1.172
			Left Edge 10mm	/	0.000	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.075	0.162	0.237	0.079	0.240	0.000	0.316	0.477	0.556
			Top Edge 10mm	0.216	0.096	0.312	0.545	0.469	0.067	0.857	0.848	1.327
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
66A+n5A	Ant.0	Ant.1	Front Side 10mm	0.072	0.148	0.220	0.204	0.253	0.091	0.423	0.563	0.676
			Back Side 10mm	0.092	0.225	0.317	0.321	0.324	0.109	0.638	0.750	0.962
			Left Edge 10mm	0.012	0.000	0.012	0.144	0.298	0.072	0.156	0.382	0.454
			Right Edge 10mm	0.009	0.039	0.048	0.079	0.240	0.000	0.127	0.288	0.367
			Top Edge 10mm	/	0.331	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	0.134	/	/	/	/	/	/	/	/
66A+n5A	Ant.0	Ant.3	Front Side 10mm	0.072	0.083	0.155	0.204	0.253	0.091	0.359	0.499	0.612
			Back Side 10mm	0.092	0.210	0.302	0.321	0.324	0.109	0.623	0.735	0.947
			Left Edge 10mm	0.012	0.000	0.012	0.144	0.298	0.072	0.156	0.382	0.454
			Right Edge 10mm	0.009	0.231	0.240	0.079	0.240	0.000	0.319	0.480	0.559
			Top Edge 10mm	/	0.000	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	0.134	/	/	/	/	/	/	/	/
66A+n5A	Ant.1	Ant.3	Front Side 10mm	0.224	0.083	0.307	0.204	0.253	0.091	0.511	0.651	0.764
			Back Side 10mm	0.268	0.210	0.478	0.321	0.324	0.109	0.799	0.911	1.123
			Left Edge 10mm	/	0.000	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.075	0.231	0.306	0.079	0.240	0.000	0.385	0.546	0.625
			Top Edge 10mm	0.216	0.000	0.216	0.545	0.469	0.067	0.761	0.752	1.231
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
5A+n7A	Ant.1	Ant.0	Front Side 10mm	0.172	0.136	0.308	0.204	0.253	0.091	0.512	0.652	0.765

			Back Side 10mm	0.274	0.167	0.441	0.321	0.324	0.109	0.761	0.874	1.086
			Left Edge 10mm	/	0.086	#VALUE!	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.134	0.116	0.250	0.079	0.240	0.000	0.329	0.490	0.569
			Top Edge 10mm	0.463	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.125	/	/	/	/	/	/	/
5A+n7A	Ant.3	Ant.0	Front Side 10mm	0.150	0.136	0.286	0.204	0.253	0.091	0.490	0.630	0.743
			Back Side 10mm	0.292	0.167	0.459	0.321	0.324	0.109	0.779	0.892	1.104
			Left Edge 10mm	/	0.086	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.201	0.116	0.317	0.079	0.240	0.000	0.396	0.557	0.636
			Top Edge 10mm	0.101	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.125	/	/	/	/	/	/	/
5A+n7A	Ant.3	Ant.1	Front Side 10mm	0.150	0.176	0.326	0.204	0.253	0.091	0.530	0.669	0.783
			Back Side 10mm	0.292	0.210	0.502	0.321	0.324	0.109	0.823	0.936	1.147
			Left Edge 10mm	/	0.085	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.201	0.094	0.295	0.079	0.240	0.000	0.374	0.535	0.614
			Top Edge 10mm	0.101	0.204	0.305	0.545	0.469	0.067	0.850	0.841	1.320
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
66A+n7A	Ant.1	Ant.0	Front Side 10mm	0.172	0.168	0.340	0.204	0.253	0.091	0.544	0.684	0.797
			Back Side 10mm	0.274	0.242	0.516	0.321	0.324	0.109	0.837	0.950	1.162
			Left Edge 10mm	/	0.037	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.134	0.027	0.161	0.079	0.240	0.000	0.240	0.401	0.480
			Top Edge 10mm	0.463	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.408	/	/	/	/	/	/	/
66A+n7A	Ant.1	Ant.5	Front Side 10mm	0.172	0.050	0.222	0.204	0.253	0.091	0.426	0.565	0.679
			Back Side 10mm	0.274	0.068	0.342	0.321	0.324	0.109	0.662	0.775	0.987
			Left Edge 10mm	/	0.088	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.134	0.000	0.134	0.079	0.240	0.000	0.213	0.374	0.453
			Top Edge 10mm	0.463	0.000	0.463	0.545	0.469	0.067	1.008	0.999	**1.478**
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
66A+n7A	Ant.3	Ant.0	Front Side 10mm	0.150	0.168	0.318	0.204	0.253	0.091	0.522	0.662	0.775
			Back Side 10mm	0.292	0.242	0.534	0.321	0.324	0.109	0.855	0.968	1.180
			Left Edge 10mm	/	0.037	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.201	0.027	0.228	0.079	0.240	0.000	0.307	0.468	0.547
			Top Edge 10mm	0.101	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.408	/	/	/	/	/	/	/
66A+n7A	Ant.3	Ant.5	Front Side 10mm	0.150	0.050	0.200	0.204	0.253	0.091	0.404	0.543	0.657
			Back Side 10mm	0.292	0.068	0.360	0.321	0.324	0.109	0.680	0.793	1.005
			Left Edge 10mm	/	0.088	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.201	0.000	0.201	0.079	0.240	0.000	0.280	0.441	0.520
			Top Edge 10mm	0.101	0.000	0.101	0.545	0.469	0.067	0.646	0.637	1.116
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
5A+n66A	Ant.1	Ant.0	Front Side 10mm	0.205	0.136	0.341	0.204	0.253	0.091	0.545	0.685	0.798
			Back Side 10mm	0.295	0.167	0.462	0.321	0.324	0.109	0.782	0.895	1.107
			Left Edge 10mm	/	0.086	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.070	0.116	/	0.079	0.240	0.000	/	/	/

			Top Edge 10mm	0.407	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.125	/	/	/	/	/	/	/
5A+n66A	Ant.3	Ant.0	Front Side 10mm	0.000	0.136	0.136	0.204	0.253	0.091	0.340	0.480	0.593
			Back Side 10mm	0.000	0.167	0.167	0.321	0.324	0.109	0.487	0.600	0.812
			Left Edge 10mm	/	0.086	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.061	0.116	0.177	0.079	0.240	0.000	0.256	0.417	0.496
			Top Edge 10mm	0.000	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.125	/	/	/	/	/	/	/
5A+n66A	Ant.3	Ant.1	Front Side 10mm	0.000	0.176	0.176	0.204	0.253	0.091	0.380	0.519	0.633
			Back Side 10mm	0.000	0.210	0.210	0.321	0.324	0.109	0.531	0.644	0.855
			Left Edge 10mm	/	0.085	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.061	0.094	0.155	0.079	0.240	0.000	0.234	0.395	0.474
			Top Edge 10mm	0.000	0.204	0.204	0.545	0.469	0.067	0.749	0.740	1.219
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
7A+n66A	Ant.1	Ant.0	Front Side 10mm	0.205	0.237	0.442	0.204	0.253	0.091	0.645	0.785	0.898
			Back Side 10mm	0.295	0.281	0.576	0.321	0.324	0.109	0.897	1.009	1.221
			Left Edge 10mm	/	0.106	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.070	0.042	/	0.079	0.240	0.000	/	/	/
			Top Edge 10mm	0.407	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.155	/	/	/	/	/	/	/
7A+n66A	Ant.1	Ant.5	Front Side 10mm	0.205	0.056	0.261	0.204	0.253	0.091	0.465	0.605	0.718
			Back Side 10mm	0.295	0.075	0.370	0.321	0.324	0.109	0.691	0.803	1.015
			Left Edge 10mm	/	0.000	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.070	0.079	0.149	0.079	0.240	0.000	0.228	0.389	0.468
			Top Edge 10mm	0.407	0.000	0.407	0.545	0.469	0.067	0.952	0.943	1.422
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
7A+n66A	Ant.3	Ant.0	Front Side 10mm	0.000	0.237	0.237	0.204	0.253	0.091	0.440	0.580	0.693
			Back Side 10mm	0.000	0.281	0.281	0.321	0.324	0.109	0.602	0.714	0.926
			Left Edge 10mm	/	0.106	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.061	0.042	0.103	0.079	0.240	0.000	0.182	0.343	0.422
			Top Edge 10mm	0.000	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.155	/	/	/	/	/	/	/
7A+n66A	Ant.3	Ant.5	Front Side 10mm	0.000	0.056	0.056	0.204	0.253	0.091	0.260	0.400	0.513
			Back Side 10mm	0.000	0.075	0.075	0.321	0.324	0.109	0.396	0.508	0.720
			Left Edge 10mm	/	0.000	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.061	0.079	0.140	0.079	0.240	0.000	0.219	0.380	0.459
			Top Edge 10mm	0.000	0.000	0.000	0.545	0.469	0.067	0.545	0.536	1.015
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
12A+n66A	Ant.1	Ant.0	Front Side 10mm	0.205	0.094	0.299	0.204	0.253	0.091	0.503	0.643	0.756
			Back Side 10mm	0.295	0.143	0.438	0.321	0.324	0.109	0.759	0.871	1.083
			Left Edge 10mm	/	0.056	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.070	0.102	/	0.079	0.240	0.000	/	/	/
			Top Edge 10mm	0.407	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.107	/	/	/	/	/	/	/
12A+n66A	Ant.3	Ant.0	Front Side 10mm	0.000	0.094	0.094	0.204	0.253	0.091	0.298	0.438	0.551

			Back Side 10mm	0.000	0.143	0.143	0.321	0.324	0.109	0.464	0.576	0.788
			Left Edge 10mm	/	0.056	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.061	0.102	0.163	0.079	0.240	0.000	0.242	0.403	0.482
			Top Edge 10mm	0.000	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.107	/	/	/	/	/	/	/
12A+n66A	Ant.3	Ant.1	Front Side 10mm	0.000	0.119	0.119	0.204	0.253	0.091	0.322	0.462	0.575
			Back Side 10mm	0.000	0.188	0.188	0.321	0.324	0.109	0.509	0.621	0.833
			Left Edge 10mm	/	0.128	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.061	0.165	0.226	0.079	0.240	0.000	0.305	0.466	0.545
			Top Edge 10mm	0.000	0.101	0.101	0.545	0.469	0.067	0.647	0.637	1.116
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
2A+n41A	Ant.1	Ant.0	Front Side 10mm	0.112	0.185	0.297	0.204	0.253	0.091	0.501	0.640	0.754
			Back Side 10mm	0.254	0.273	0.527	0.321	0.324	0.109	0.847	0.960	1.172
			Left Edge 10mm	/	0.047	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.075	0.035	0.110	0.079	0.240	0.000	0.188	0.349	0.428
			Top Edge 10mm	0.368	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.411	/	/	/	/	/	/	/
2A+n41A	Ant.1	Ant.5	Front Side 10mm	0.112	0.047	0.159	0.204	0.253	0.091	0.363	0.503	0.616
			Back Side 10mm	0.254	0.070	0.324	0.321	0.324	0.109	0.645	0.757	0.969
			Left Edge 10mm	/	0.098	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.075	0.000	0.075	0.079	0.240	0.000	0.154	0.315	0.394
			Top Edge 10mm	0.368	0.000	0.368	0.545	0.469	0.067	0.913	0.904	1.383
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
2A+n41A	Ant.3	Ant.0	Front Side 10mm	0.144	0.185	0.329	0.204	0.253	0.091	0.533	0.672	0.786
			Back Side 10mm	0.273	0.273	0.546	0.321	0.324	0.109	0.866	0.979	1.191
			Left Edge 10mm	0.003	0.047	0.050	0.144	0.298	0.072	0.194	0.419	0.492
			Right Edge 10mm	0.199	0.035	0.234	0.079	0.240	0.000	0.312	0.473	0.552
			Top Edge 10mm	0.099	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.411	/	/	/	/	/	/	/
2A+n41A	Ant.3	Ant.5	Front Side 10mm	0.144	0.047	0.191	0.204	0.253	0.091	0.395	0.535	0.648
			Back Side 10mm	0.273	0.070	0.343	0.321	0.324	0.109	0.664	0.776	0.988
			Left Edge 10mm	0.003	0.098	0.101	0.144	0.298	0.072	0.245	0.471	0.543
			Right Edge 10mm	0.199	0.000	0.199	0.079	0.240	0.000	0.278	0.439	0.518
			Top Edge 10mm	0.099	0.000	0.099	0.545	0.469	0.067	0.644	0.635	1.114
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
26A+n41A	Ant.1	Ant.0	Front Side 10mm	0.112	0.117	0.229	0.204	0.253	0.091	0.433	0.572	0.685
			Back Side 10mm	0.254	0.149	0.403	0.321	0.324	0.109	0.724	0.836	1.048
			Left Edge 10mm	/	0.000	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.075	0.082	0.157	0.079	0.240	0.000	0.236	0.397	0.476
			Top Edge 10mm	0.368	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.111	/	/	/	/	/	/	/
26A+n41A	Ant.3	Ant.0	Front Side 10mm	0.144	0.117	0.261	0.204	0.253	0.091	0.465	0.604	0.717
			Back Side 10mm	0.273	0.149	0.422	0.321	0.324	0.109	0.743	0.855	1.067
			Left Edge 10mm	0.003	0.000	0.003	0.144	0.298	0.072	0.147	0.373	0.445
			Right Edge 10mm	0.199	0.082	0.281	0.079	0.240	0.000	0.360	0.521	0.600

			Top Edge 10mm	0.099	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.111	/	/	/	/	/	/	/
26A+n41A	Ant.3	Ant.1	Front Side 10mm	0.144	0.162	0.306	0.204	0.253	0.091	0.510	0.649	0.763
			Back Side 10mm	0.273	0.228	0.501	0.321	0.324	0.109	0.821	0.934	1.146
			Left Edge 10mm	0.003	0.071	0.074	0.144	0.298	0.072	0.218	0.444	0.516
			Right Edge 10mm	0.199	0.081	0.280	0.079	0.240	0.000	0.359	0.520	0.599
			Top Edge 10mm	0.099	0.181	0.280	0.545	0.469	0.067	0.825	0.816	1.295
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
66A+n41A	Ant.1	Ant.0	Front Side 10mm	0.112	0.168	0.280	0.204	0.253	0.091	0.484	0.624	0.737
			Back Side 10mm	0.254	0.242	0.496	0.321	0.324	0.109	0.817	0.930	1.142
			Left Edge 10mm	/	0.037	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.075	0.027	0.102	0.079	0.240	0.000	0.181	0.342	0.421
			Top Edge 10mm	0.368	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.408	/	/	/	/	/	/	/
66A+n41A	Ant.1	Ant.5	Front Side 10mm	0.112	0.050	0.162	0.204	0.253	0.091	0.366	0.505	0.619
			Back Side 10mm	0.254	0.068	0.322	0.321	0.324	0.109	0.642	0.755	0.967
			Left Edge 10mm	/	0.088	/	0.144	0.298	0.072	/	/	/
			Right Edge 10mm	0.075	0.000	0.075	0.079	0.240	0.000	0.154	0.315	0.394
			Top Edge 10mm	0.368	0.000	0.368	0.545	0.469	0.067	0.913	0.904	1.383
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/
66A+n41A	Ant.3	Ant.0	Front Side 10mm	0.144	0.168	0.312	0.204	0.253	0.091	0.516	0.656	0.769
			Back Side 10mm	0.273	0.242	0.515	0.321	0.324	0.109	0.836	0.949	1.161
			Left Edge 10mm	0.003	0.037	0.040	0.144	0.298	0.072	0.184	0.410	0.482
			Right Edge 10mm	0.199	0.027	0.226	0.079	0.240	0.000	0.305	0.466	0.545
			Top Edge 10mm	0.099	/	/	0.545	0.469	0.067	/	/	/
			Bottom Edge 10mm	/	0.408	/	/	/	/	/	/	/
66A+n41A	Ant.3	Ant.5	Front Side 10mm	0.144	0.050	0.194	0.204	0.253	0.091	0.398	0.537	0.651
			Back Side 10mm	0.273	0.068	0.341	0.321	0.324	0.109	0.661	0.774	0.986
			Left Edge 10mm	0.003	0.088	0.091	0.144	0.298	0.072	0.235	0.460	0.533
			Right Edge 10mm	0.199	0.000	0.199	0.079	0.240	0.000	0.278	0.439	0.518
			Top Edge 10mm	0.099	0.000	0.099	0.545	0.469	0.067	0.644	0.635	1.114
			Bottom Edge 10mm	/	/	/	/	/	/	/	/	/

Note:

1: The simultaneous transmission combinations of the three 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 1.478 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.7 Head Simultaneous Transmission SAR Evaluation for ENDC Mode

ED-DC Configuratoin	NR Ant.	LTE Ant.	Position	Stand alone SAR		
				NR Band	LTE Band	ENDC（LTE+NR）
7A+n5A	Ant.0	Ant.1	Left Chhek	0.000	0.236	0.236
			Left Tilt	0.000	0.320	0.320
			Right Cheek	0.056	0.621	0.677
			Right Tilt	0.000	0.725	0.725
7A+n5A	Ant.0	Ant.3	Left Chhek	0.000	0.260	0.260
			Left Tilt	0.000	0.127	0.127
			Right Cheek	0.056	0.537	0.593
			Right Tilt	0.000	0.162	0.162
7A+n5A	Ant.1	Ant.3	Left Chhek	0.456	0.260	0.716
			Left Tilt	0.458	0.127	0.585
			Right Cheek	0.723	0.537	**1.260**
			Right Tilt	0.581	0.162	0.743
66A+n5A	Ant.0	Ant.1	Left Chhek	0.000	0.411	0.411
			Left Tilt	0.000	0.514	0.514
			Right Cheek	0.056	0.577	0.633
			Right Tilt	0.000	0.698	0.698
66A+n5A	Ant.0	Ant.3	Left Chhek	0.000	0.166	0.166
			Left Tilt	0.000	0.093	0.093
			Right Cheek	0.056	0.319	0.375
			Right Tilt	0.000	0.094	0.094
66A+n5A	Ant.1	Ant.3	Left Chhek	0.456	0.166	0.622
			Left Tilt	0.458	0.093	0.551
			Right Cheek	0.723	0.319	1.042
			Right Tilt	0.581	0.094	0.675
5A+n7A	Ant.1	Ant.0	Left Chhek	0.165	0.151	0.316
			Left Tilt	0.245	0.074	0.319
			Right Cheek	0.422	0.120	0.542
			Right Tilt	0.494	0.069	0.563
5A+n7A	Ant.3	Ant.0	Left Chhek	0.291	0.094	0.385
			Left Tilt	0.138	0.151	0.289
			Right Cheek	0.603	0.074	0.677
			Right Tilt	0.196	0.120	0.316
5A+n7A	Ant.3	Ant.1	Left Chhek	0.291	0.354	0.645
			Left Tilt	0.138	0.331	0.469
			Right Cheek	0.603	0.460	1.063
			Right Tilt	0.196	0.492	0.688
66A+n7A	Ant.1	Ant.0	Left Chhek	0.165	0.108	0.273
			Left Tilt	0.245	0.055	0.300
			Right Cheek	0.422	0.092	0.514
			Right Tilt	0.494	0.052	0.546

66A+n7A	Ant.1	Ant.5	Left Chhek	0.165	0.358	0.523
			Left Tilt	0.245	0.071	0.316
			Right Cheek	0.422	0.095	0.517
			Right Tilt	0.494	0.060	0.554
66A+n7A	Ant.3	Ant.0	Left Chhek	0.291	0.108	0.399
			Left Tilt	0.138	0.055	0.193
			Right Cheek	0.603	0.092	0.695
			Right Tilt	0.196	0.052	0.248
66A+n7A	Ant.3	Ant.5	Left Chhek	0.291	0.358	0.649
			Left Tilt	0.138	0.071	0.209
			Right Cheek	0.603	0.095	0.698
			Right Tilt	0.196	0.060	0.256
5A+n66A	Ant.1	Ant.0	Left Chhek	0.071	0.094	0.165
			Left Tilt	0.094	0.151	0.245
			Right Cheek	0.107	0.074	0.181
			Right Tilt	0.145	0.120	0.265
5A+n66A	Ant.3	Ant.0	Left Chhek	0.000	0.094	0.094
			Left Tilt	0.000	0.151	0.151
			Right Cheek	0.045	0.074	0.119
			Right Tilt	0.000	0.120	0.120
5A+n66A	Ant.3	Ant.1	Left Chhek	0.000	0.354	0.354
			Left Tilt	0.000	0.331	0.331
			Right Cheek	0.045	0.460	0.505
			Right Tilt	0.000	0.492	0.492
7A+n66A	Ant.1	Ant.0	Left Chhek	0.071	0.237	0.308
			Left Tilt	0.094	0.160	0.254
			Right Cheek	0.107	0.425	0.532
			Right Tilt	0.145	0.258	0.403
7A+n66A	Ant.1	Ant.5	Left Chhek	0.071	0.442	0.513
			Left Tilt	0.094	0.079	0.173
			Right Cheek	0.107	0.095	0.202
			Right Tilt	0.145	0.069	0.214
7A+n66A	Ant.3	Ant.0	Left Chhek	0.000	0.237	0.237
			Left Tilt	0.000	0.160	0.160
			Right Cheek	0.045	0.425	0.470
			Right Tilt	0.000	0.258	0.258
7A+n66A	Ant.3	Ant.5	Left Chhek	0.000	0.442	0.442
			Left Tilt	0.000	0.079	0.079
			Right Cheek	0.045	0.095	0.140
			Right Tilt	0.000	0.069	0.069
12A+n66A	Ant.1	Ant.0	Left Chhek	0.071	0.110	0.181
			Left Tilt	0.094	0.056	0.150
			Right Cheek	0.107	0.086	0.193
			Right Tilt	0.145	0.000	0.145
12A+n66A	Ant.3	Ant.0	Left Chhek	0.000	0.110	0.110

			Left Tilt	0.000	0.056	0.056
			Right Cheek	0.045	0.086	0.131
			Right Tilt	0.000	0.000	0.000
12A+n66A	Ant.3	Ant.1	Left Chhek	0.000	0.318	0.318
			Left Tilt	0.000	0.306	0.306
			Right Cheek	0.045	0.476	0.521
			Right Tilt	0.000	0.496	0.496
2A+n41A	Ant.1	Ant.0	Left Chhek	0.179	0.163	0.342
			Left Tilt	0.205	0.066	0.271
			Right Cheek	0.418	0.118	0.536
			Right Tilt	0.513	0.087	0.600
2A+n41A	Ant.1	Ant.5	Left Chhek	0.179	0.358	0.537
			Left Tilt	0.205	0.083	0.288
			Right Cheek	0.418	0.105	0.523
			Right Tilt	0.513	0.069	0.582
2A+n41A	Ant.3	Ant.0	Left Chhek	0.261	0.163	0.424
			Left Tilt	0.110	0.066	0.176
			Right Cheek	0.476	0.118	0.594
			Right Tilt	0.145	0.087	0.232
2A+n41A	Ant.3	Ant.5	Left Chhek	0.261	0.358	0.619
			Left Tilt	0.110	0.083	0.193
			Right Cheek	0.476	0.105	0.581
			Right Tilt	0.145	0.069	0.214
26A+n41A	Ant.1	Ant.0	Left Chhek	0.179	0.124	0.303
			Left Tilt	0.205	0.061	0.266
			Right Cheek	0.418	0.109	0.527
			Right Tilt	0.513	0.052	0.565
26A+n41A	Ant.3	Ant.0	Left Chhek	0.261	0.124	0.385
			Left Tilt	0.110	0.061	0.171
			Right Cheek	0.476	0.109	0.585
			Right Tilt	0.145	0.052	0.197
26A+n41A	Ant.3	Ant.1	Left Chhek	0.261	0.320	0.581
			Left Tilt	0.110	0.320	0.430
			Right Cheek	0.476	0.396	0.872
			Right Tilt	0.145	0.453	0.598
66A+n41A	Ant.1	Ant.0	Left Chhek	0.179	0.108	0.287
			Left Tilt	0.205	0.055	0.260
			Right Cheek	0.418	0.092	0.510
			Right Tilt	0.513	0.052	0.565
66A+n41A	Ant.1	Ant.5	Left Chhek	0.179	0.358	0.537
			Left Tilt	0.205	0.071	0.276
			Right Cheek	0.418	0.095	0.513
			Right Tilt	0.513	0.060	0.573
66A+n41A	Ant.3	Ant.0	Left Chhek	0.261	0.108	0.369
			Left Tilt	0.110	0.055	0.165

			Right Cheek	0.476	0.092	0.568
			Right Tilt	0.145	0.052	0.197
66A+n41A	Ant.3	Ant.5	Left Chhek	0.261	0.358	0.619
			Left Tilt	0.110	0.071	0.181
			Right Cheek	0.476	0.095	0.571
			Right Tilt	0.145	0.060	0.205

Note:

1: The simultaneous transmission combinations of the three 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 1.260 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.2.8 Body Worn Simultaneous Transmission SAR Evaluation for ENDC Mode

ED-DC Configuratoin	NR Ant.	LTE Ant.	Position	Stand alone SAR		
				NR Band	LTE Band	ENDC（LTE+NR）
7A+n5A	Ant.0	Ant.1	Front Side 15mm	0.018	0.108	0.126
			Back Side 15mm	0.043	0.215	0.258
7A+n5A	Ant.0	Ant.3	Front Side 15mm	0.018	0.088	0.106
			Back Side 15mm	0.043	0.113	0.156
7A+n5A	Ant.1	Ant.3	Front Side 15mm	0.103	0.088	0.191
			Back Side 15mm	0.119	0.113	0.232
66A+n5A	Ant.0	Ant.1	Front Side 15mm	0.018	0.127	0.145
			Back Side 15mm	0.043	0.182	0.225
66A+n5A	Ant.0	Ant.3	Front Side 15mm	0.018	0.000	0.018
			Back Side 15mm	0.043	0.099	0.142
66A+n5A	Ant.1	Ant.3	Front Side 15mm	0.103	0.000	0.103
			Back Side 15mm	0.119	0.099	0.218
5A+n7A	Ant.1	Ant.0	Front Side 15mm	0.143	0.120	0.263
			Back Side 15mm	0.216	0.158	0.374
5A+n7A	Ant.3	Ant.0	Front Side 15mm	0.090	0.120	0.210
			Back Side 15mm	0.132	0.158	0.290
5A+n7A	Ant.3	Ant.1	Front Side 15mm	0.090	0.111	0.201
			Back Side 15mm	0.132	0.131	0.263
66A+n7A	Ant.1	Ant.0	Front Side 15mm	0.143	0.134	0.277
			Back Side 15mm	0.216	0.199	0.415
66A+n7A	Ant.1	Ant.5	Front Side 15mm	0.143	0.000	0.143
			Back Side 15mm	0.216	0.042	0.258
66A+n7A	Ant.3	Ant.0	Front Side 15mm	0.090	0.134	0.224
			Back Side 15mm	0.132	0.199	0.331
66A+n7A	Ant.3	Ant.5	Front Side 15mm	0.090	0.000	0.090
			Back Side 15mm	0.132	0.042	0.174
5A+n66A	Ant.1	Ant.0	Front Side 15mm	0.142	0.120	0.262
			Back Side 15mm	0.213	0.158	0.371
5A+n66A	Ant.3	Ant.0	Front Side 15mm	0.000	0.120	0.120

			Back Side 15mm	0.000	0.158	0.158
5A+n66A	Ant.3	Ant.1	Front Side 15mm	0.000	0.111	0.111
			Back Side 15mm	0.000	0.131	0.131
7A+n66A	Ant.1	Ant.0	Front Side 15mm	0.142	0.209	0.351
			Back Side 15mm	0.213	0.243	**0.456**
7A+n66A	Ant.1	Ant.5	Front Side 15mm	0.142	0.054	0.196
			Back Side 15mm	0.213	0.095	0.308
7A+n66A	Ant.3	Ant.0	Front Side 15mm	0.000	0.209	0.209
			Back Side 15mm	0.000	0.243	0.243
7A+n66A	Ant.3	Ant.5	Front Side 15mm	0.000	0.054	0.054
			Back Side 15mm	0.000	0.095	0.095
12A+n66A	Ant.1	Ant.0	Front Side 15mm	0.142	0.111	0.253
			Back Side 15mm	0.213	0.147	0.360
12A+n66A	Ant.3	Ant.0	Front Side 15mm	0.000	0.111	0.111
			Back Side 15mm	0.000	0.147	0.147
12A+n66A	Ant.3	Ant.1	Front Side 15mm	0.000	0.159	0.159
			Back Side 15mm	0.000	0.209	0.209
2A+n41A	Ant.1	Ant.0	Front Side 15mm	0.065	0.151	0.216
			Back Side 15mm	0.151	0.244	0.395
2A+n41A	Ant.1	Ant.5	Front Side 15mm	0.065	0.026	0.091
			Back Side 15mm	0.151	0.047	0.198
2A+n41A	Ant.3	Ant.0	Front Side 15mm	0.106	0.151	0.257
			Back Side 15mm	0.156	0.244	0.400
2A+n41A	Ant.3	Ant.5	Front Side 15mm	0.106	0.026	0.132
			Back Side 15mm	0.156	0.047	0.203
26A+n41A	Ant.1	Ant.0	Front Side 15mm	0.065	0.091	0.156
			Back Side 15mm	0.151	0.117	0.268
26A+n41A	Ant.3	Ant.0	Front Side 15mm	0.106	0.091	0.197
			Back Side 15mm	0.156	0.117	0.273
26A+n41A	Ant.3	Ant.1	Front Side 15mm	0.106	0.099	0.205
			Back Side 15mm	0.156	0.138	0.294
66A+n41A	Ant.1	Ant.0	Front Side 15mm	0.065	0.134	0.199
			Back Side 15mm	0.151	0.199	0.350
66A+n41A	Ant.1	Ant.5	Front Side 15mm	0.065	0.000	0.065
			Back Side 15mm	0.151	0.042	0.193
66A+n41A	Ant.3	Ant.0	Front Side 15mm	0.106	0.134	0.240
			Back Side 15mm	0.156	0.199	0.355
66A+n41A	Ant.3	Ant.5	Front Side 15mm	0.106	0.000	0.106
			Back Side 15mm	0.156	0.042	0.198

Note:

1: The simultaneous transmission combinations of the three 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 0.456 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
750MHz Validation Dipole	Speag	D750V3	SN: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 3717	2021/06/07	2022/06/06
Data Acquisition Electronics	Speag	DAE4	SN: 1226	2021/05/17	2022/05/16
Signal Generator	R&S	SMB100A	177746	2021/08/24	2022/08/23
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z4	100381	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z2	100211	2021/09/08	2022/09/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2021/03/16	2022/03/15
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/03/16	2022/03/15
Network Analyzer	Agilent	E5071B	MY42404001	2021/04/01	2022/03/31
Thermometer	Elitech	RC-4HC	EF720B004820	2021/12/01	2022/11/30
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom1	Speag	SAM	SN: 1859	N/A	N/A
Phantom2	Speag	SAM	SN: 1857	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. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2022.01.10	Head	750	21.5	0.92	40.68	0.89	41.94	3.37	-3.00
2022.01.11	Head	750	21.3	0.90	41.71	0.89	41.94	1.12	-0.55
2022.01.12	Head	750	21.2	0.88	41.35	0.89	41.94	-1.12	-1.41
2022.01.13	Head	835	21.2	0.89	40.82	0.90	41.50	-1.11	-1.64
2022.01.14	Head	835	21.3	0.90	40.67	0.90	41.50	0.00	-2.00
2022.01.15	Head	835	21.1	0.91	41.72	0.90	41.50	1.11	0.53
2022.01.16	Head	835	21.1	0.90	41.79	0.90	41.50	0.00	0.70
2022.01.17	Head	835	21.2	0.91	41.26	0.90	41.50	1.11	-0.58
2022.01.18	Head	1750	21.6	1.34	41.23	1.37	40.08	-2.19	2.87
2022.01.19	Head	1750	21.6	1.41	39.53	1.37	40.08	2.92	-1.37
2022.01.20	Head	1750	21.3	1.36	40.42	1.37	40.08	-0.73	0.85
2022.01.21	Head	1750	21.3	1.38	40.08	1.37	40.08	0.73	0.00
2022.01.22	Head	1900	22.1	1.41	40.20	1.40	40.00	0.71	0.50
2022.01.23	Head	1900	21.1	1.42	40.13	1.40	40.00	1.43	0.33
2022.01.24	Head	1900	21.4	1.43	39.72	1.40	40.00	2.14	-0.70
2022.01.31	Head	2450	21.1	1.83	39.10	1.80	39.20	1.67	-0.26
2022.02.13	Head	2450	21.2	1.77	40.16	1.80	39.20	-1.67	2.45
2022.02.14	Head	2450	21.0	1.84	39.62	1.80	39.20	2.22	1.07
2022.01.25	Head	2600	21.4	1.98	38.10	1.96	39.01	1.02	-2.33
2022.01.26	Head	2600	21.2	1.98	38.42	1.96	39.01	1.02	-1.51
2022.01.27	Head	2600	21.1	1.95	38.53	1.96	39.01	-0.51	-1.23
2022.01.28	Head	2600	21.4	1.97	38.38	1.96	39.01	0.51	-1.61
2022.01.29	Head	2600	21.5	1.99	38.72	1.96	39.01	1.53	-0.74
2022.01.30	Head	2600	20.9	1.95	38.95	1.96	39.01	-0.51	-0.15
2022.02.07	Head	2600	21.4	2.02	38.02	1.96	39.01	3.06	-2.54
2022.02.08	Head	2600	21.5	2.01	38.81	1.96	39.01	2.55	-0.51
2022.02.12	Head	2600	21.3	1.91	39.05	1.96	39.01	-2.55	0.10
2022.02.01	Head	5250	21.3	4.63	36.66	4.66	35.99	-0.64	1.86
2022.02.02	Head	5250	21.7	4.69	36.36	4.66	35.99	0.64	1.03
2022.02.09	Head	5250	21.1	4.86	34.72	4.66	35.99	4.29	-3.53
2022.02.03	Head	5600	21.8	4.97	36.43	5.07	35.53	-1.97	2.53
2022.02.04	Head	5600	21.1	4.96	36.21	5.07	35.53	-2.17	1.91
2022.02.10	Head	5600	21.1	5.22	34.60	5.07	35.53	2.96	-2.62
2022.02.05	Head	5750	21.3	5.32	35.43	5.27	35.30	0.95	0.37
2022.02.06	Head	5750	21.4	5.32	35.21	5.27	35.30	0.95	-0.25

2022.02.11	Head	5750	21.2	5.27	36.32	5.27	35.30	0.00	2.89
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2022.01.10	Head	750	100	0.848	8.48	8.29	2.29
2022.01.11	Head	750	100	0.851	8.51	8.29	2.65
2022.01.12	Head	750	100	0.798	7.98	8.29	-3.74
2022.01.13	Head	835	100	0.913	9.13	9.49	-3.79
2022.01.14	Head	835	100	0.945	9.45	9.49	-0.42
2022.01.15	Head	835	100	0.916	9.16	9.49	-3.48
2022.01.16	Head	835	100	0.907	9.07	9.49	-4.43
2022.01.17	Head	835	100	0.902	9.02	9.49	-4.95
2022.01.18	Head	1750	100	3.720	37.20	36.80	1.09
2022.01.19	Head	1750	100	3.540	35.40	36.80	-3.80
2022.01.20	Head	1750	100	3.730	37.30	36.80	1.36
2022.01.21	Head	1750	100	3.720	37.20	36.80	1.09
2022.01.22	Head	1900	100	4.050	40.50	39.40	2.79
2022.01.23	Head	1900	100	3.850	38.50	39.40	-2.28
2022.01.24	Head	1900	100	4.030	40.30	39.40	2.28
2022.01.31	Head	2450	100	5.030	50.30	52.60	-4.37
2022.02.13	Head	2450	100	5.440	54.40	52.60	3.42
2022.02.14	Head	2450	100	5.310	53.10	52.60	0.95
2022.01.25	Head	2600	100	5.730	57.30	56.30	1.78
2022.01.26	Head	2600	100	5.420	54.20	56.30	-3.73
2022.01.27	Head	2600	100	5.530	55.30	56.30	-1.78
2022.01.28	Head	2600	100	5.700	57.00	56.30	1.24
2022.01.29	Head	2600	100	5.510	55.10	56.30	-2.13
2022.01.30	Head	2600	100	5.510	55.10	56.30	-2.13
2022.02.07	Head	2600	100	5.720	57.20	56.30	1.60
2022.02.08	Head	2600	100	5.520	55.20	56.30	-1.95
2022.02.12	Head	2600	100	5.410	54.10	56.30	-3.91
2022.02.01	Head	5250	100	7.460	74.60	73.90	0.95
2022.02.02	Head	5250	100	7.380	73.80	73.90	-0.14
2022.02.09	Head	5250	100	7.710	77.10	73.90	4.33
2022.02.03	Head	5600	100	8.230	82.30	80.30	2.49
2022.02.04	Head	5600	100	8.200	82.00	80.30	2.12
2022.02.10	Head	5600	100	8.280	82.80	80.30	3.11
2022.02.05	Head	5750	100	8.280	82.80	76.90	7.67
2022.02.06	Head	5750	100	7.680	76.80	76.90	-0.13
2022.02.11	Head	5750	100	7.610	76.10	76.90	-1.04
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2022.02.03	5600	100	2.170	21.70	22.60	-3.98
2022.02.04	5600	100	2.190	21.90	22.60	-3.10
2022.02.10	5600	100	2.410	24.10	22.60	6.64
Note: The tolerance limit of System validation ±10%.						

System Performance Check Data (750MHz Head)

Date: 2022.01.10

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

Medium parameters used: f = 750 MHz; σ = 0.915 S/m; ε_r = 40.678; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.882 W/kg

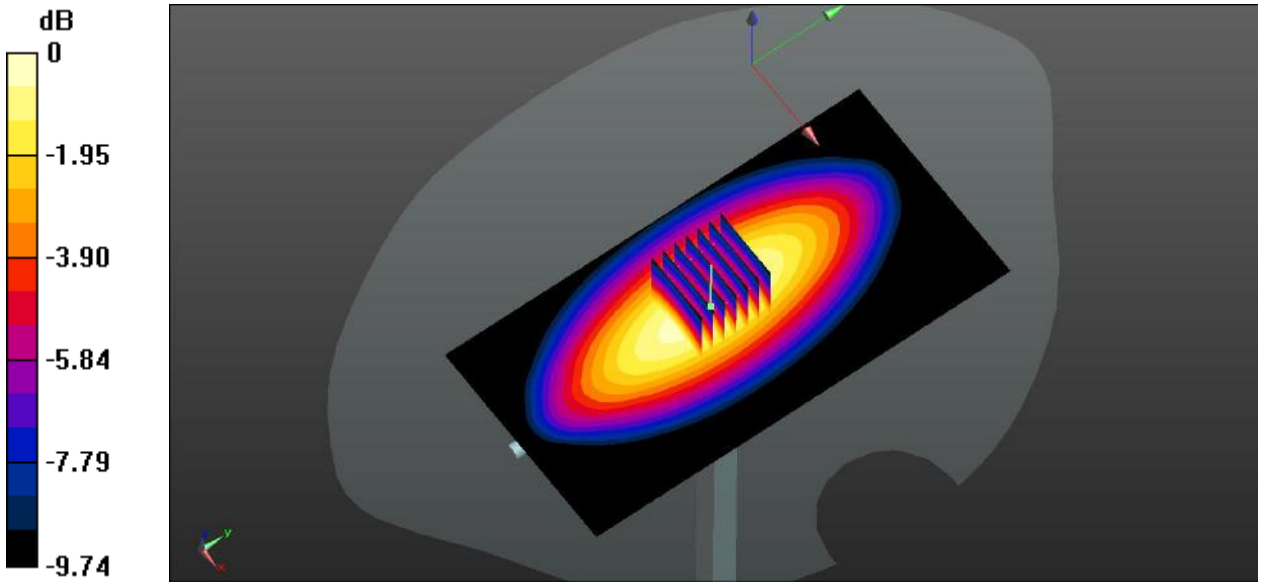
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.16 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.546 W/kg

Maximum value of SAR (measured) = 0.932 W/kg



0 dB = 0.932 W/kg

System Performance Check Data (750MHz Head)

Date: 2022.01.11

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.902 S/m; ε_r = 41.709; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.907 W/kg

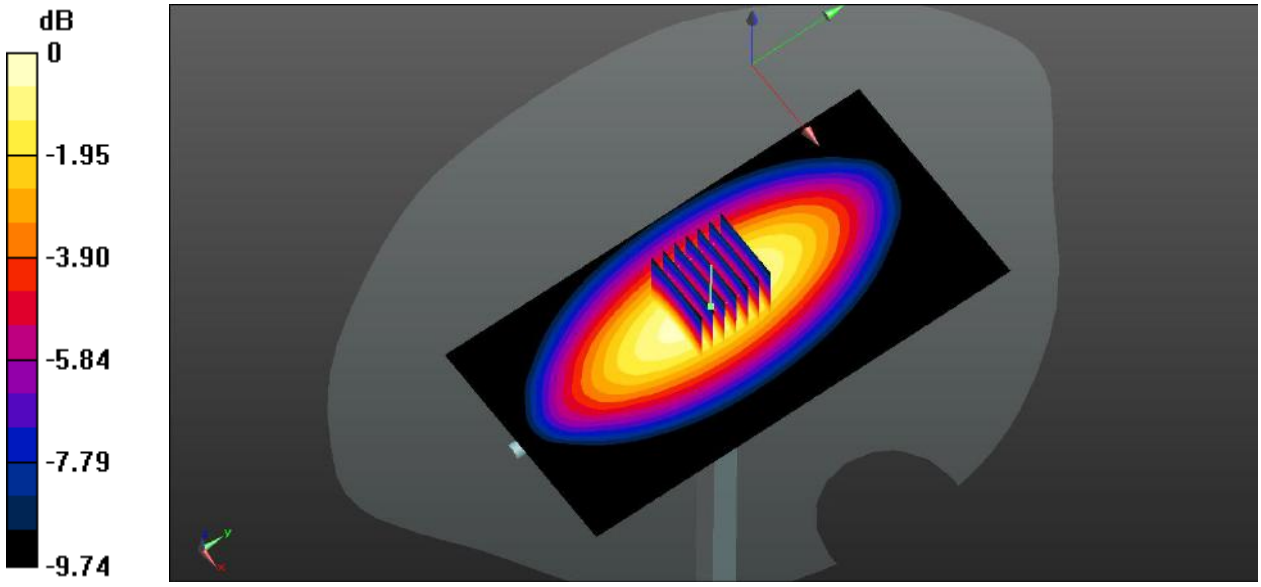
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.05 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.570 W/kg

Maximum value of SAR (measured) = 0.915 W/kg



0 dB = 0.915 W/kg

System Performance Check Data (750MHz Head)

Date: 2022.01.12

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.881 S/m; ε_r = 41.345; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.858 W/kg

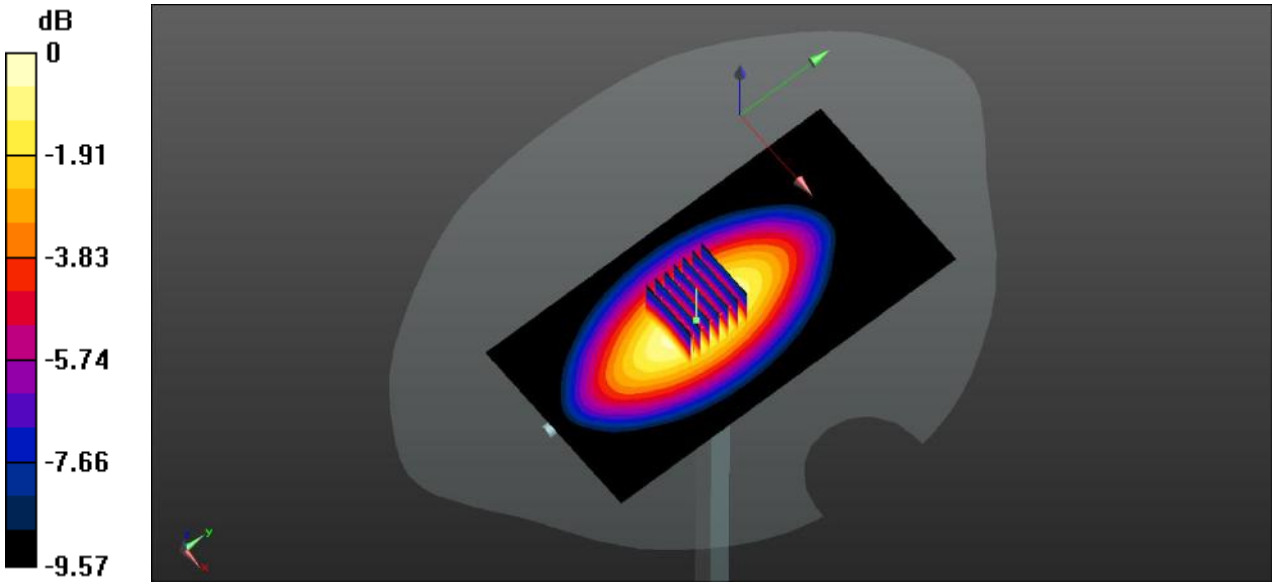
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.52 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.526 W/kg

Maximum value of SAR (measured) = 0.861 W/kg



0 dB = 0.861 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.01.13

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

Medium parameters used: f = 835 MHz; σ = 0.89 S/m; ε_r = 40.822; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.981 W/kg

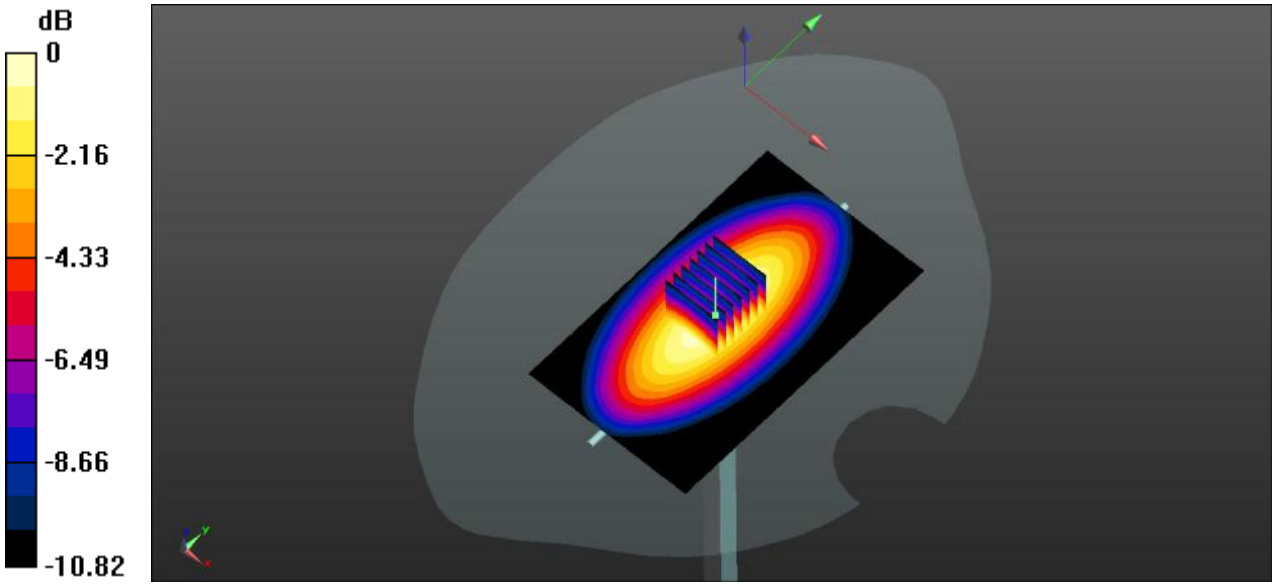
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.96 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.913 W/kg; SAR(10 g) = 0.614 W/kg

Maximum value of SAR (measured) = 0.994 W/kg



0 dB = 0.994 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.01.14

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

Medium parameters used: f = 835 MHz; σ = 0.902 S/m; ε_r = 40.667; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

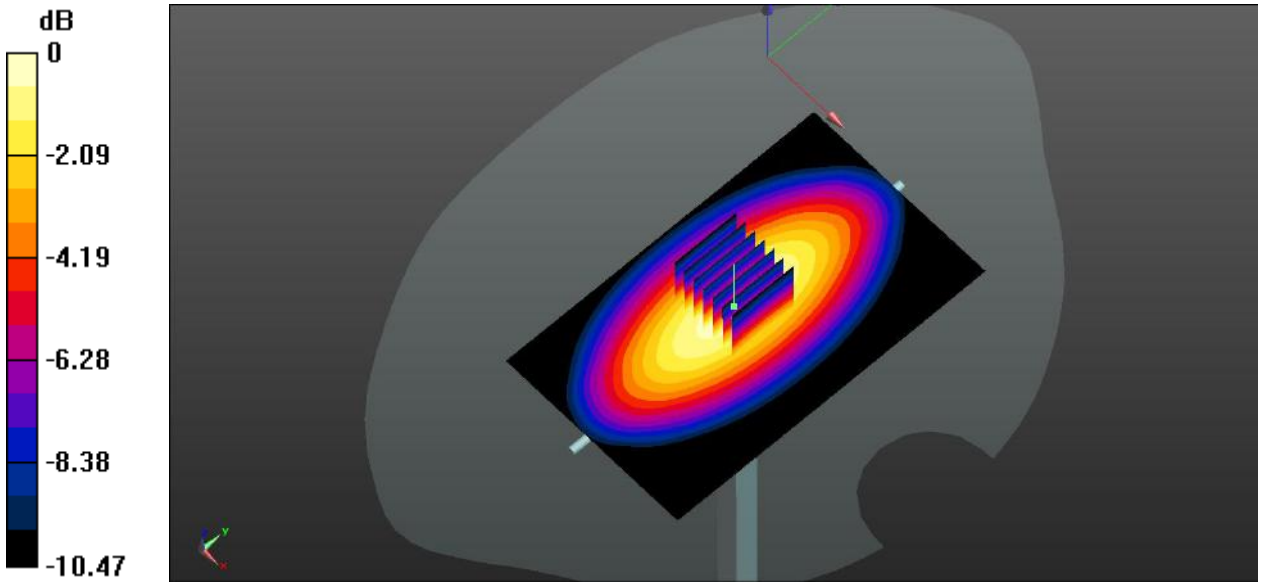
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.15 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.618 W/kg

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.01.15

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

Medium parameters used: f = 835 MHz; σ = 0.907 S/m; ε_r = 41.722; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

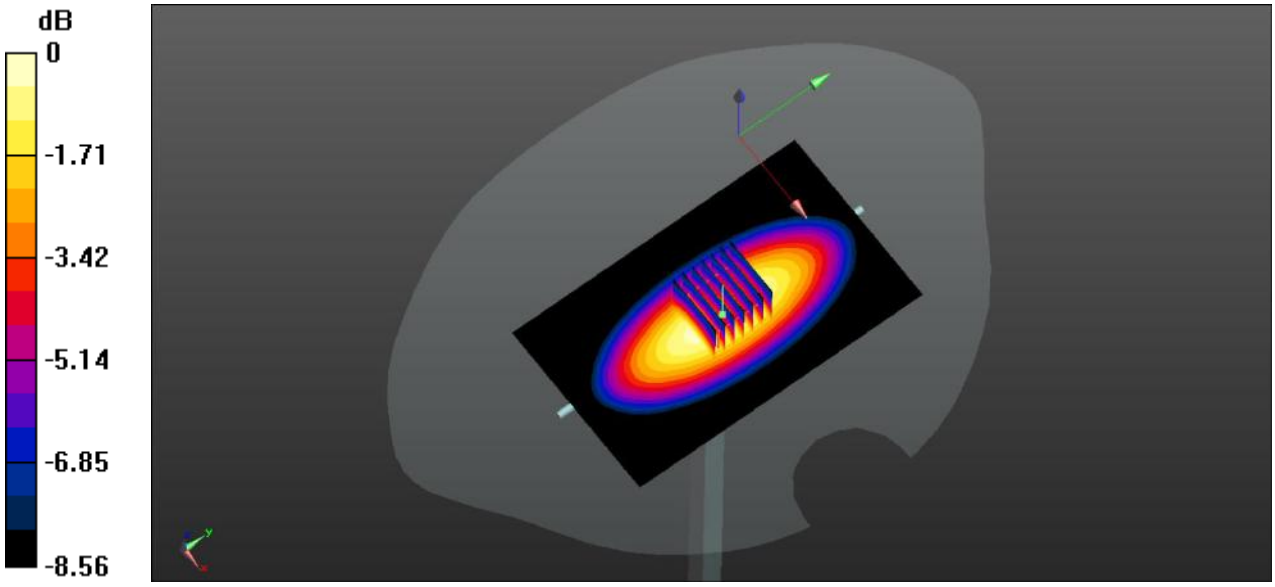
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.03 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.631 W/kg

Maximum value of SAR (measured) = 0.985 W/kg



0 dB = 0.985 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.01.16

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

Medium parameters used: f = 835 MHz; σ = 0.895 S/m; ε_r = 41.792; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.975 W/kg

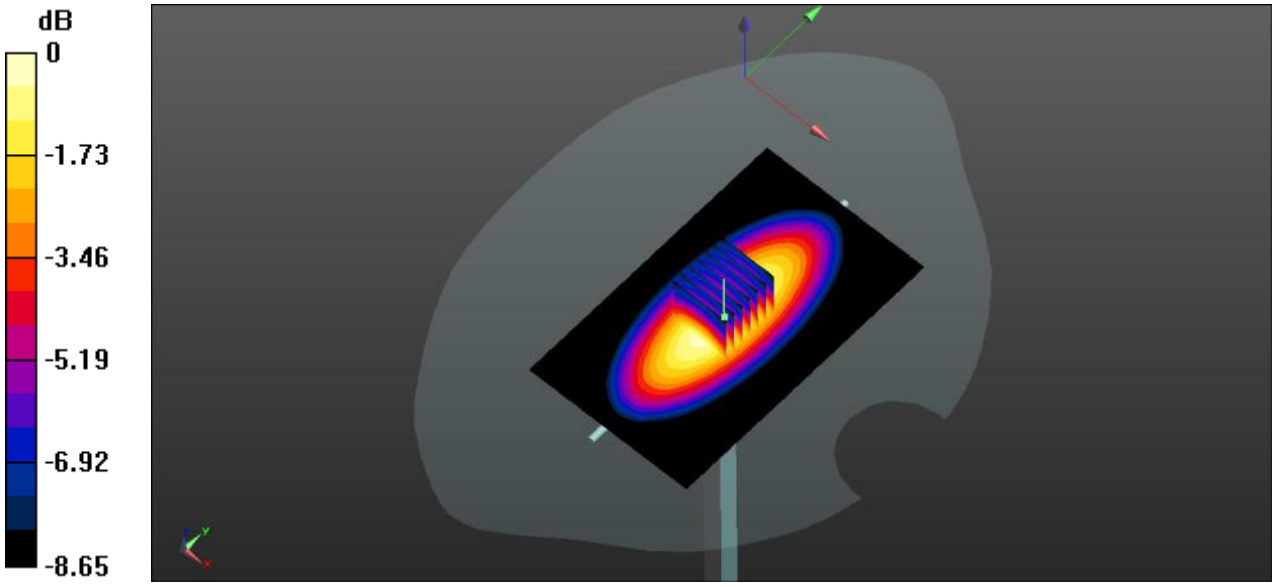
CW 835 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.6 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.622 W/kg

Maximum value of SAR (measured) = 0.973 W/kg



0 dB = 0.973 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.01.17

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

Medium parameters used: f = 835 MHz; σ = 0.912 S/m; ε_r = 41.256; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.971 W/kg

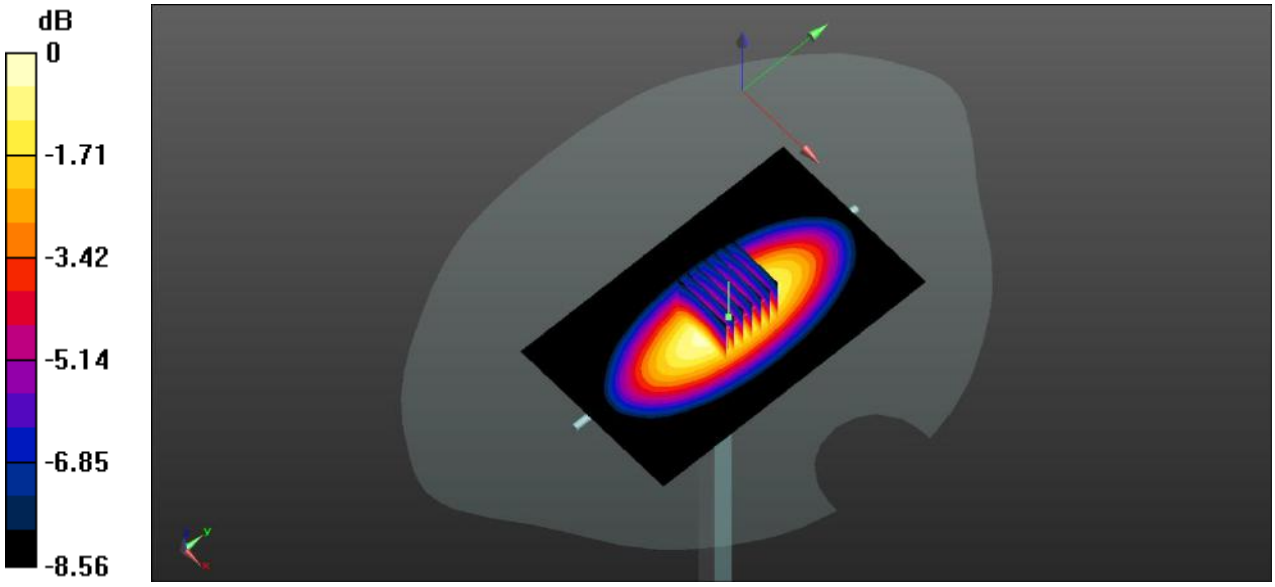
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.01 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.624 W/kg

Maximum value of SAR (measured) = 0.975 W/kg



0 dB = 0.975 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.01.18

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

Medium parameters used: f = 1750 MHz; σ = 1.337 S/m; ε_r = 41.233; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

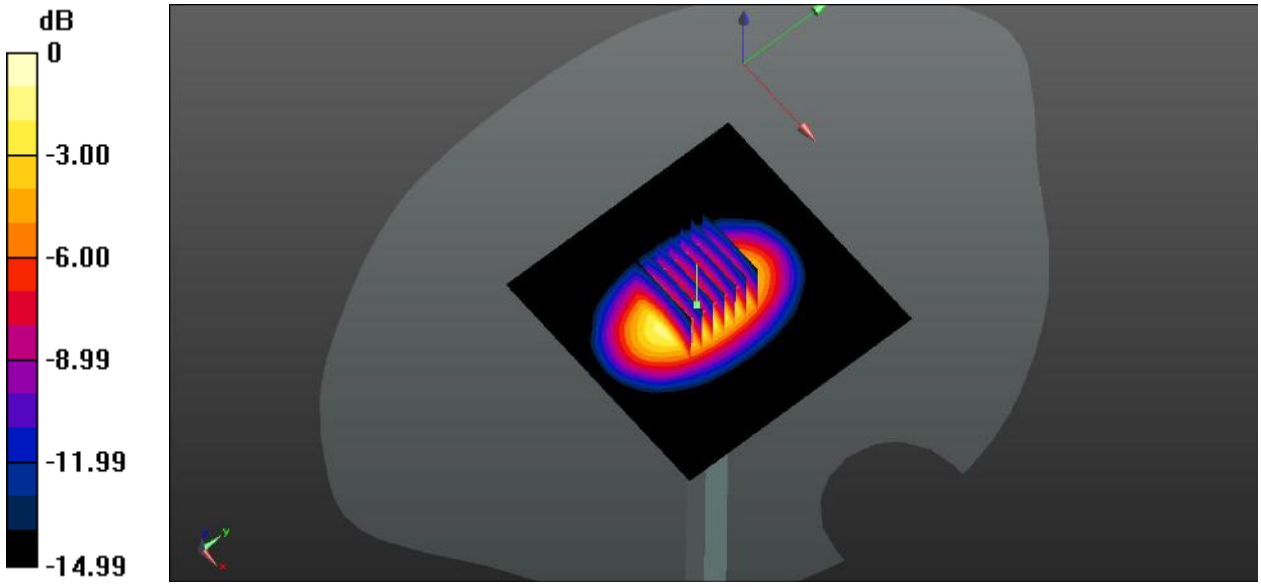
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.24 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.49 W/kg

SAR(1 g) = 3.72 W/kg; SAR(10 g) = 2.05 W/kg

Maximum value of SAR (measured) = 4.16 W/kg



0 dB = 4.16 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.01.19

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

Medium parameters used: f = 1750 MHz; σ = 1.408 S/m; ε_r = 39.531; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.04 W/kg

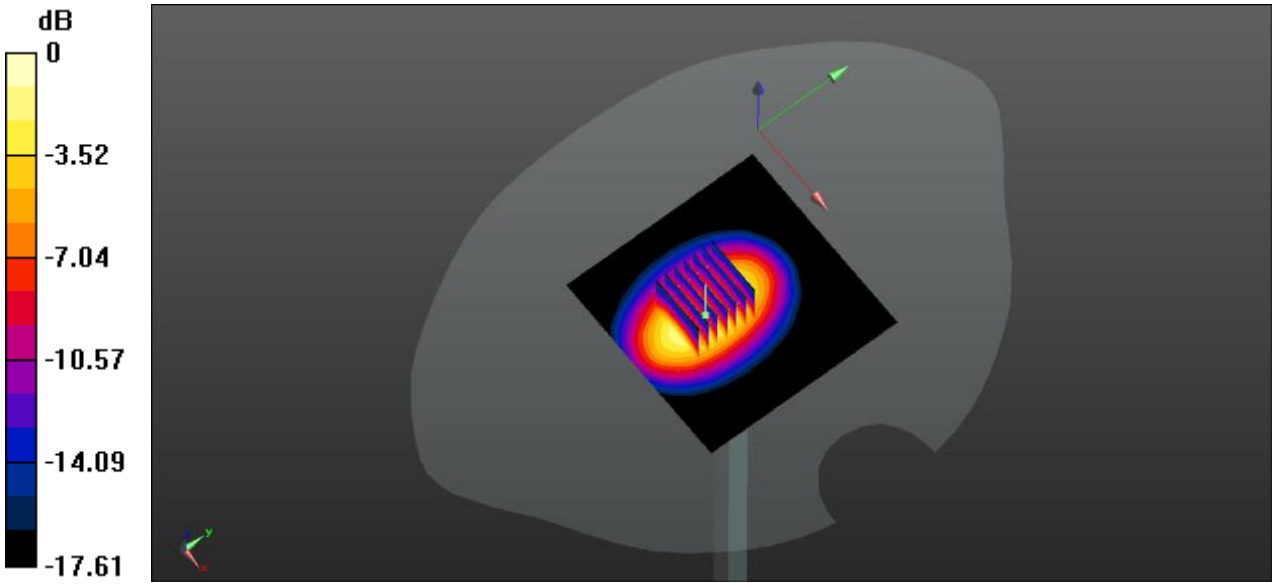
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.44 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 6.73 W/kg

SAR(1 g) = 3.54 W/kg; SAR(10 g) = 1.86 W/kg

Maximum value of SAR (measured) = 4.04 W/kg



0 dB = 4.04 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.01.20

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

Medium parameters used: f = 1750 MHz; σ = 1.362 S/m; ε_r = 40.423; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

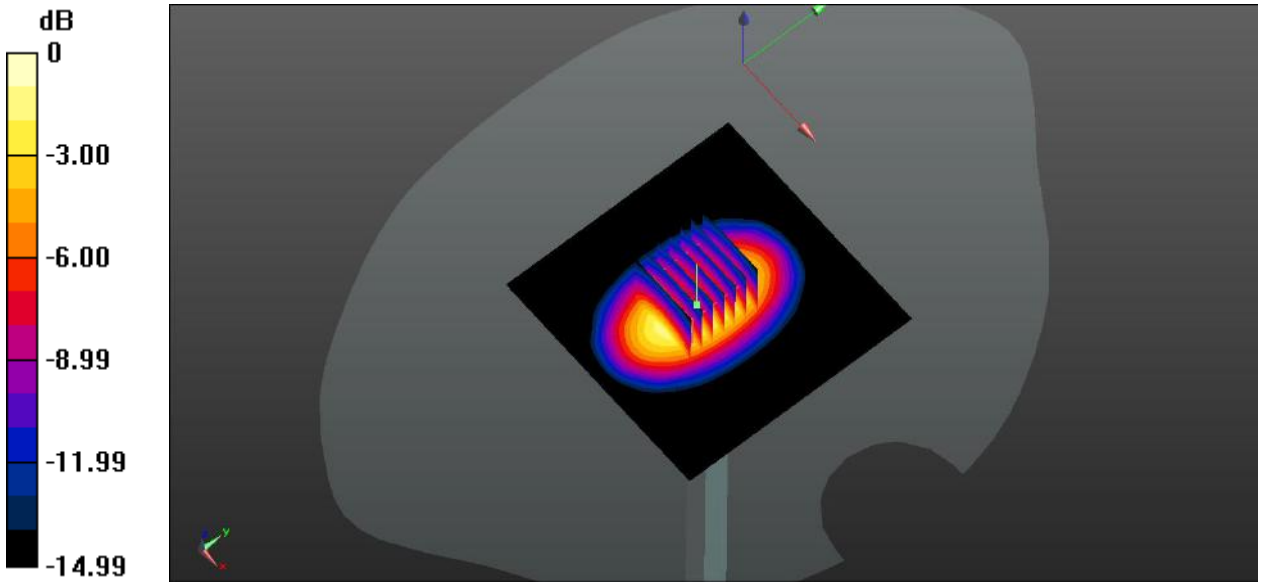
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.22 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 3.73 W/kg; SAR(10 g) = 2.06 W/kg

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



0 dB = 4.19 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.01.21

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.384 S/m; ε_r = 40.078; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.18 W/kg

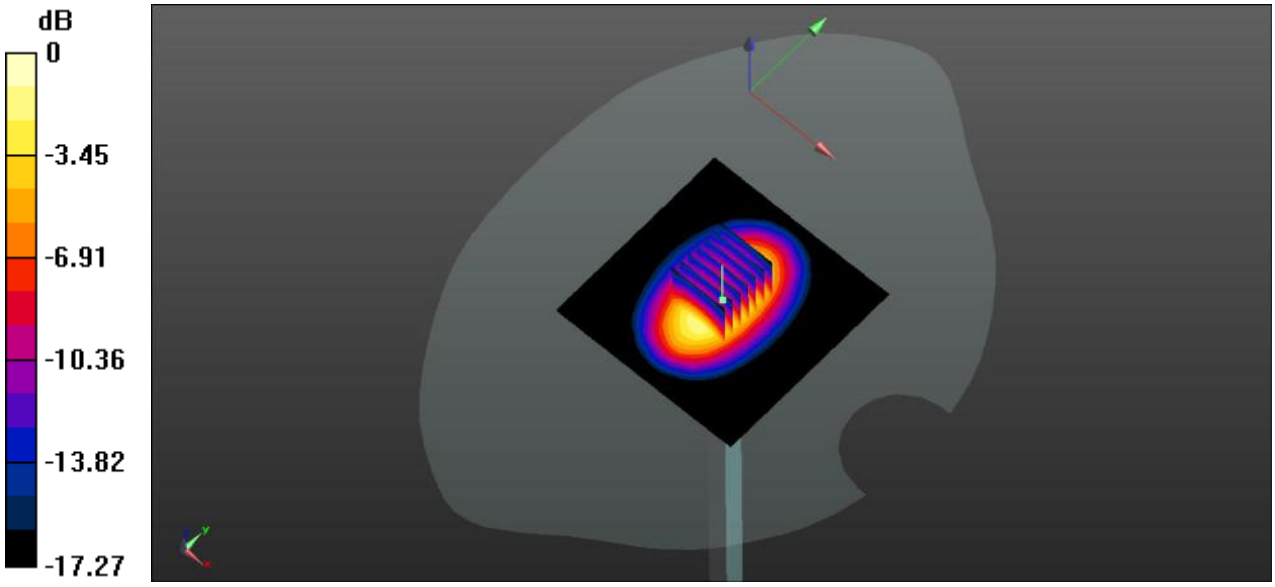
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 6.97 W/kg

SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.96 W/kg

Maximum value of SAR (measured) = 4.18 W/kg



0 dB = 4.18 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.01.22

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.409 S/m; ε_r = 40.202; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:22.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.56 W/kg

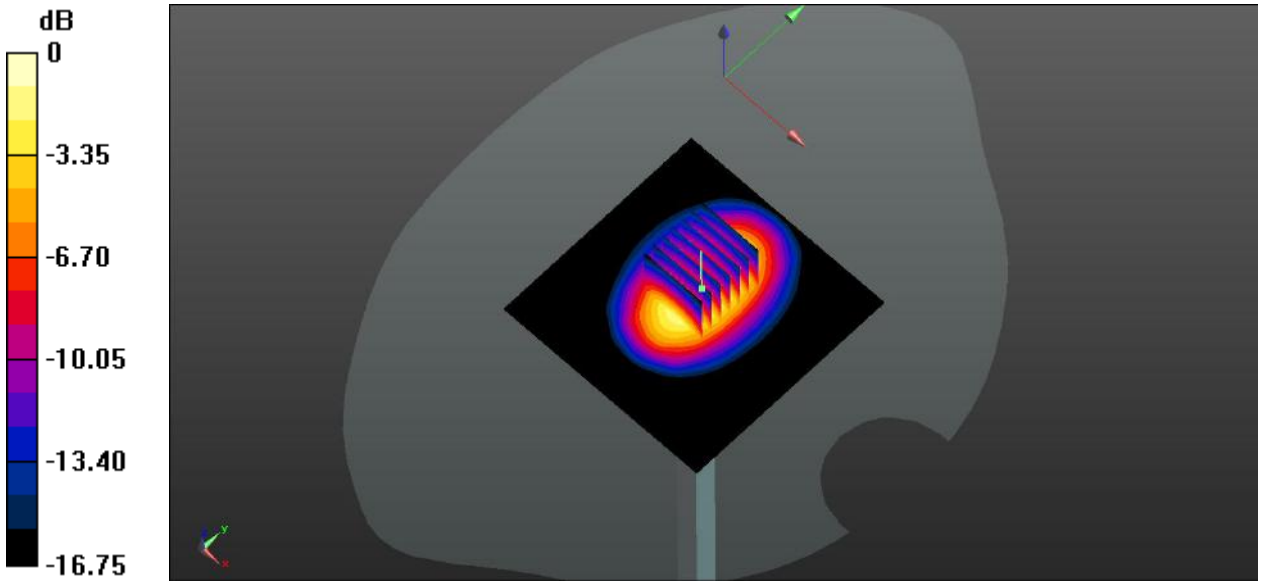
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.77 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.34 W/kg

SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (measured) = 4.58 W/kg



0 dB = 4.58 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.01.23

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.416 S/m; ε_r = 40.133; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.37 W/kg

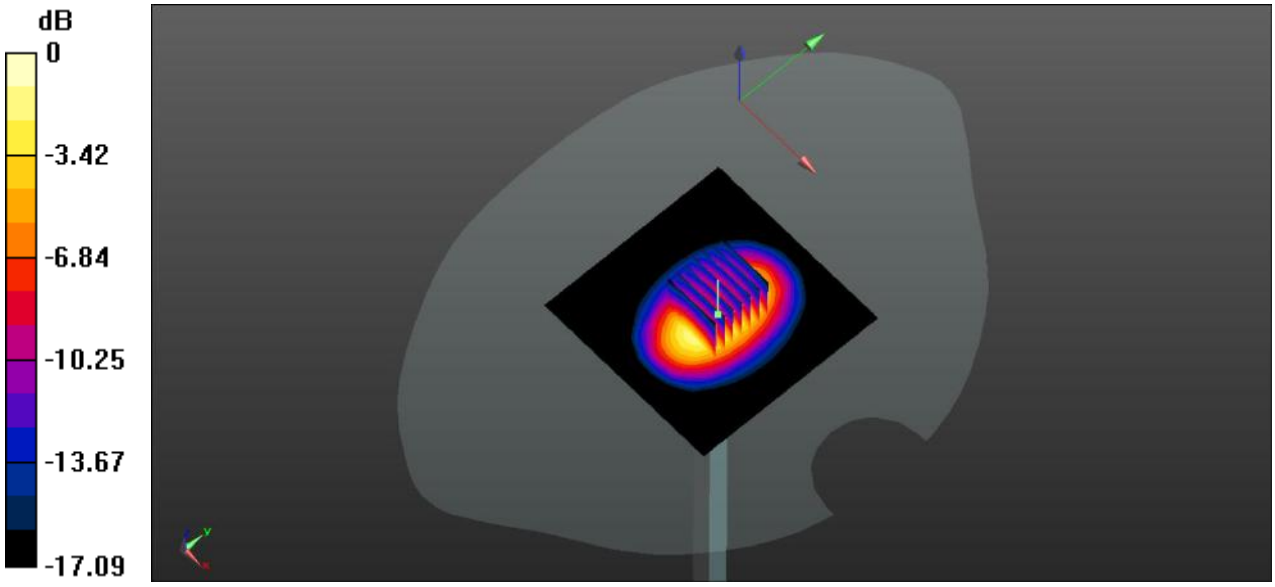
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.71 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 7.21 W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 4.36 W/kg



0 dB = 4.36 W/kg

System Performance Check Data (1900MHz Head)

Date: 2021.01.24

Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.431 S/m; ε_r = 39.723; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.57 W/kg

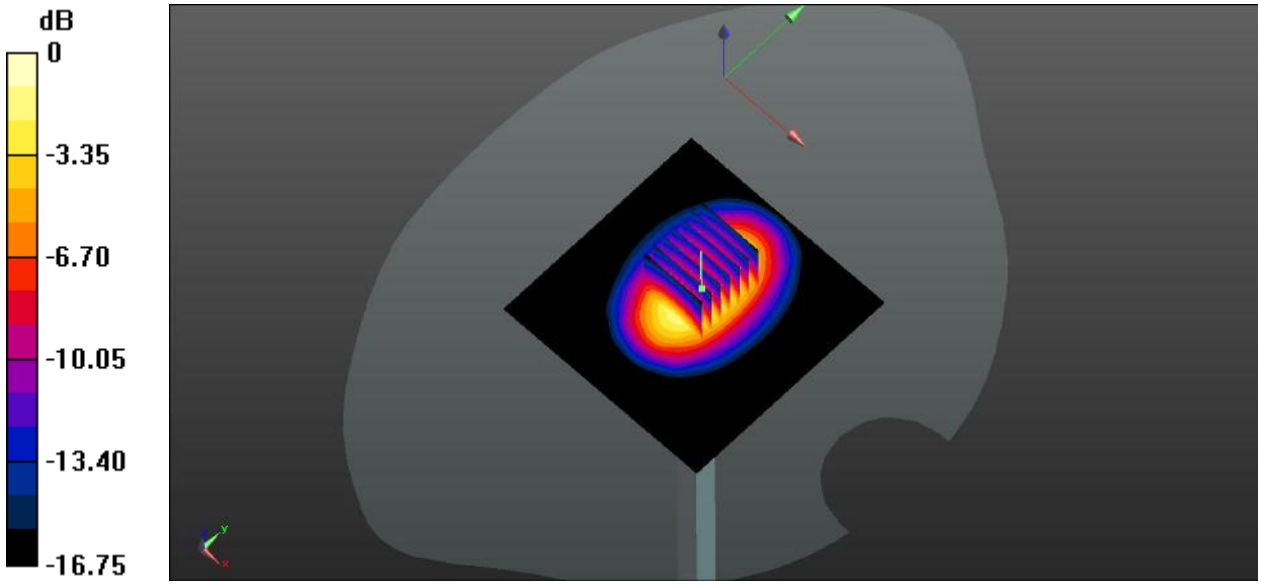
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.77 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 7.33 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 4.54 W/kg



0 dB = 4.54 W/kg

System Performance Check Data (2450MHz Head)

Date: 2022.01.31

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

Medium parameters used: f = 2450 MHz; σ = 1.827 S/m; ε_r = 39.098; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.76 W/kg

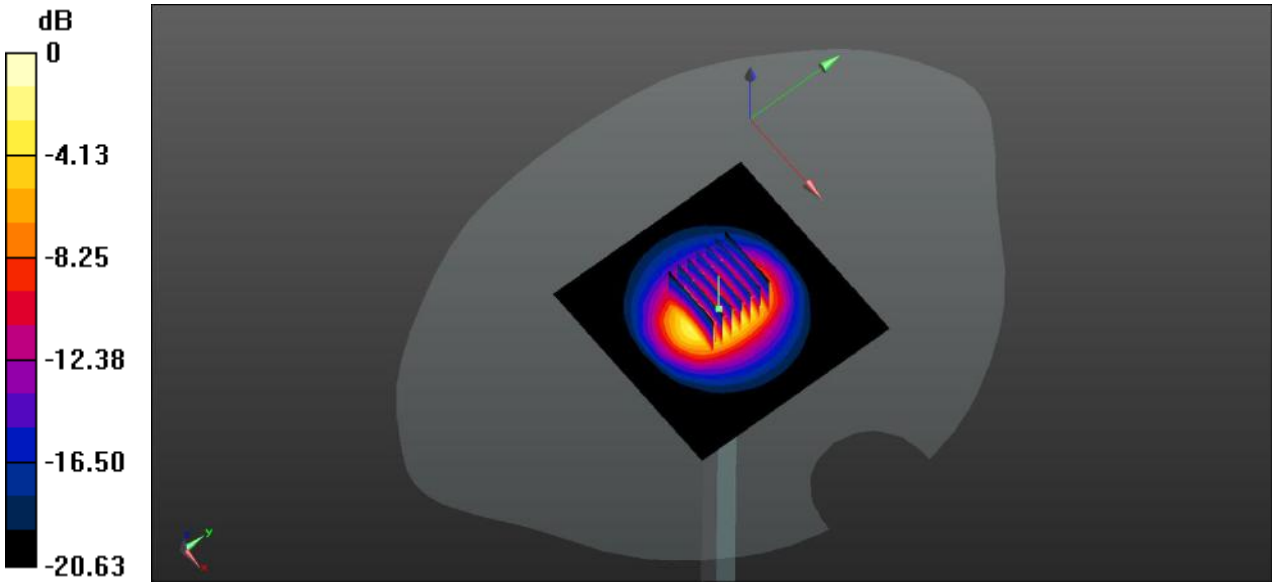
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.75 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.03 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 5.71 W/kg



0 dB = 5.71 W/kg

System Performance Check Data (2450MHz Head)

Date: 2022.02.13

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

Medium parameters used: f = 2450 MHz; σ = 1.772 S/m; ε_r = 40.164; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.89 W/kg

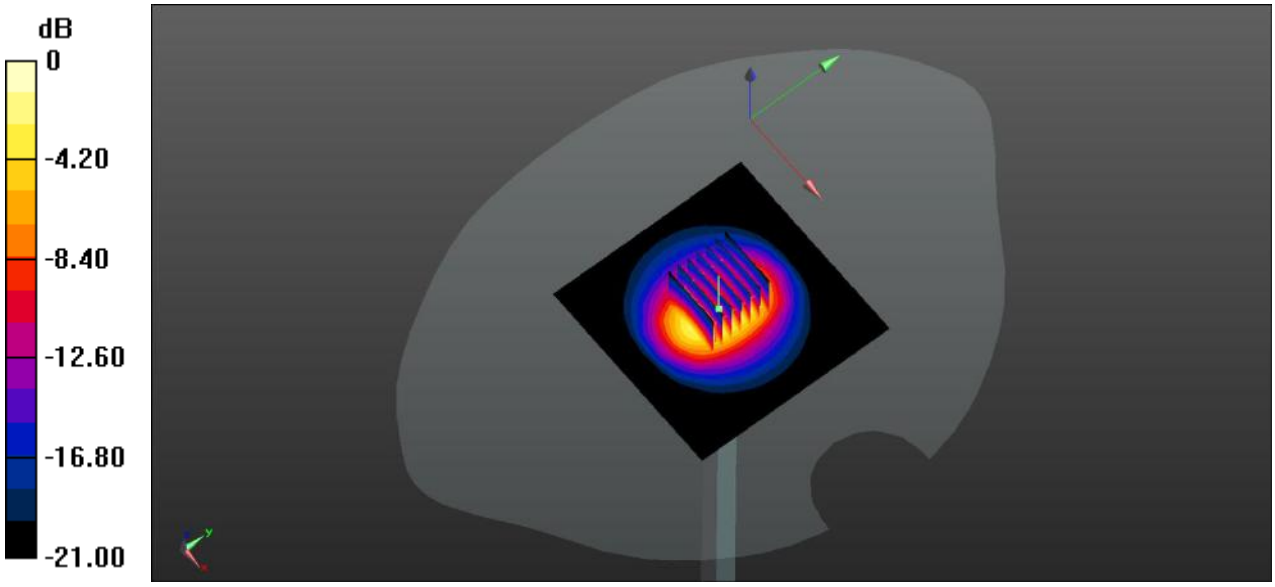
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.98 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 6.13 W/kg



0 dB = 6.13 W/kg

System Performance Check Data (2450MHz Head)

Date: 2022.02.14

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

Medium parameters used: f = 2450 MHz; σ = 1.838 S/m; ε_r = 39.623; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.0

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.58 W/kg

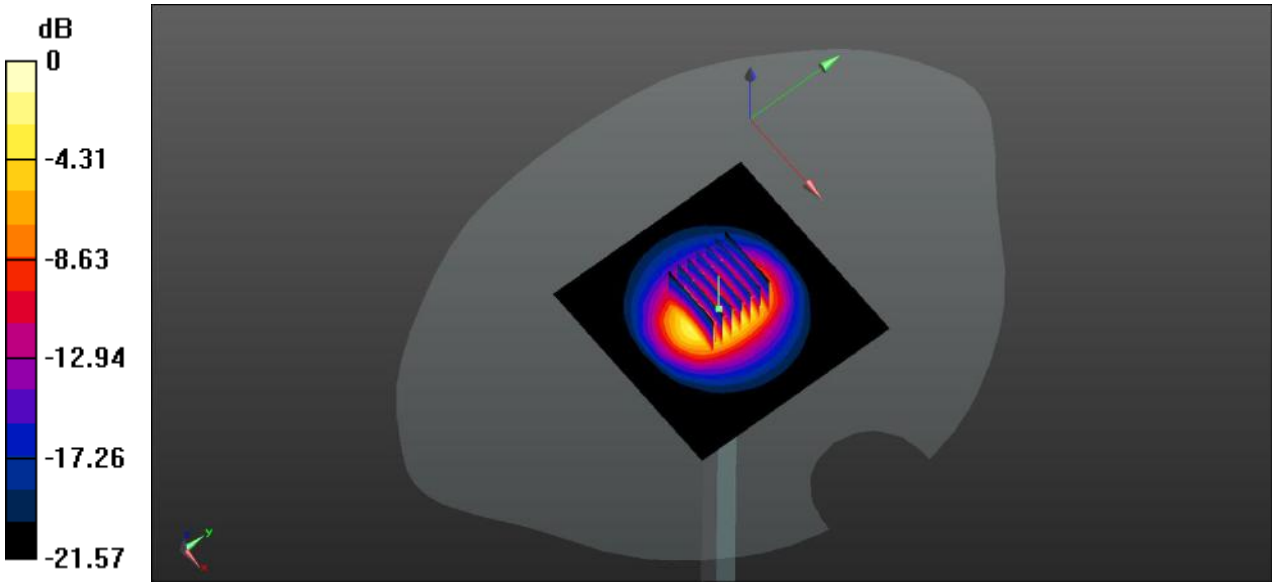
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.54 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.31 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 5.97 W/kg



0 dB = 5.97 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.25

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.982 S/m; εr = 38.1; ρ = 1000 kg/m3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 /Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.56 W/kg

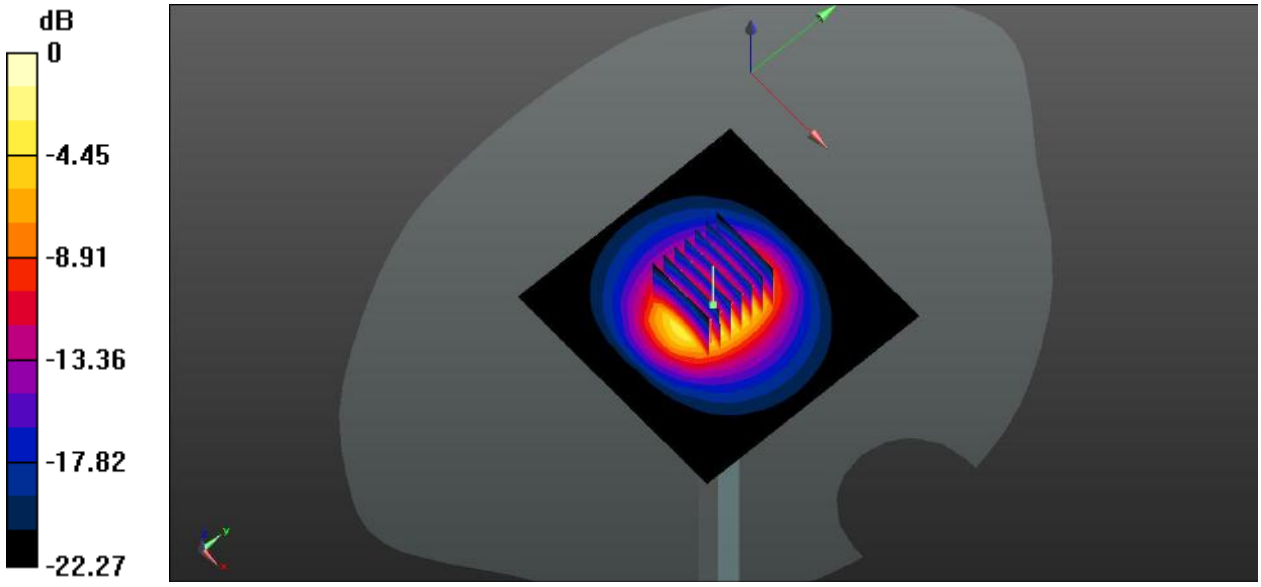
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.59 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 5.73 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 6.52 W/kg



0 dB = 6.52 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.26

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

Medium parameters used: f = 2600 MHz; σ = 1.975 S/m; ε_r = 38.415; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.45 W/kg

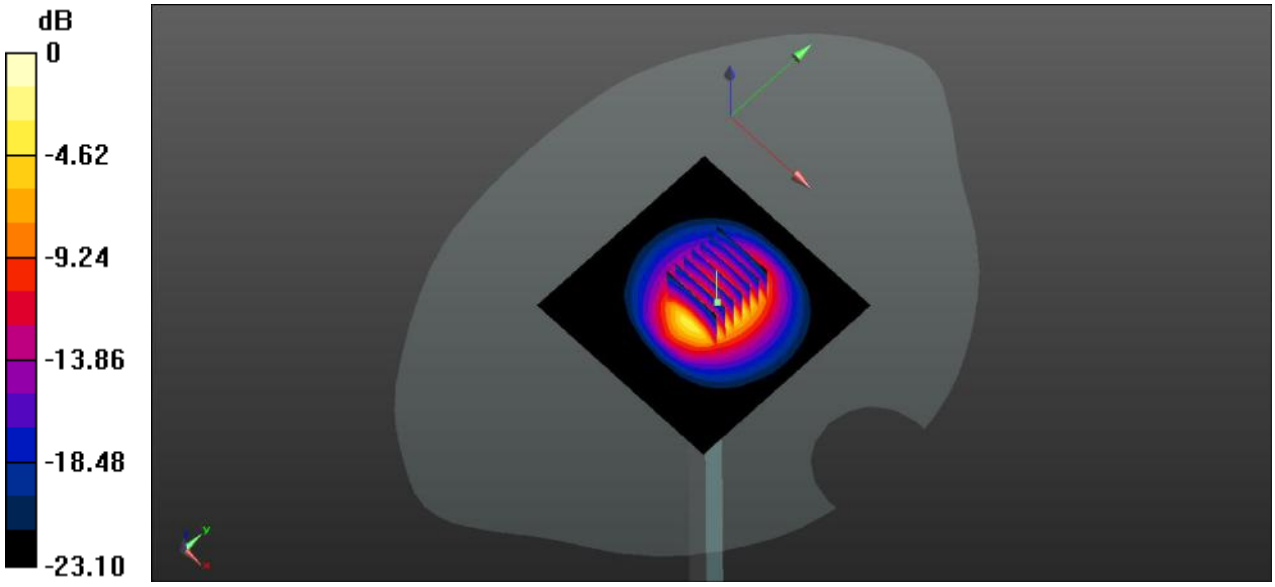
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.43 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 6.33 W/kg



0 dB = 6.33 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.27

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

Medium parameters used: f = 2600 MHz; σ = 1.949 S/m; ε_r = 38.531; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.31 W/kg

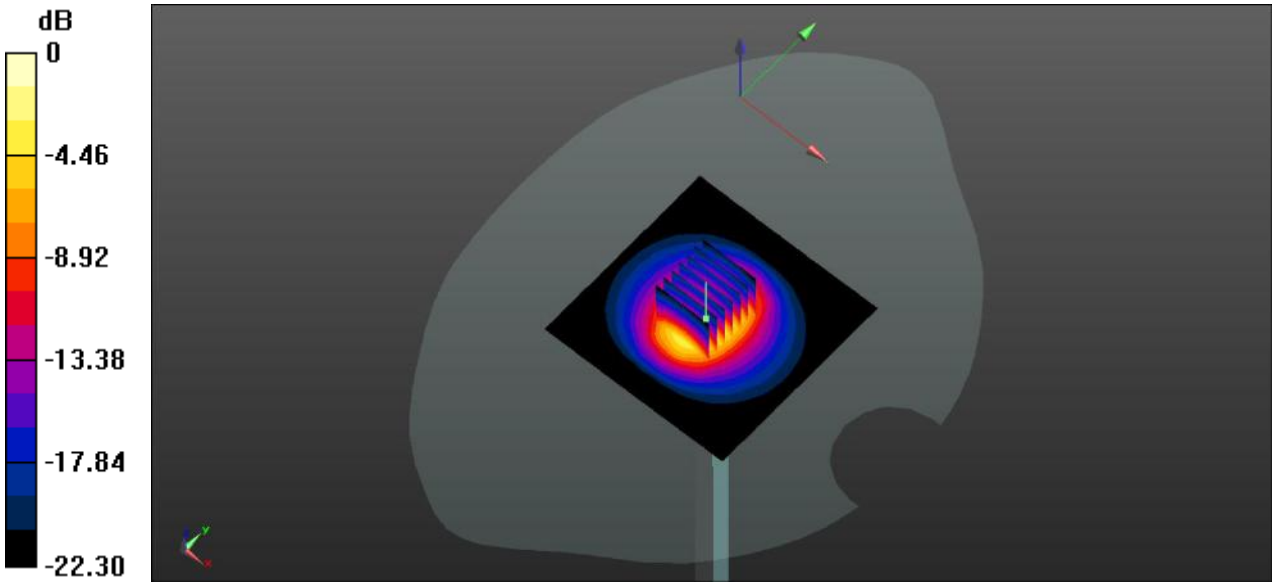
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.24 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 5.53 W/kg; SAR(10 g) = 2.43 W/kg

Maximum value of SAR (measured) = 6.29 W/kg



0 dB = 6.29 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.28

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.967 S/m; ε_r = 38.378; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.56 W/kg

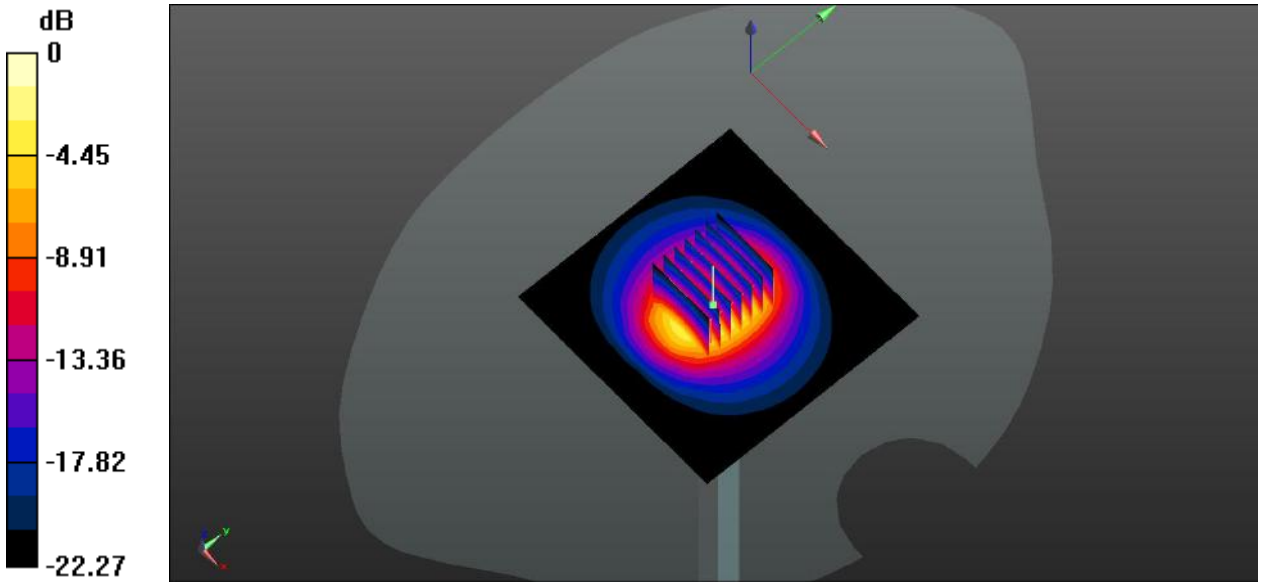
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.58 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.7 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 6.50 W/kg



0 dB = 6.50 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.29

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

Medium parameters used: f = 2600 MHz; σ = 1.99 S/m; ε_r = 38.723; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.44 W/kg

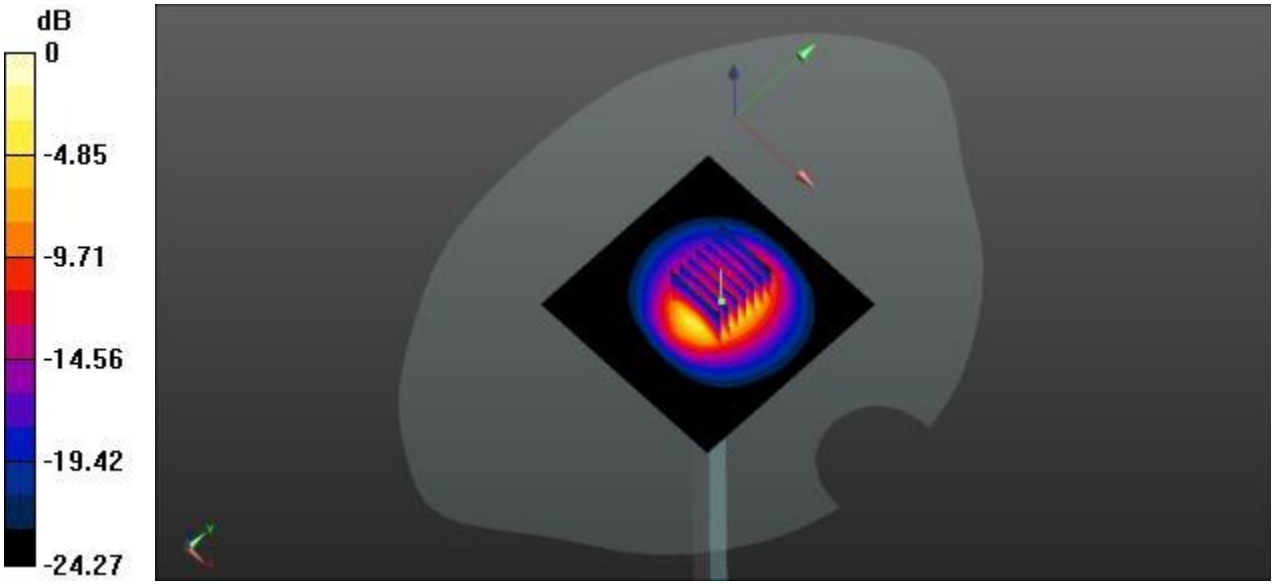
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.75 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 6.35 W/kg



0 dB = 6.35 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.30

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

Medium parameters used: f = 2600 MHz; σ = 1.952 S/m; ε_r = 38.954; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:20.9

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.29 W/kg

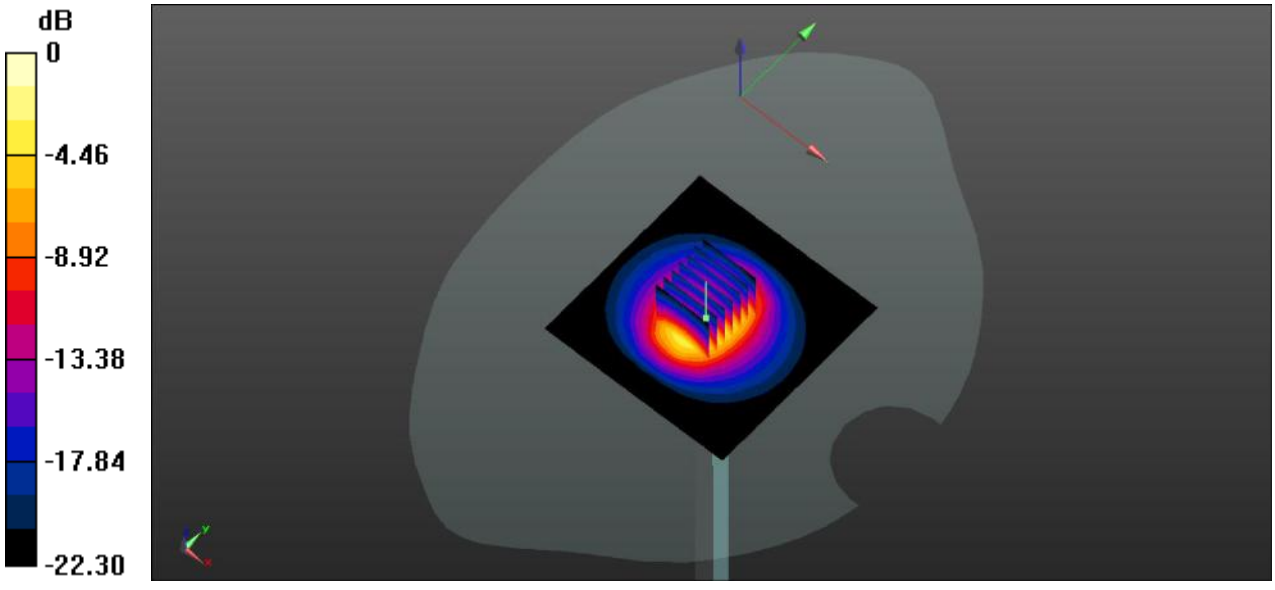
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.23 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 6.28 W/kg



0 dB = 6.28 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.02.07

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

Medium parameters used: f = 2600 MHz; σ = 2.022 S/m; ε_r = 38.023; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.58 W/kg

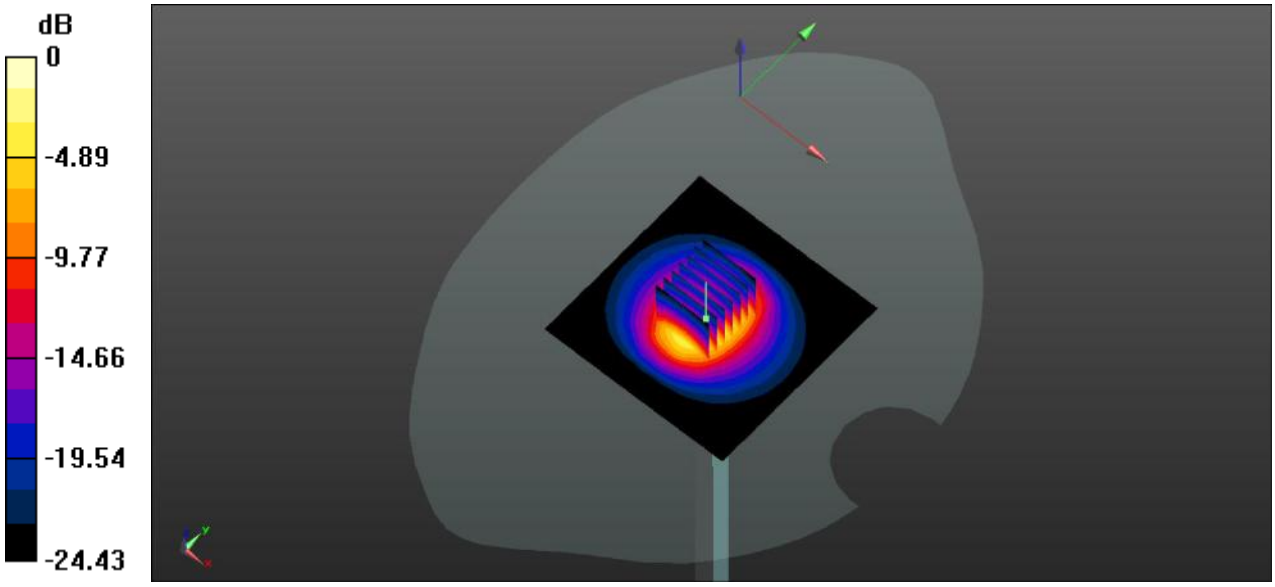
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.08 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.56 W/kg

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



0 dB = 6.41 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.02.08

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

Medium parameters used: f = 2600 MHz; σ = 2.01 S/m; ε_r = 37.812; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.25 W/kg

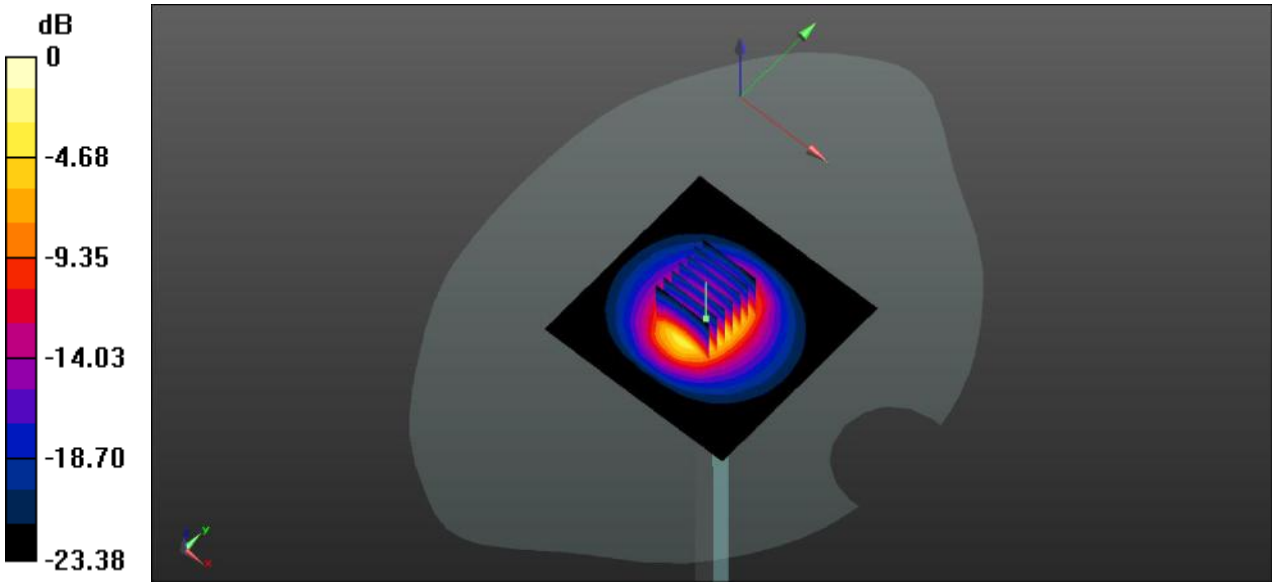
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.46 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 5.52 W/kg; SAR(10 g) = 2.37 W/kg

Maximum value of SAR (measured) = 6.28 W/kg



0 dB = 6.28 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.02.12

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

Medium parameters used: f = 2600 MHz; σ = 1.912 S/m; ε_r = 39.049; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.38 W/kg

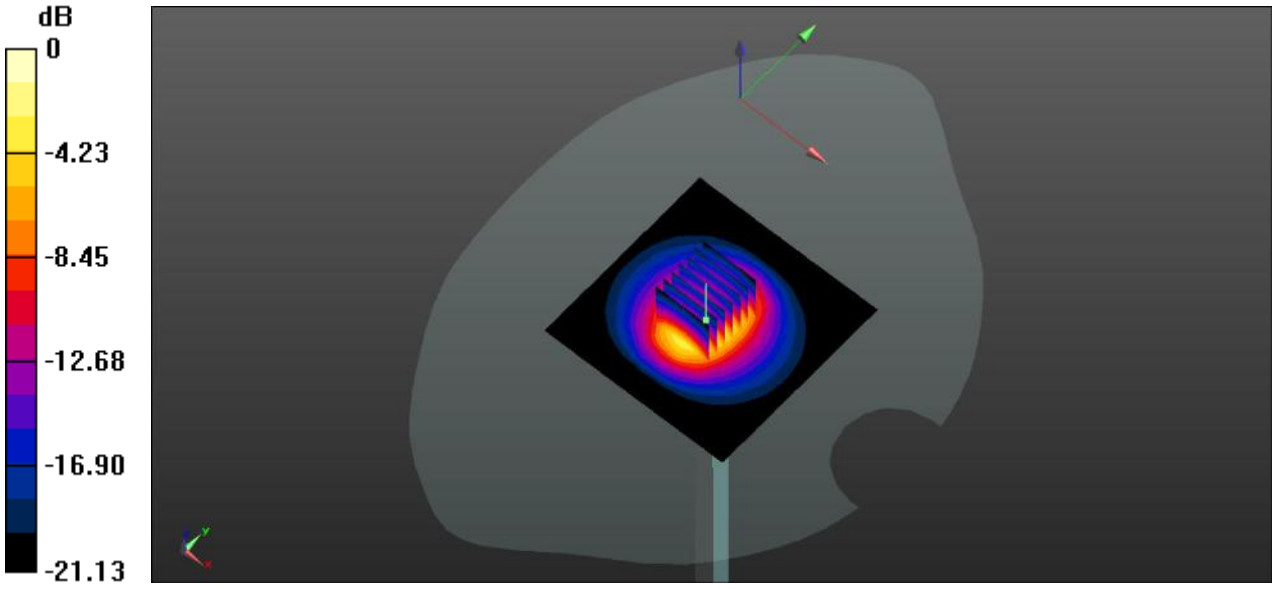
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.78 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 6.24 W/kg



0 dB = 6.24 W/kg

System Performance Check Data (5250MHz Head)

Date: 2022.02.01

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

Medium parameters used: f = 5250 MHz; σ = 4.627 S/m; ε_r = 36.655; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.13 W/kg

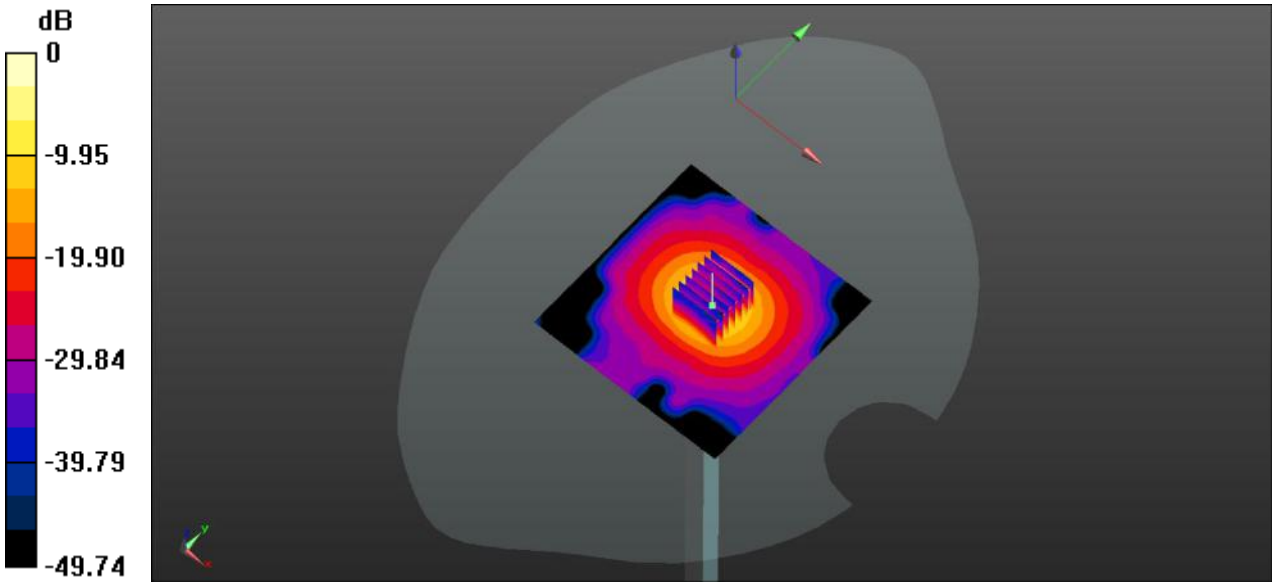
CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 36.56 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 31.84 W/kg

SAR(1 g) = 7.46 W/kg; SAR(10 g) = 2.09 W/kg

Maximum value of SAR (measured) = 18.8 W/kg



0 dB = 18.8 W/kg

System Performance Check Data (5250MHz Head)

Date: 2022.02.02

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

Medium parameters used: f = 5250 MHz; σ = 4.691 S/m; ε_r = 36.356; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.86 W/kg

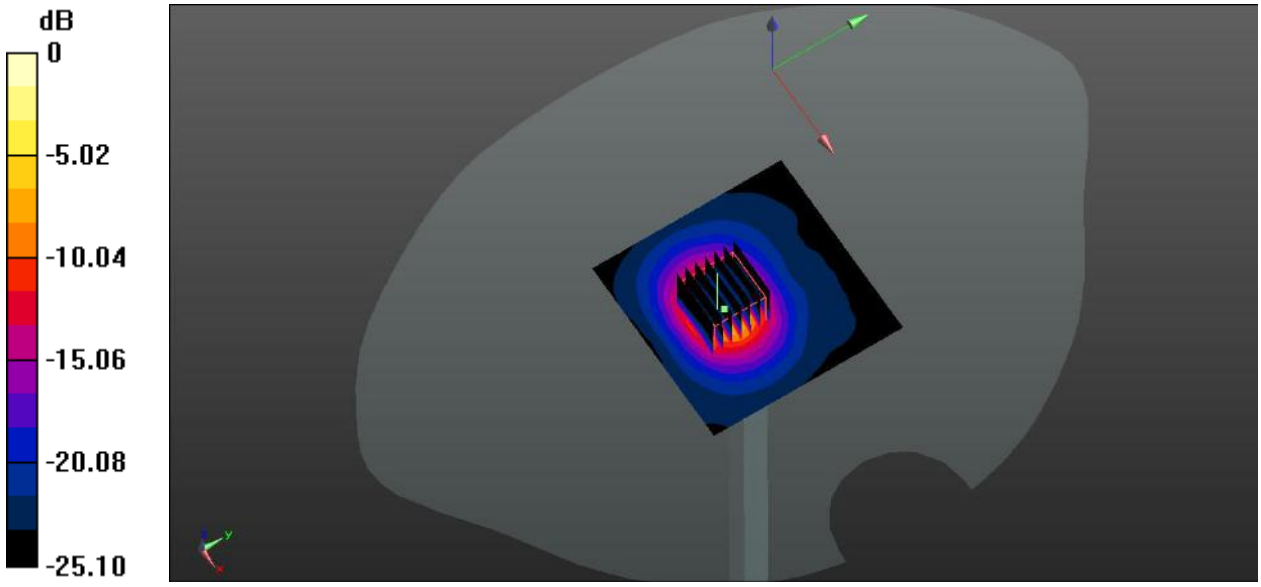
CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 24.96 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 33.1 W/kg

SAR(1 g) = 7.38 W/kg; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (measured) = 14.9 W/kg



0 dB = 14.9 W/kg

System Performance Check Data (5250MHz Head)

Date: 2022.02.09

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

Medium parameters used: f = 5250 MHz; σ = 4.855 S/m; ε_r = 34.716; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5250/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.95 W/kg

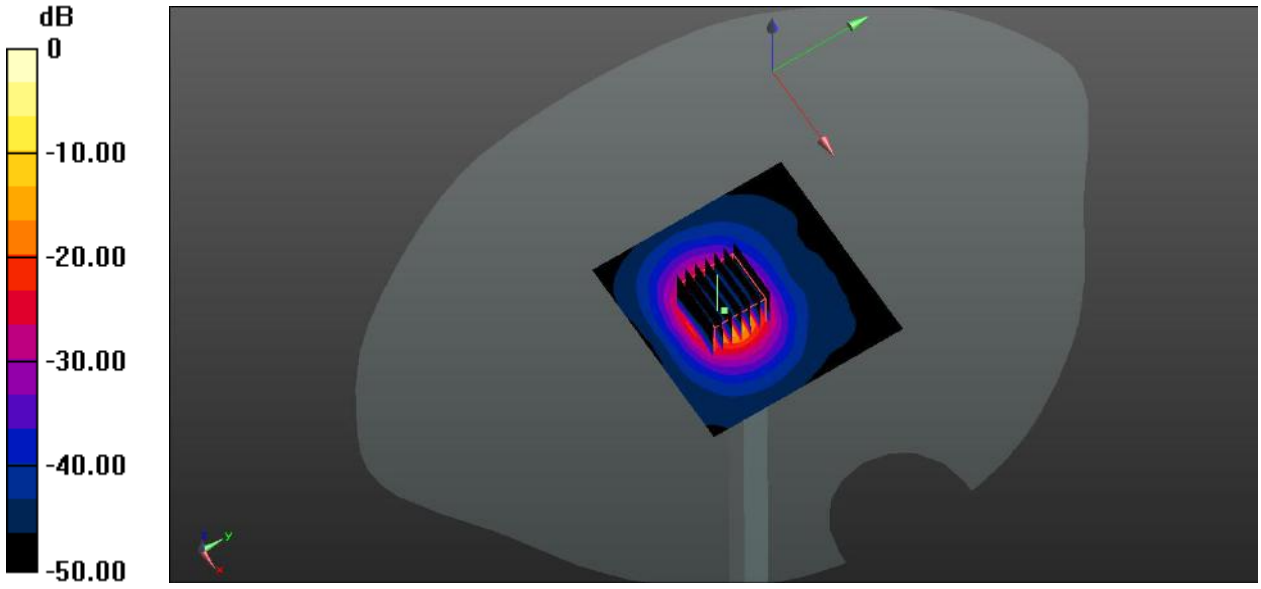
CW 5250/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 26.03 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 35.2 W/kg

SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 15.1 W/kg



0 dB = 15.1 W/kg

System Performance Check Data (5600MHz Head)

Date: 2022.02.03

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

Medium parameters used: f = 5600 MHz; σ = 4.972 S/m; ε_r = 36.426; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.8

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.38 W/kg

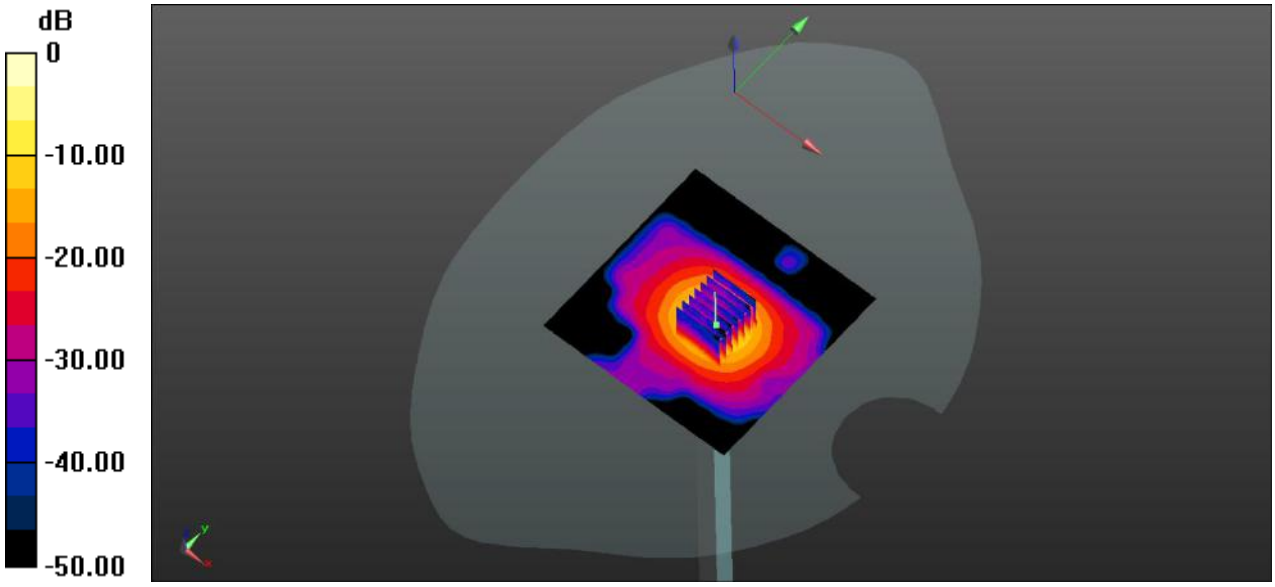
CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.65 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 38.55 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.17 W/kg

Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.5 W/kg

System Performance Check Data (5600MHz Head)

Date: 2022.02.04

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

Medium parameters used: f = 5600 MHz; σ = 4.96 S/m; ε_r = 36.208; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.36 W/kg

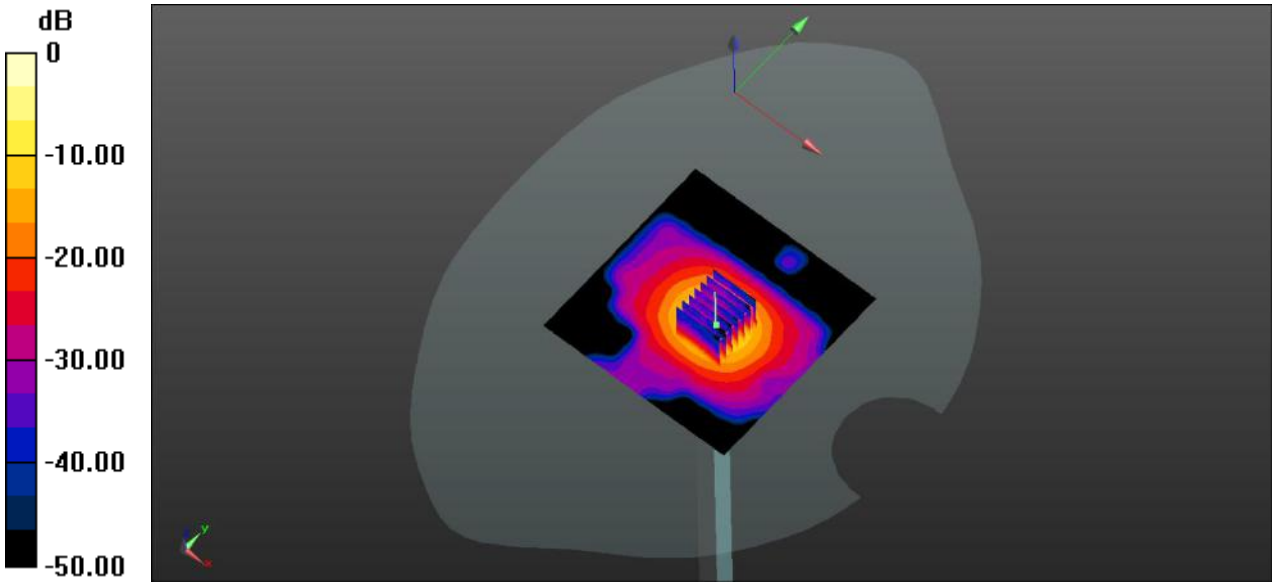
CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 34.67 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 38.53 W/kg

SAR(1 g) = 8.2 W/kg; SAR(10 g) = 2.19 W/kg

Maximum value of SAR (measured) = 21.4 W/kg



0 dB = 21.4 W/kg

System Performance Check Data (5600MHz Head)

Date: 2022.02.10

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

Medium parameters used: f = 5600 MHz; σ = 5.222 S/m; ε_r = 34.596; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5600/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.42 W/kg

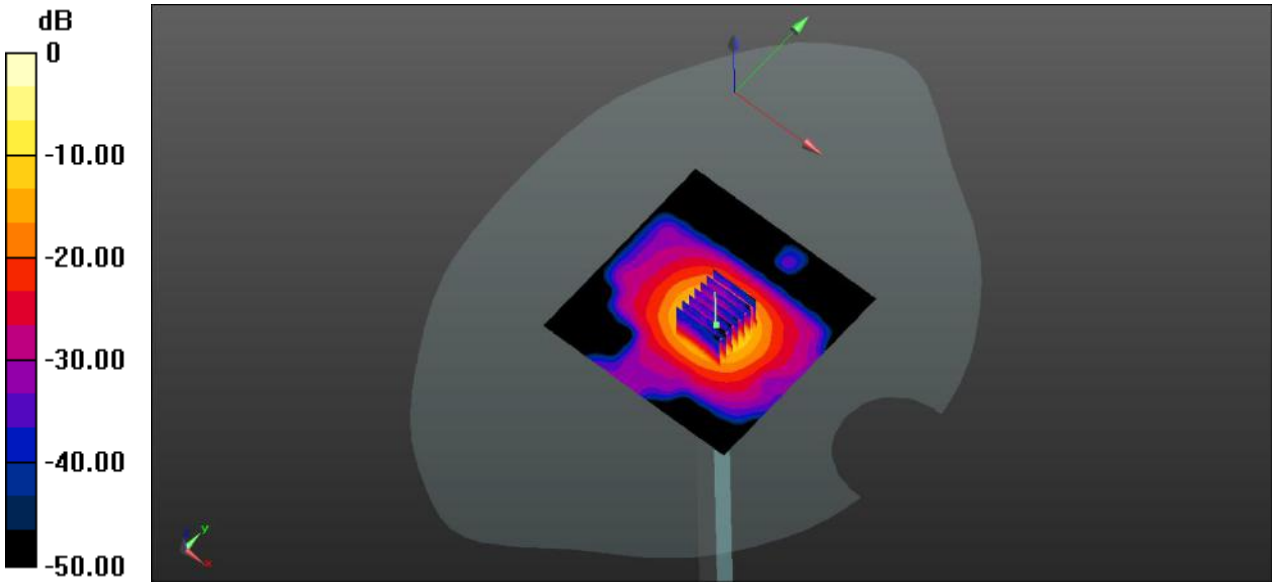
CW 5600/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 35.23 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 39.1 W/kg

SAR(1 g) = 8.28 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 21.7 W/kg



0 dB = 21.7 W/kg

System Performance Check Data (5750MHz Head)

Date: 2022.02.05

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

Medium parameters used: f = 5750 MHz; σ = 5.318 S/m; ε_r = 35.433; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.93 W/kg

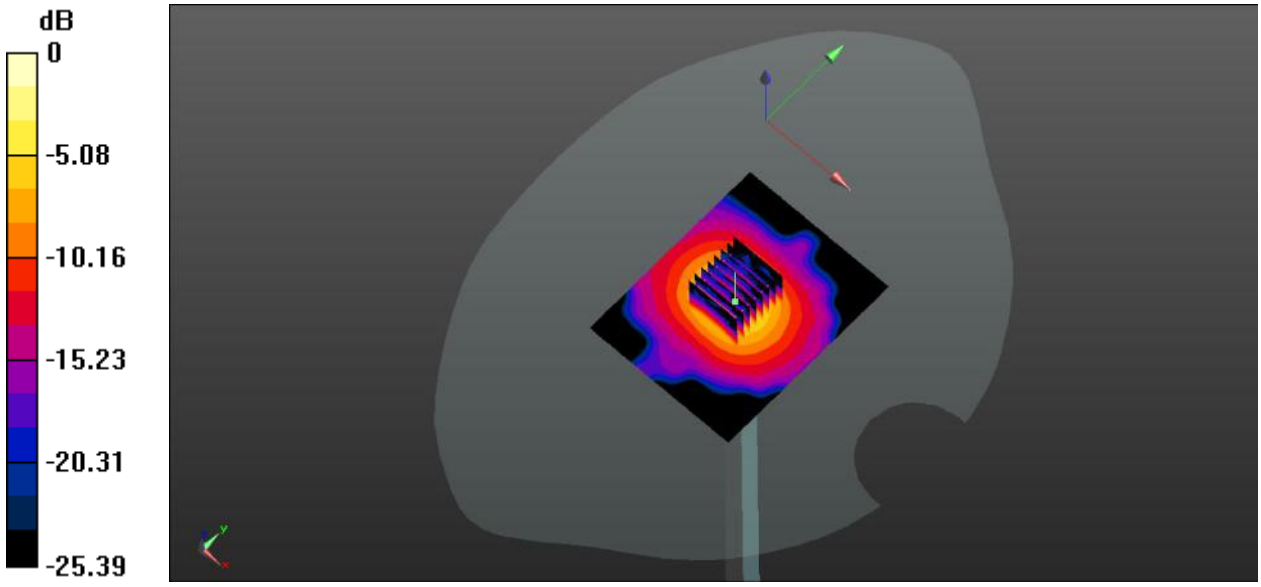
CW 5750/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.21 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 36.6 W/kg

SAR(1 g) = 8.28 W/kg; SAR(10 g) = 2.31 W/kg

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



0 dB = 16.2 W/kg

System Performance Check Data (5750MHz Head)

Date: 2022.02.06

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

Medium parameters used: f = 5750 MHz; σ = 5.327 S/m; ε_r = 35.209; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750 100mW/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.46 W/kg

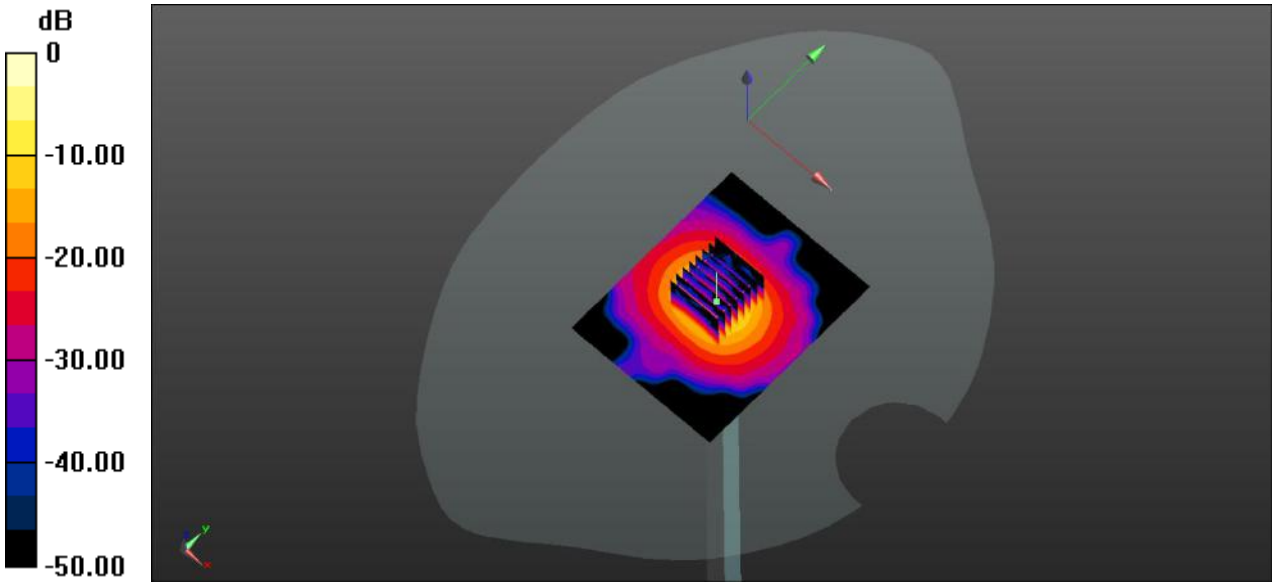
CW 5750 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 36.33 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 35.3 W/kg

SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 19.1 W/kg



0 dB = 19.1 W/kg

System Performance Check Data (5750MHz Head)

Date: 2022.02.11

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

Medium parameters used: f = 5750 MHz; σ = 5.268 S/m; ε_r = 36.315; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750 100mW/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.25 W/kg

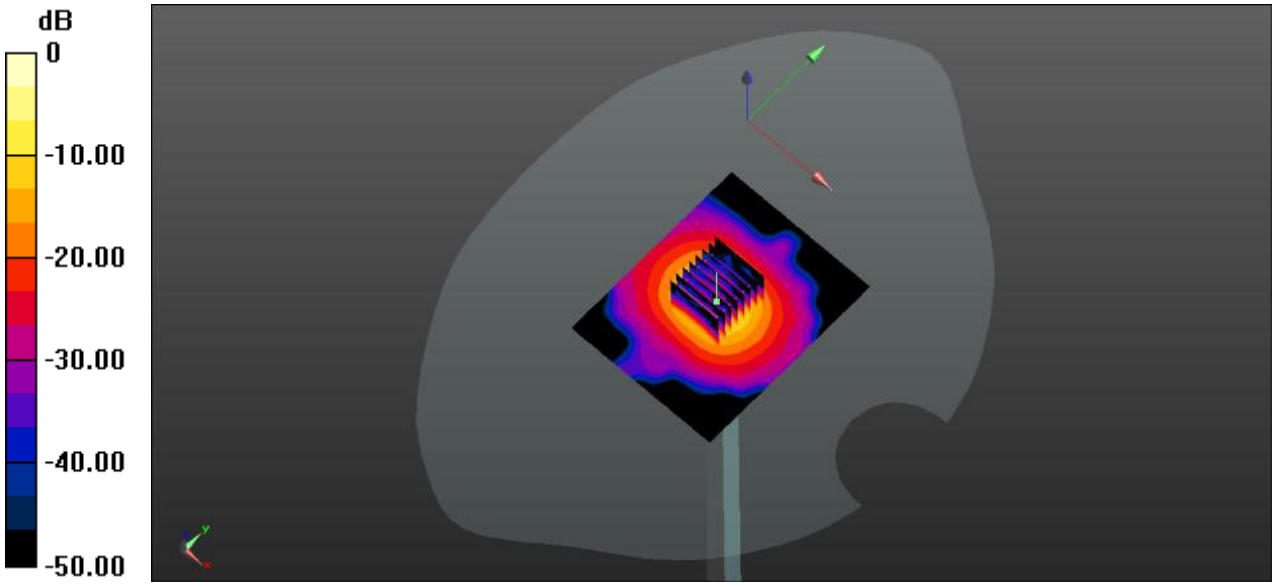
CW 5750 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 35.42 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 34.8 W/kg

SAR(1 g) = 7.61 W/kg; SAR(10 g) = 2.11 W/kg

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg

ANNEX C TEST DATA

1-Right Head with Cheek on Middle Channel in GPRS850 2Slots Mode with Antenna 1

Date: 2022.01.13

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.9 S/m; ε_r = 40.698; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.693 W/kg

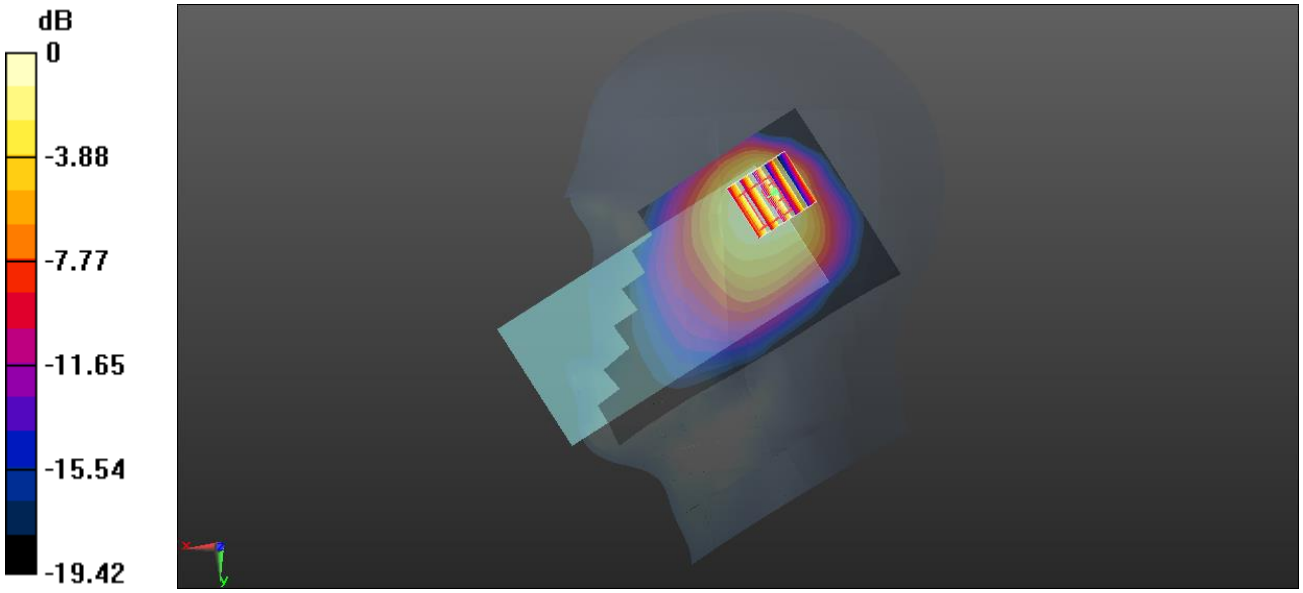
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.88 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.995 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.306 W/kg

Maximum value of SAR (measured) = 0.536 W/kg



0 dB = 0.536 W/kg

2-Body Plane with Back Side 15mm on Middle Channel in GPRS850 2Slots mode with Antenna 1

Date: 2022.01.13

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.9 S/m; ε_r = 40.698; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.138 W/kg

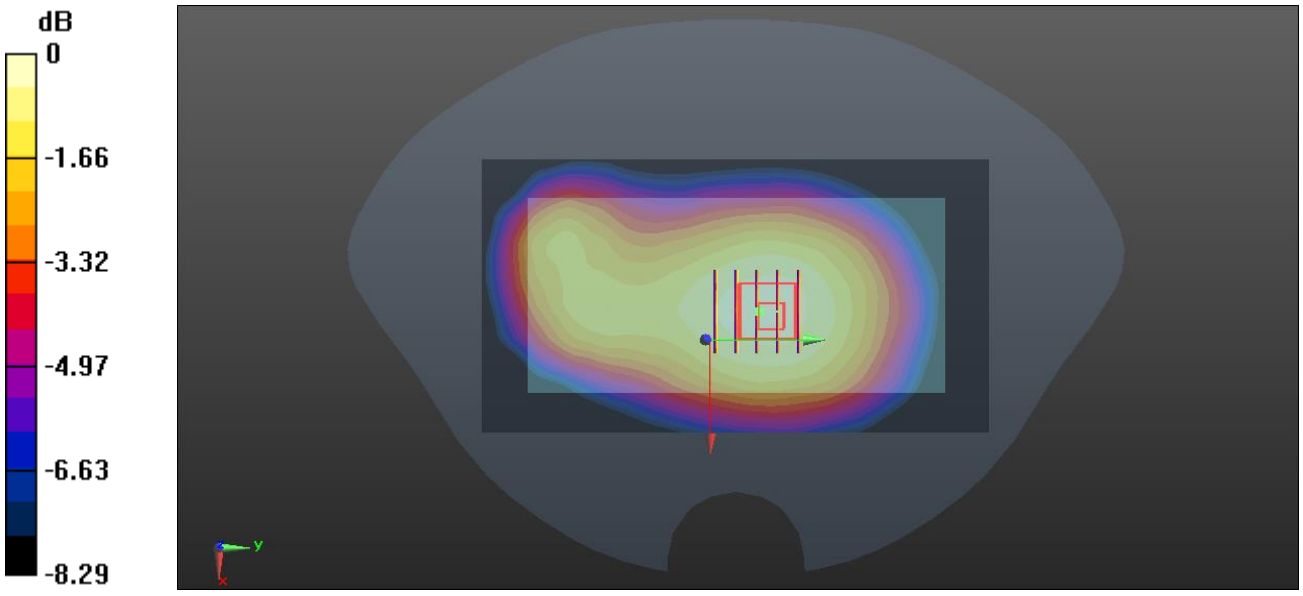
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.83 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.145 W/kg



0 dB = 0.145 W/kg

3-Body Plane with Back Side 10mm on Middle Channel in GPRS850 2Slots mode with Antenna 1

Date: 2022.01.13

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.9 S/m; ε_r = 40.698; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.241 W/kg

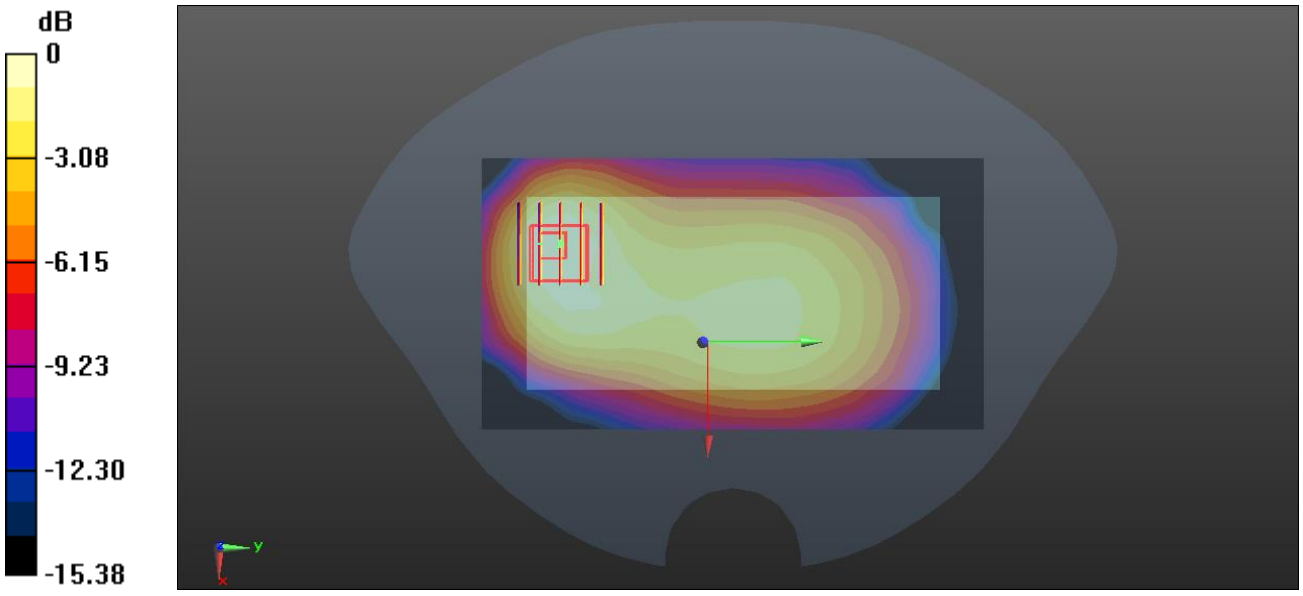
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.19 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.236 W/kg



0 dB = 0.236 W/kg

4-Right Head with Tilt on Middle Channel in GPRS1900 4Slots Mode with Antenna 1

Date: 2022.01.22

Communication System Band: GPRS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.391 S/m; ε_r = 40.446; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.9 Liquid Temperature:22.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.415 W/kg

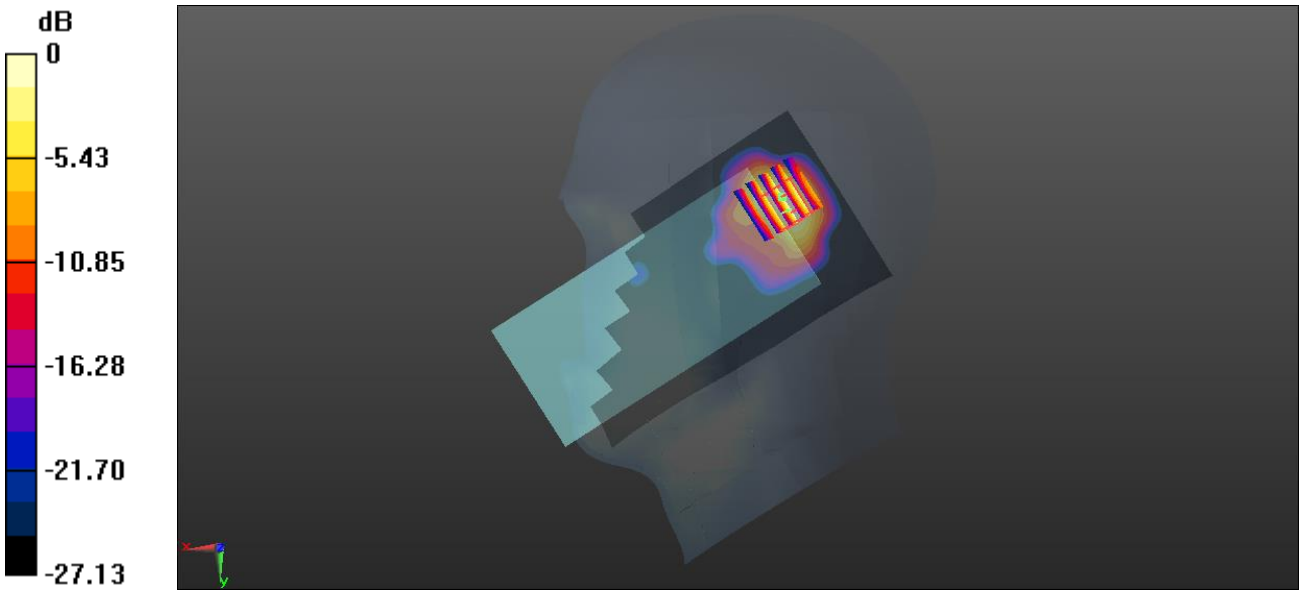
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.494 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.642 W/kg

SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.364 W/kg



0 dB = 0.364 W/kg

5-Body Plane with Back Side 15mm on Middle Channel in GPRS1900 4Slots mode with Antenna 0

Date: 2022.01.22

Communication System Band: GPRS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.391 S/m; ε_r = 40.446; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:22.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.188 W/kg

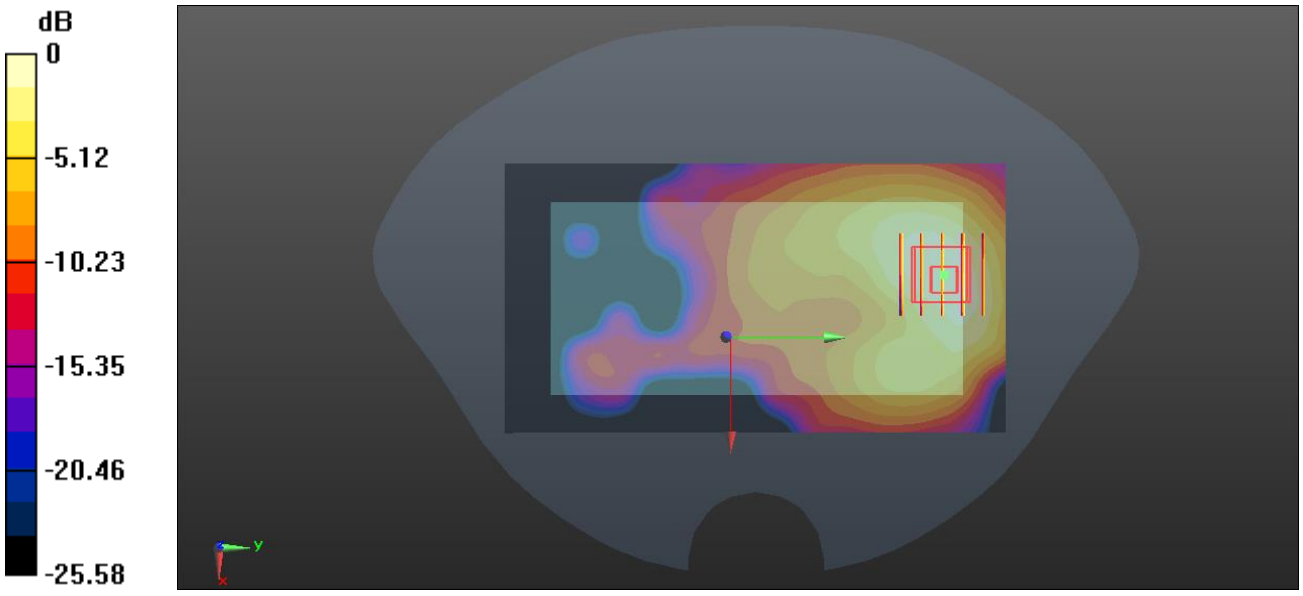
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.402 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg

6-Body Plane with Bottom Edge 10mm on Middle Channel in GPRS1900 mode with Antenna 0

Date: 2022.01.22

Communication System Band: GPRS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.391 S/m; ε_r = 40.446; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:22.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.452 W/kg

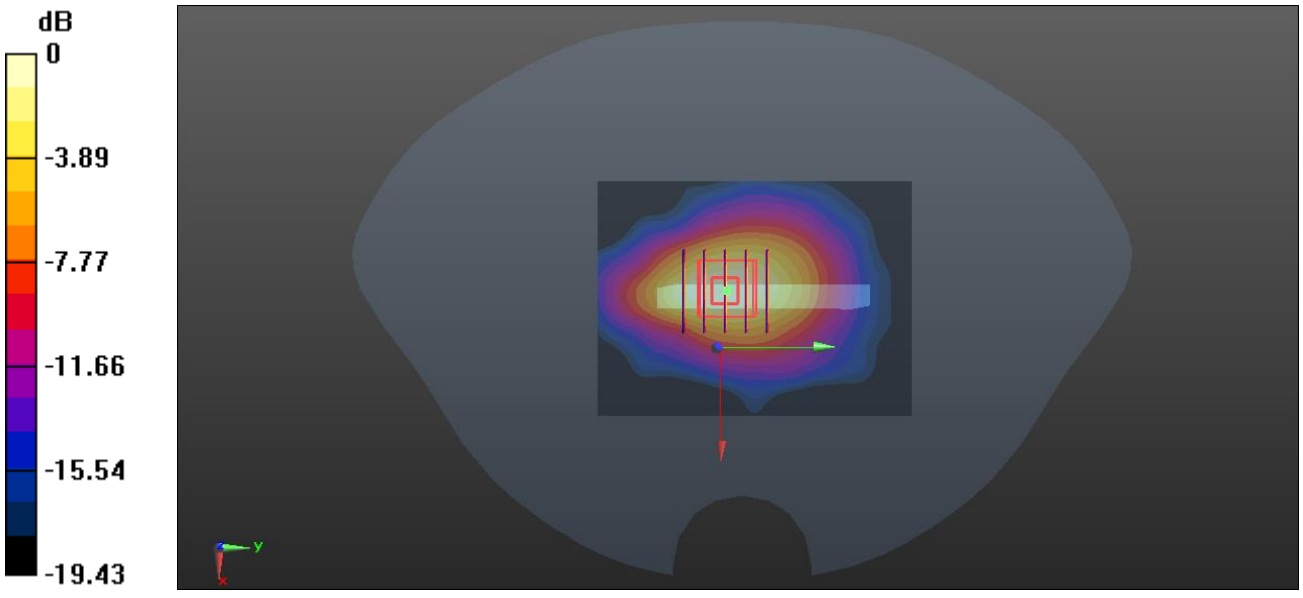
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.94 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.641 W/kg

SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 0.425 W/kg



0 dB = 0.425 W/kg

7-Right Head with Tilt on Low Channel in WCDMA Band2 mode with Antenna 1

Date: 2022.01.22

Communication System Band: Band 2; Frequency: 1852.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.358 S/m; ε_r = 41.082; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.9 Liquid Temperature:22.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9262/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.945 W/kg

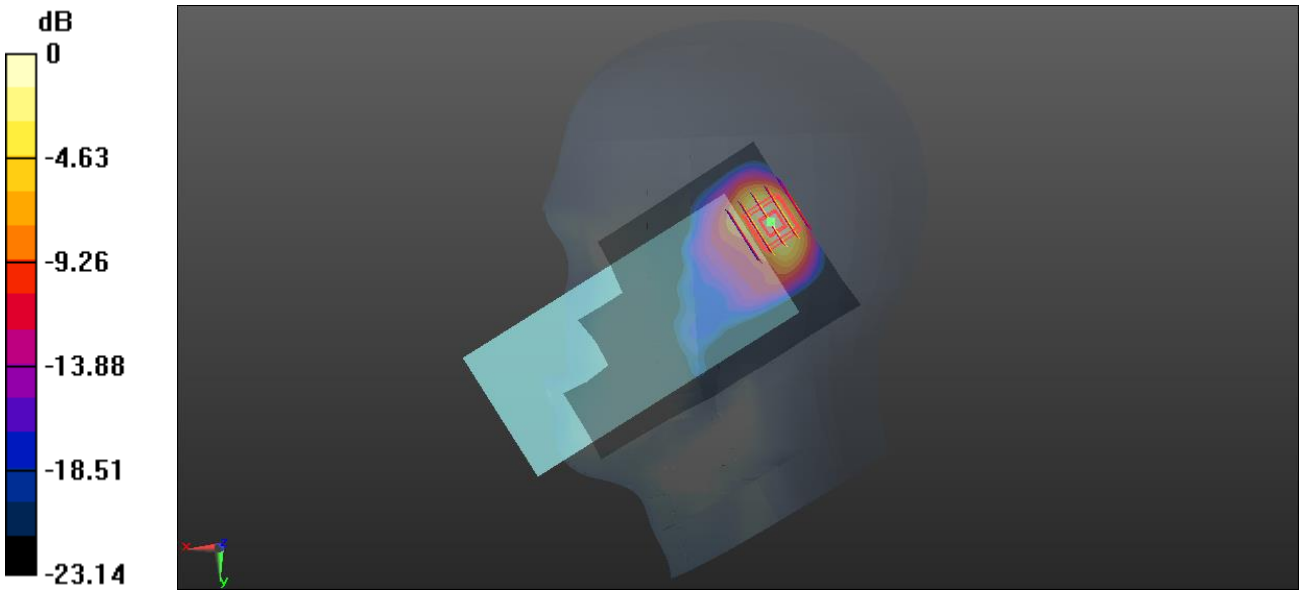
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.947 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.360 W/kg

Maximum value of SAR (measured) = 0.946 W/kg



0 dB = 0.946 W/kg

8-Body Plane with Back Side 15mm on Middle Channel in WCDMA Band 2 mode with Antenna 0

Date: 2022.01.22

Communication System Band: Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.391 S/m; ε_r = 40.446; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:22.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.174 W/kg

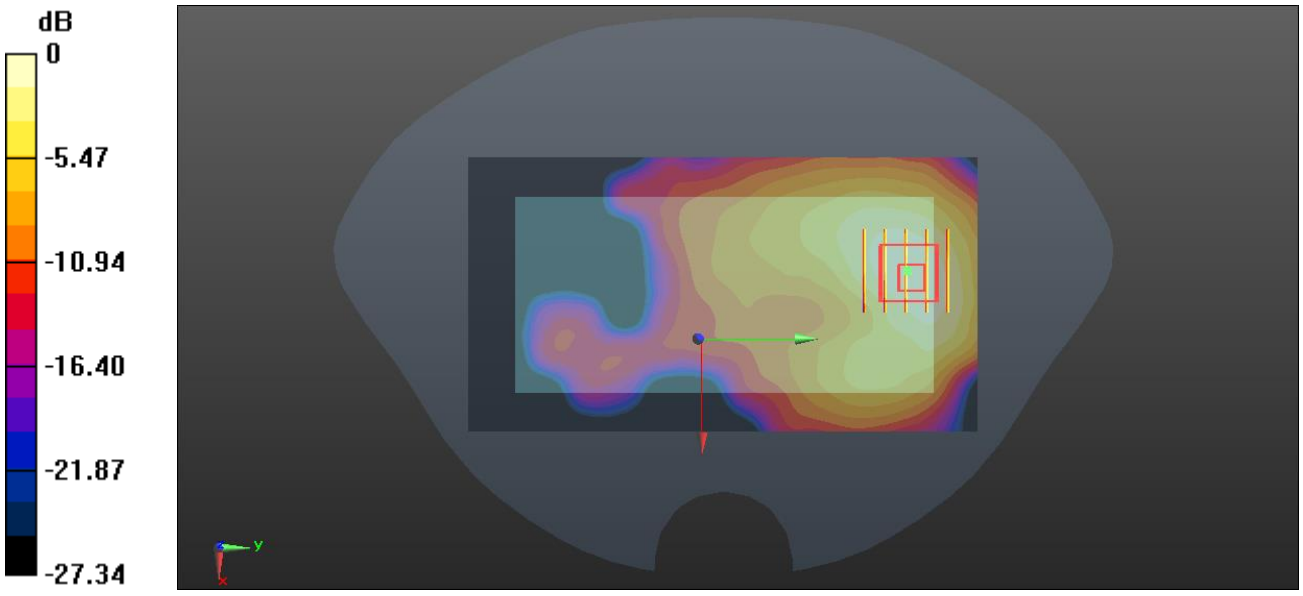
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.995 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.178 W/kg



0 dB = 0.178 W/kg

9-Body Plane with Top Edge 10mm on Middle Channel in WCDMA Band2 mode with Antenna 1

Date: 2022.01.22

Communication System Band: Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.391 S/m; ε_r = 40.446; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:22.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.448 W/kg

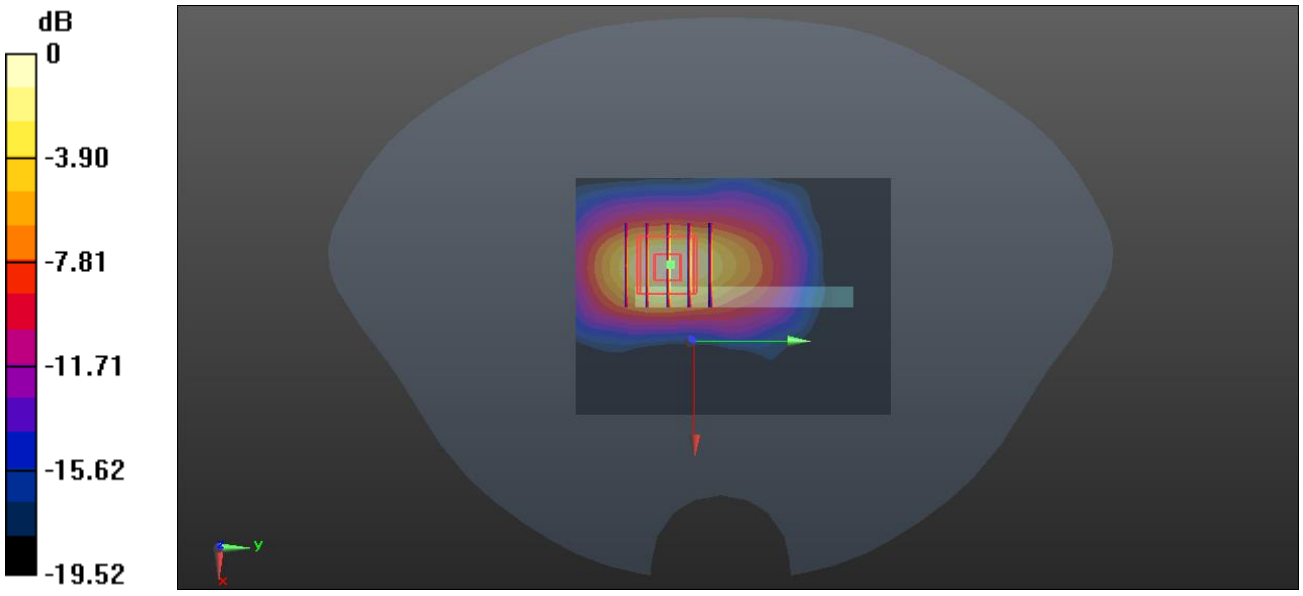
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.528 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.717 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.445 W/kg

10-Right Head with Tilt on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2022.01.18

Communication System Band: Band 4; Frequency: 1732.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.324 S/m; ε_r = 41.312; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.728 W/kg

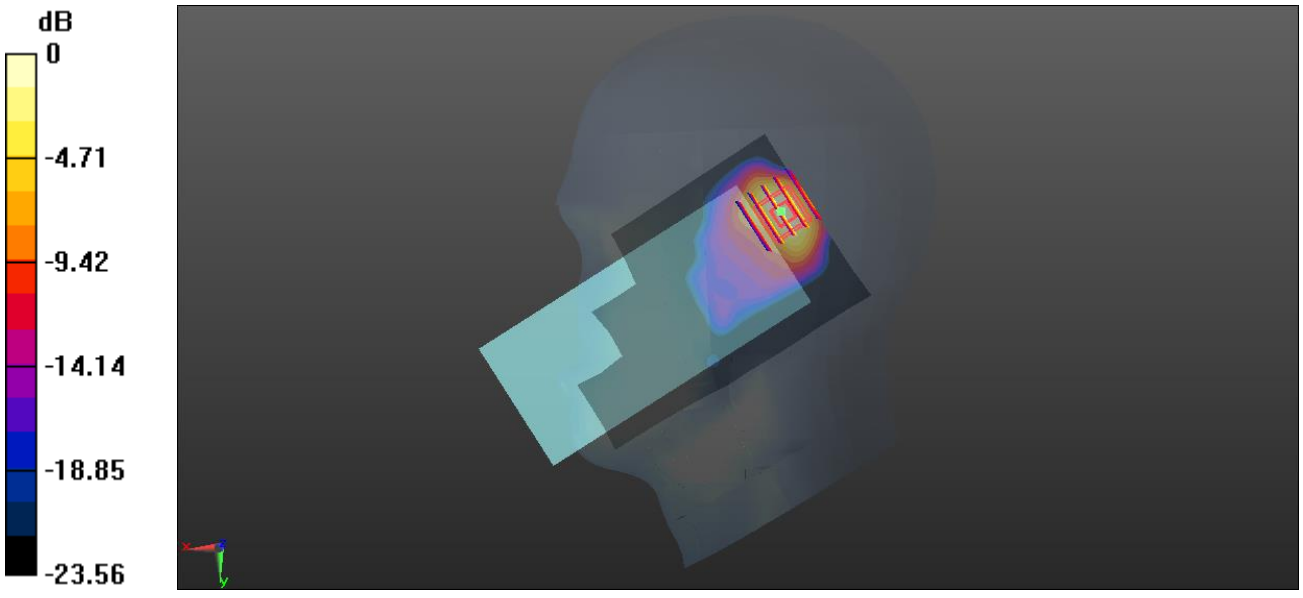
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.322 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.709 W/kg



0 dB = 0.709 W/kg

11-Body Plane with Back Side 15mm on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2022.01.18

Communication System Band: Band 4; Frequency: 1732.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.324 S/m; ε_r = 41.312; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.180 W/kg

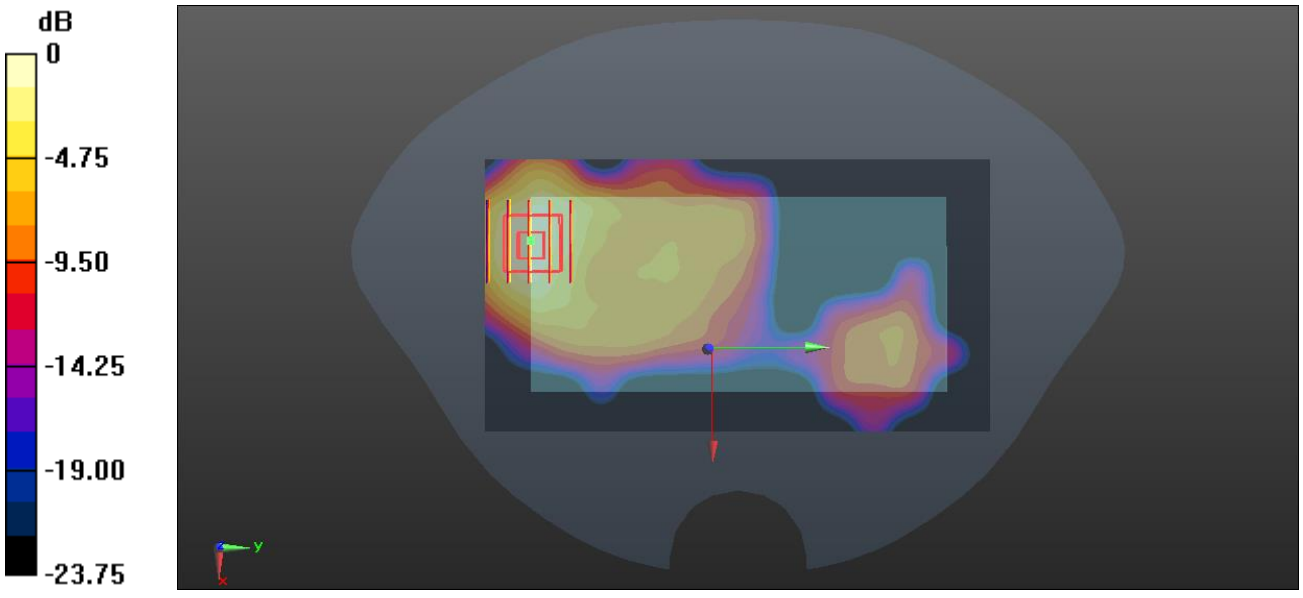
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.467 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



0 dB = 0.180 W/kg

12-Body Plane with Top Edge 10mm on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2022.01.18

Communication System Band: Band 4; Frequency: 1732.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.324 S/m; ε_r = 41.312; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1412/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.332 W/kg

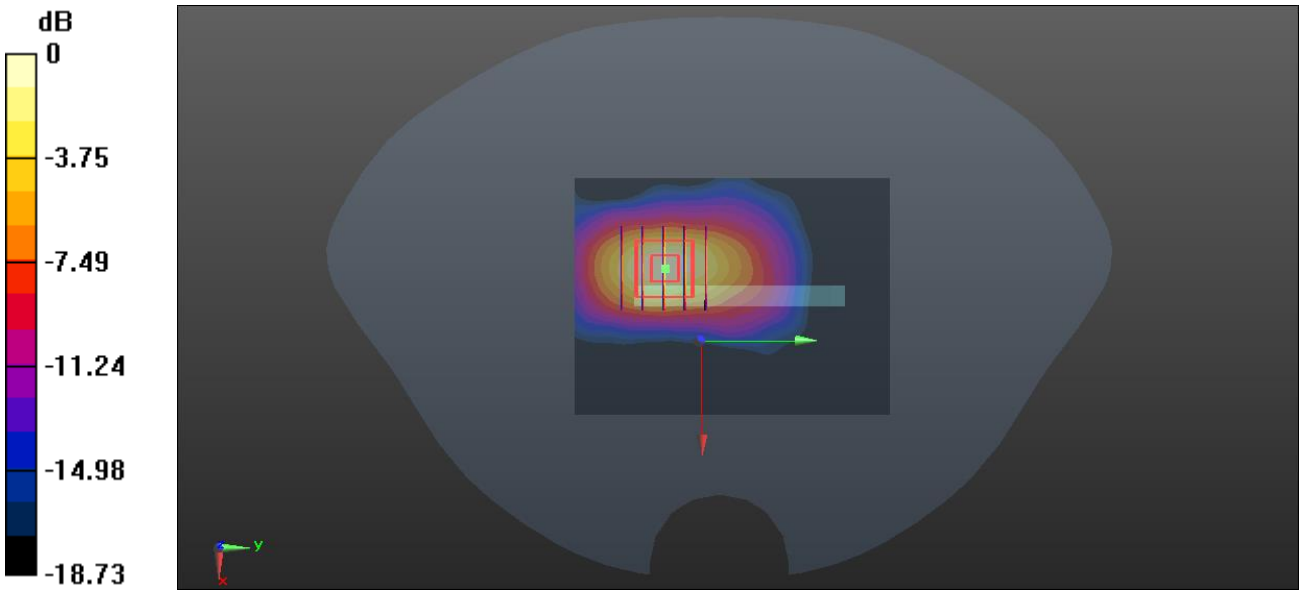
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.558 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.329 W/kg



0 dB = 0.329 W/kg

13-Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 1

Date: 2022.01.13

Communication System Band: Band 5; Frequency: 846.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.918 S/m; ε_r = 40.389; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.821 W/kg

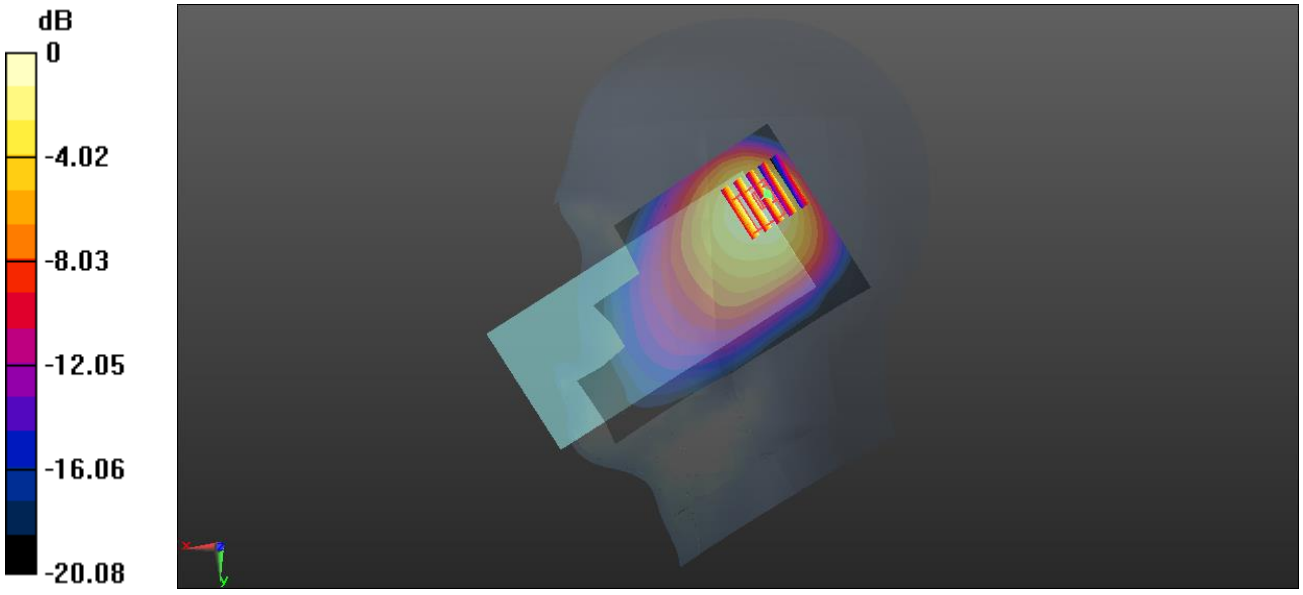
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.72 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.437 W/kg

Maximum value of SAR (measured) = 0.802 W/kg



0 dB = 0.802 W/kg

14-Body Plane with Back Side 15mm on Middle Channel in WCDMA Band 5 mode with Antenna 1

Date: 2022.01.13

Communication System Band: Band 5; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.898 S/m; ε_r = 40.741; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.155 W/kg

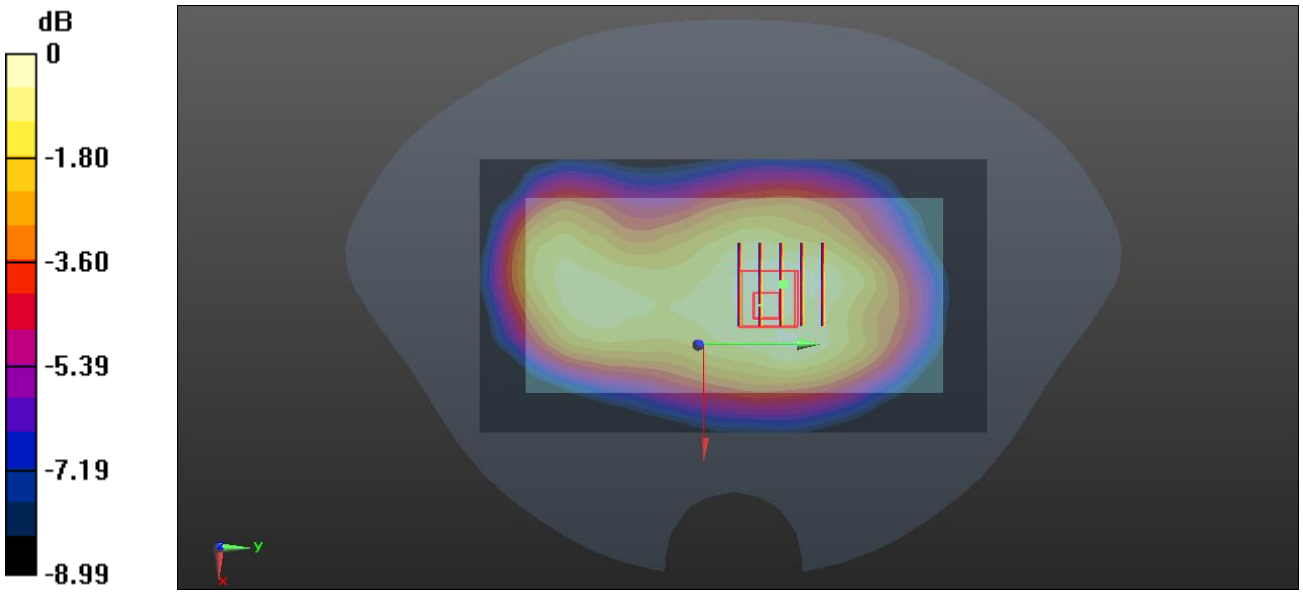
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.41 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.158 W/kg

15-Body Plane with Back Side 10mm on Middle Channel in WCDMA Band 5 mode with Antenna 1

Date: 2022.01.13

Communication System Band: Band 5; Frequency: 836.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.898 S/m; ε_r = 40.741; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.172 W/kg

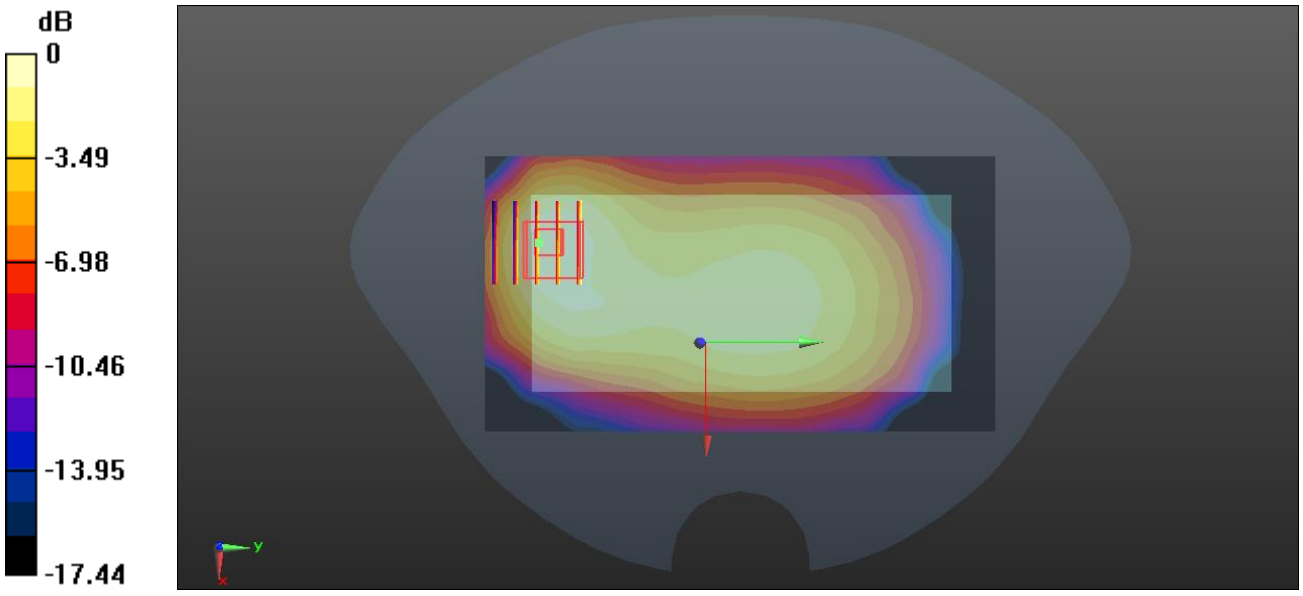
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.54 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.171 W/kg



0 dB = 0.171 W/kg

16-Right Head with Tilt on Middle Channel in LTE Band2 mode with Antenna 1

Date: 2022.01.24

Communication System Band: Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.419 S/m; ε_r = 40.235; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.749 W/kg

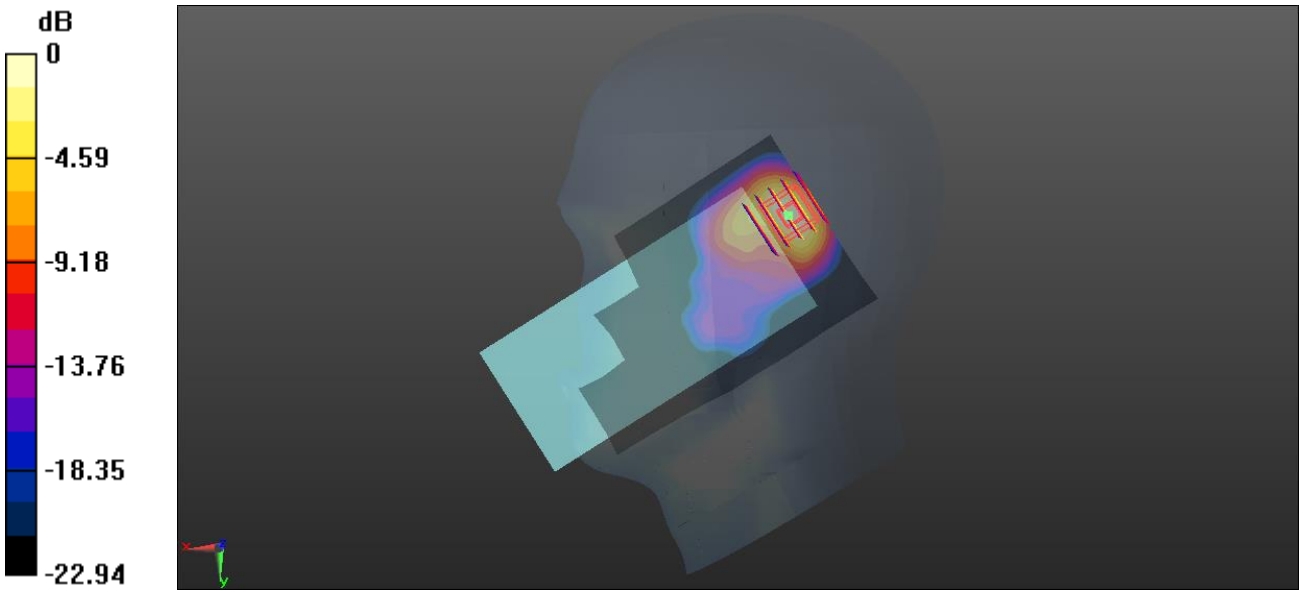
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.911 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 0.746 W/kg



0 dB = 0.746 W/kg

17-Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna 0

Date: 2022.01.24

Communication System Band: Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.419 S/m; ε_r = 40.235; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.265 W/kg

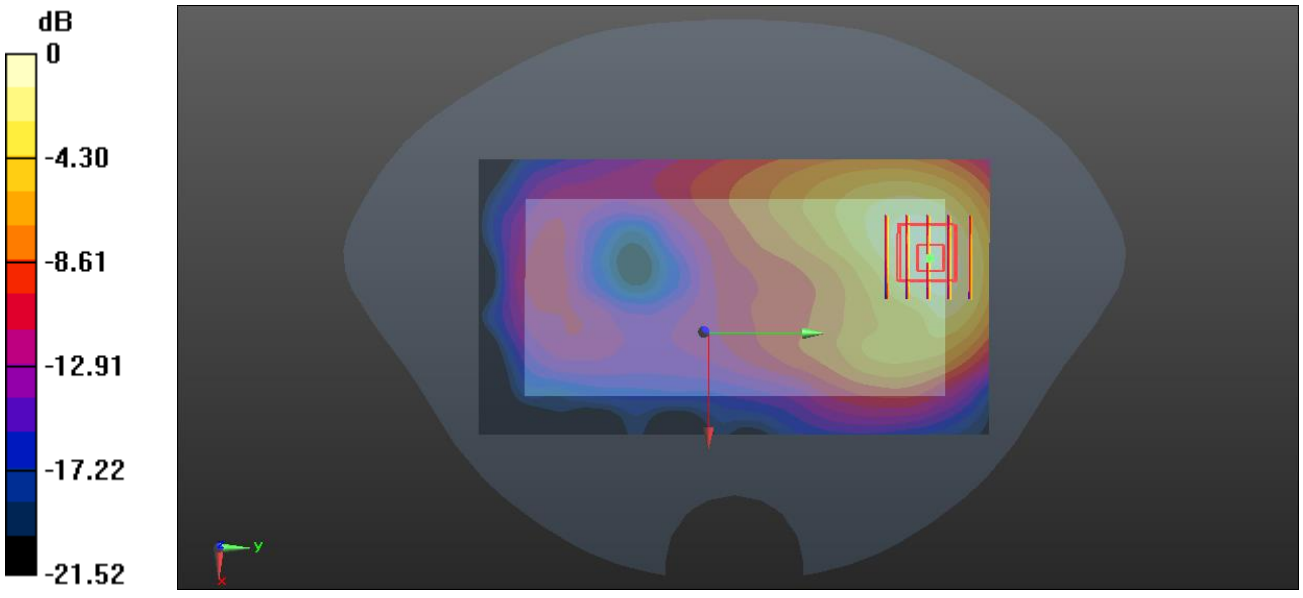
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.210 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.390 W/kg

SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg

18-Body Plane with Top Edge 10mm on Middle Channel in LTE Band2 mode with Antenna 1

Date: 2022.01.24

Communication System Band: Band 2; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.419 S/m; ε_r = 40.235; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.453 W/kg

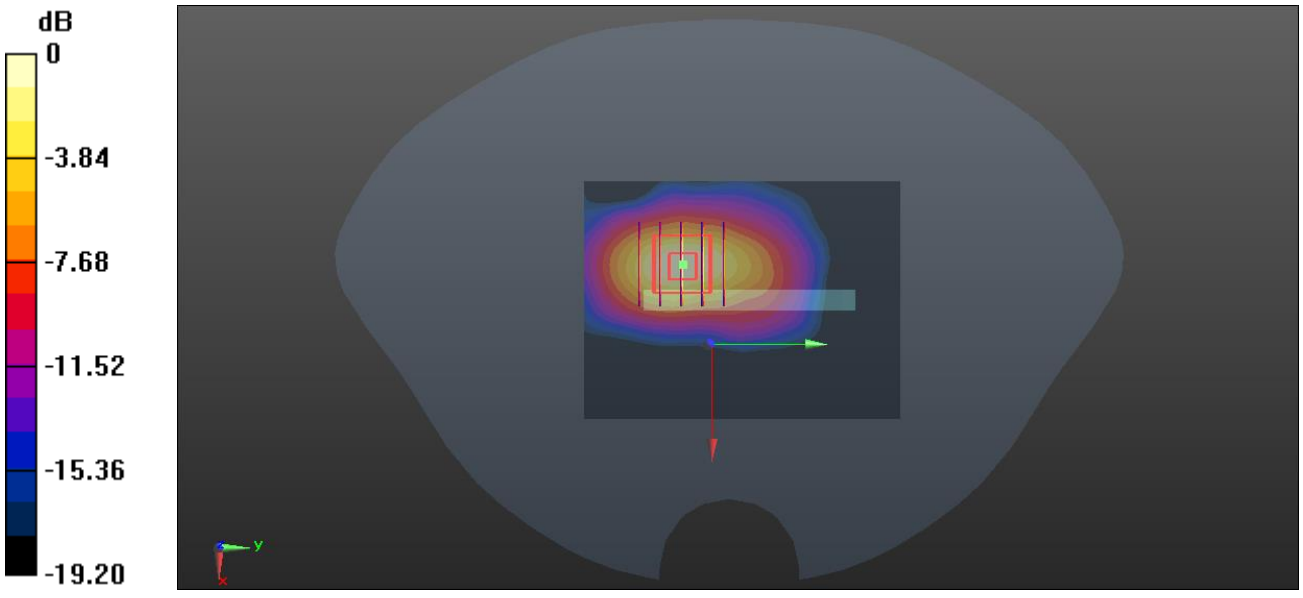
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.257 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.200 W/kg

Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.457 W/kg

19-Right Head with Tilt on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2022.01.19

Communication System Band: Band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.358 S/m; ε_r = 40.09; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.640 W/kg

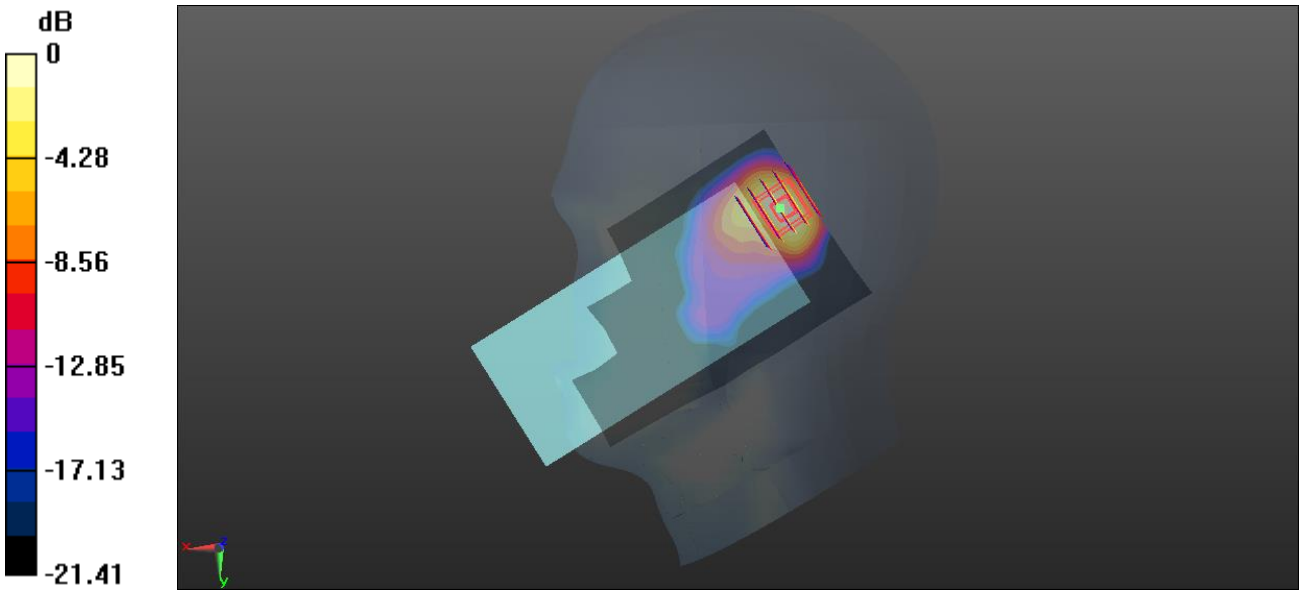
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.447 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 0.628 W/kg



0 dB = 0.628 W/kg

20-Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2022.01.19

Communication System Band: Band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.358 S/m; ε_r = 40.09; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.173 W/kg

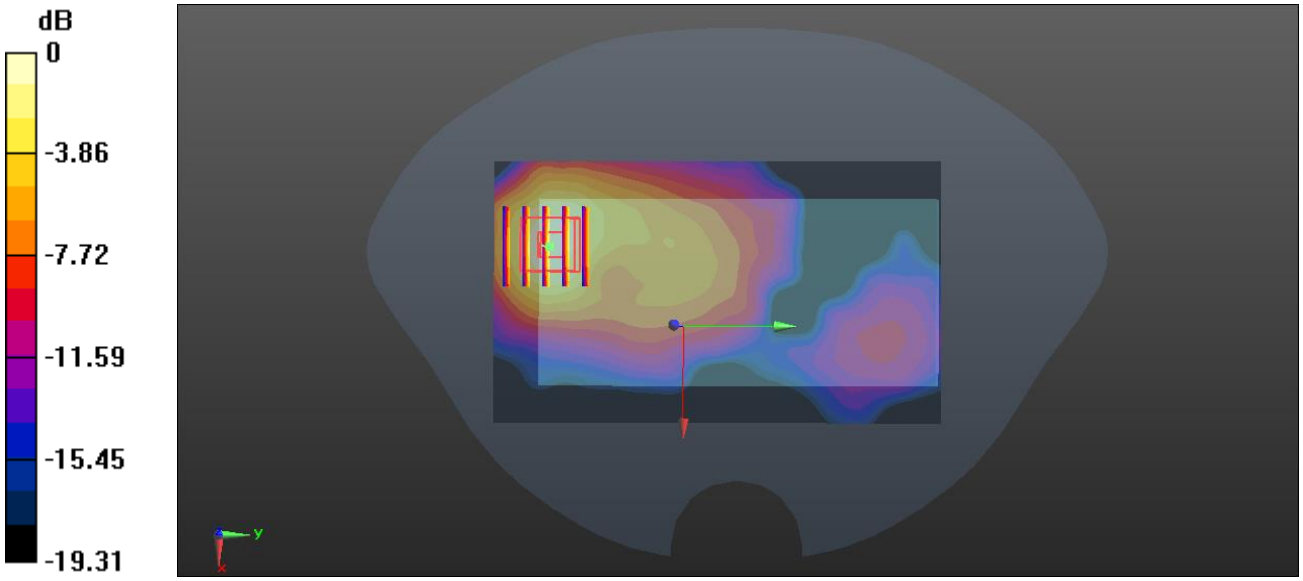
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.535 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.093 W/kg

Maximum value of SAR (measured) = 0.181 W/kg



0 dB = 0.181 W/kg

21-Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band4 mode with Antenna 0

Date: 2022.01.19

Communication System Band: Band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.358 S/m; ε_r = 40.09; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.358 W/kg

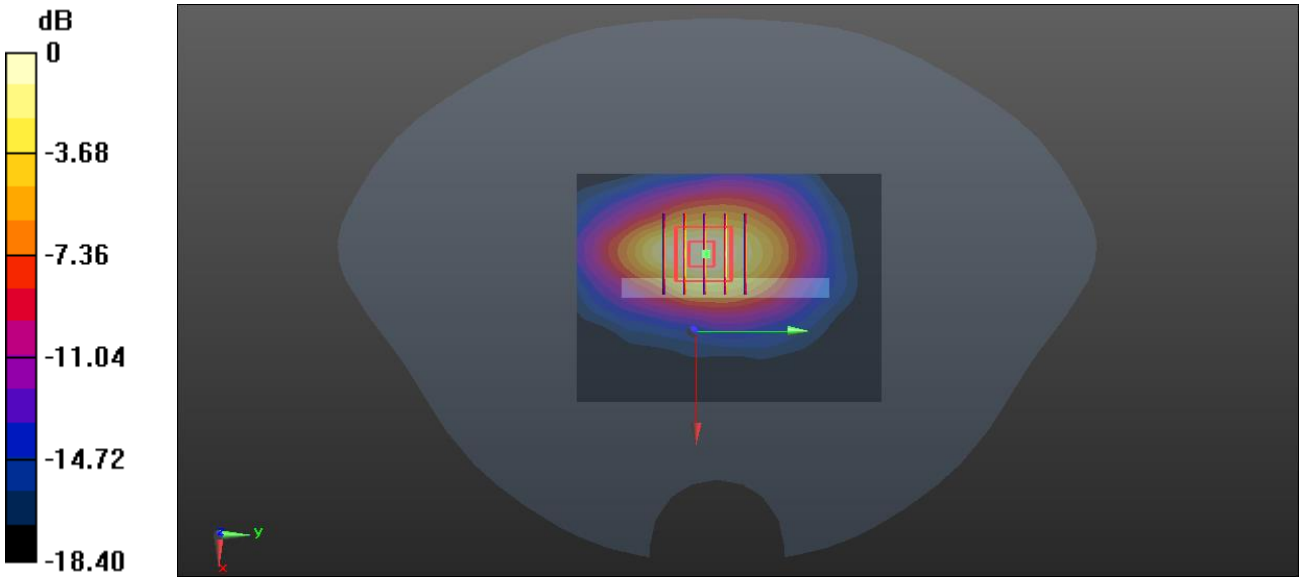
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.851 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.340 W/kg



0 dB = 0.340 W/kg

22-Right Head with Tilt on Middle Channel in LTE Band5 mode with Antenna 1

Date: 2022.01.15

Communication System Band: Band 5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.912 S/m; ε_r = 41.579; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.739 W/kg

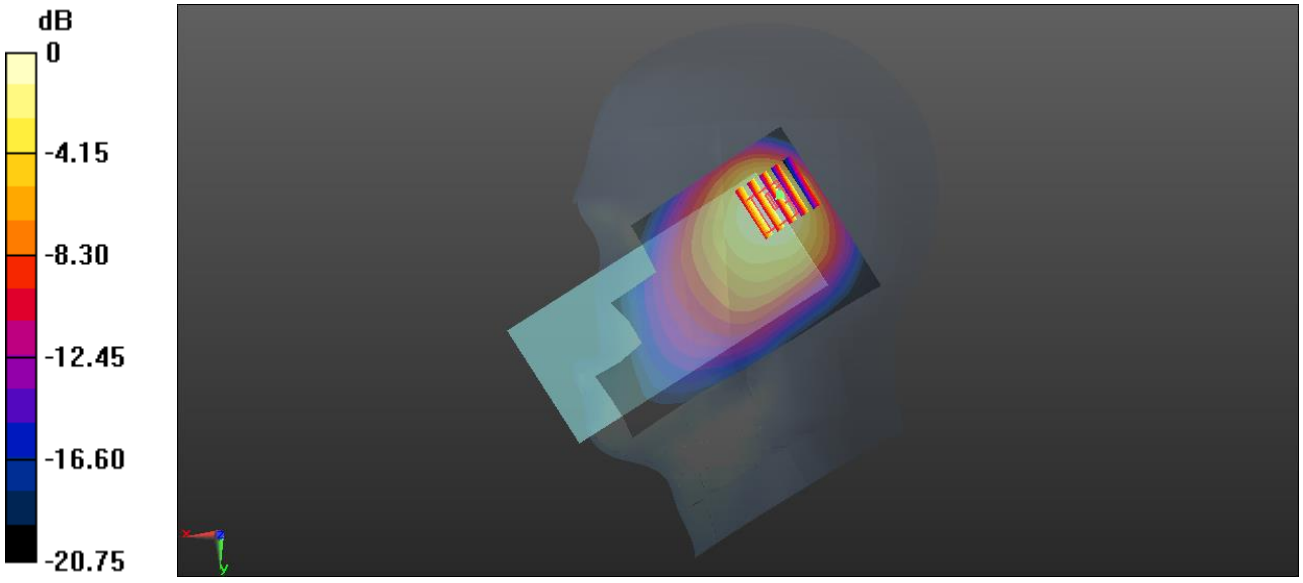
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.39 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.674 W/kg; SAR(10 g) = 0.396 W/kg

Maximum value of SAR (measured) = 0.726 W/kg



0 dB = 0.726 W/kg

23-Body Plane with Back Side 15mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2022.01.15

Communication System Band: Band 5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.912 S/m; ε_r = 41.579; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.132 W/kg

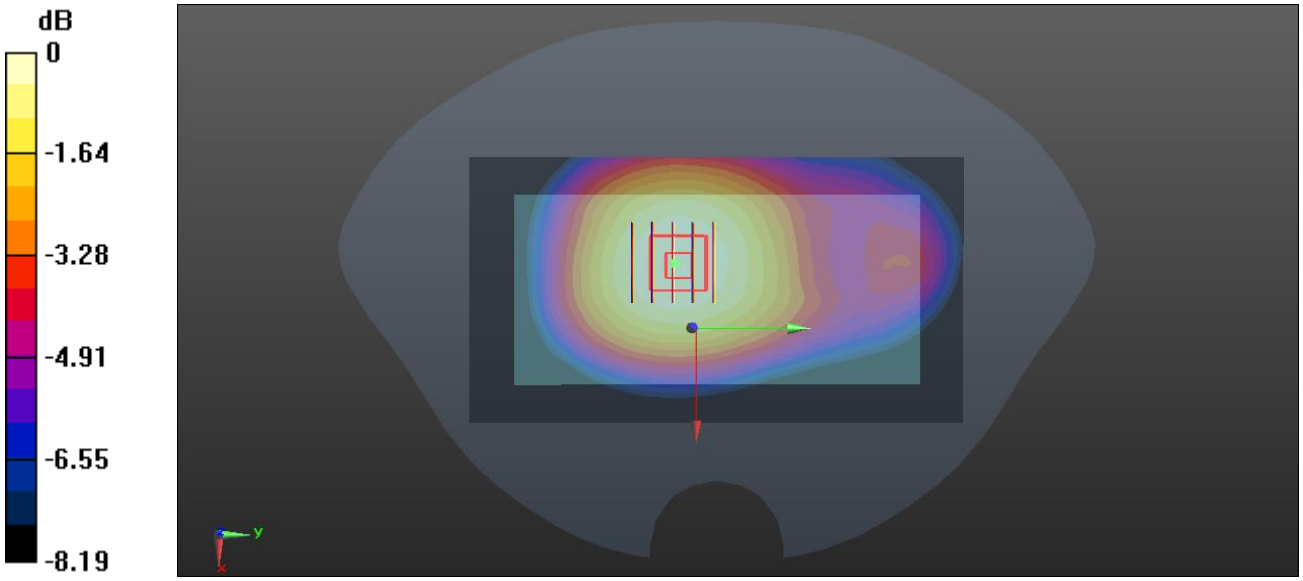
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.31 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.131 W/kg



0 dB = 0.131 W/kg

24-Body Plane with Back side 10mm on Middle Channel in LTE Band5 with Antenna 1

Date: 2022.01.15

Communication System Band: Band 5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.912 S/m; ε_r = 41.579; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.210 W/kg

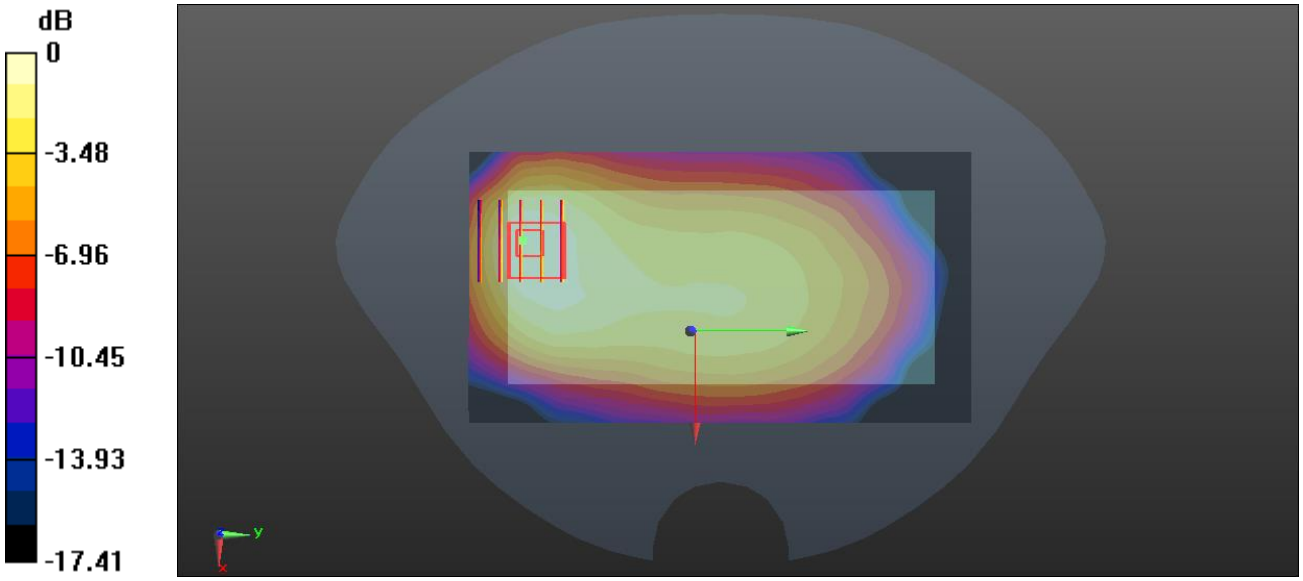
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.58 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.308 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg

25-Right Head with Tilt on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2022.01.25

Communication System Band: Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.871 S/m; ε_r = 39.145; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.694 W/kg

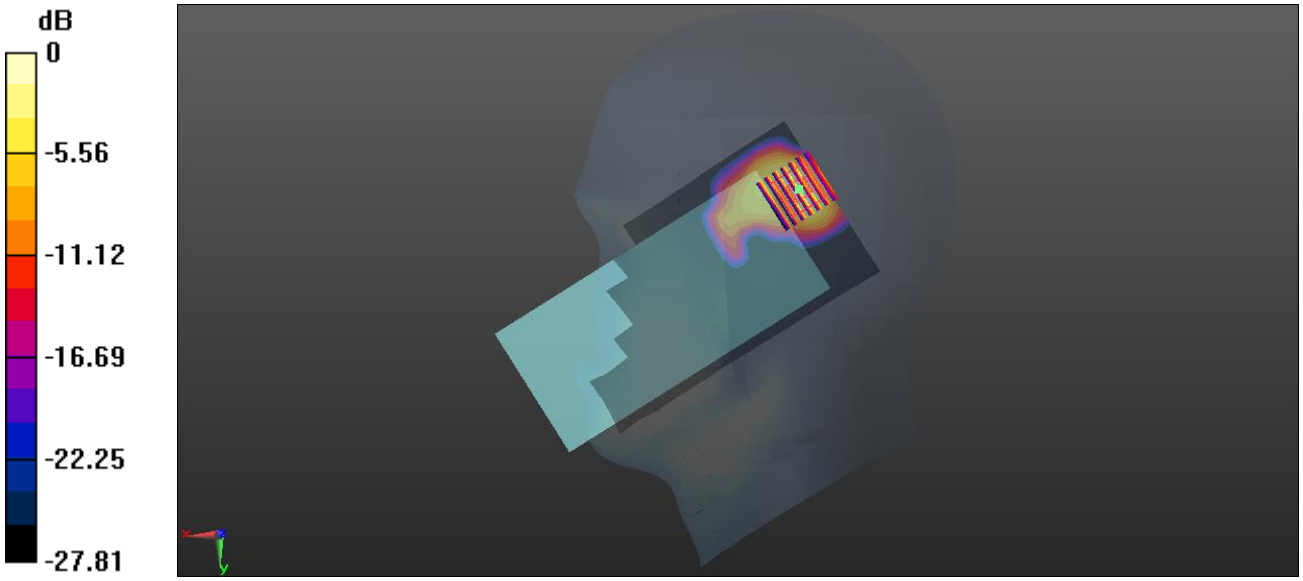
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.808 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.225 W/kg

Maximum value of SAR (measured) = 0.723 W/kg



0 dB = 0.723 W/kg

26-Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 0

Date: 2022.01.25

Communication System Band: Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.871 S/m; ε_r = 39.145; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.221 W/kg

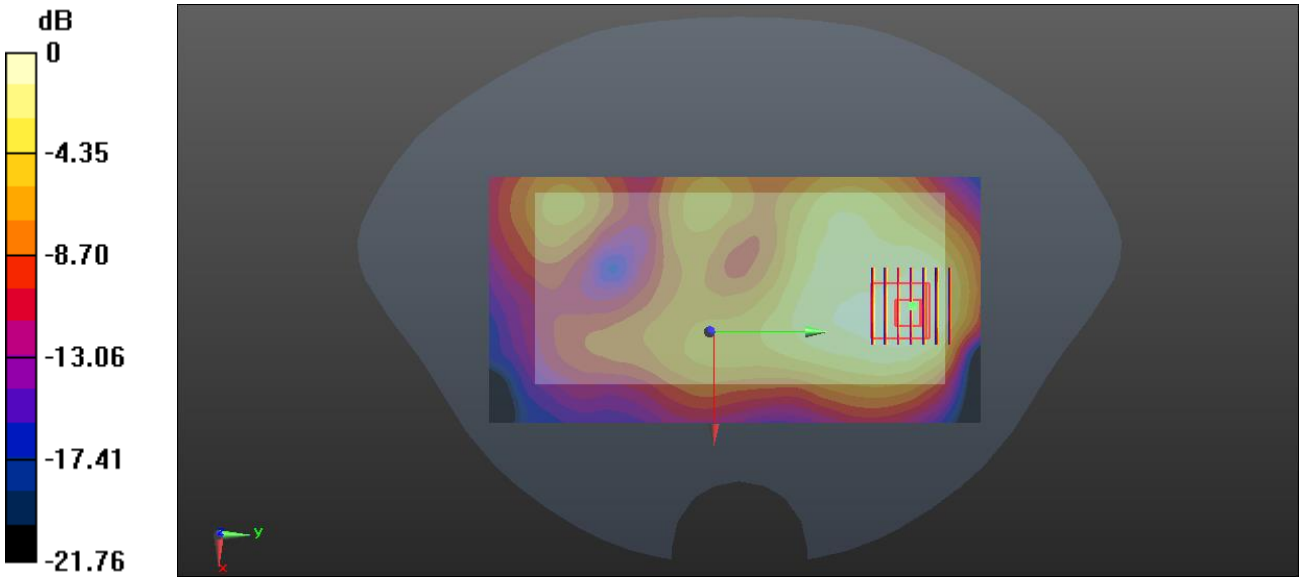
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.676 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.225 W/kg



0 dB = 0.225 W/kg

27-Body Plane with Top Edge 10mm on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2022.01.25

Communication System Band: Band 7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.871 S/m; ε_r = 39.145; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.445 W/kg

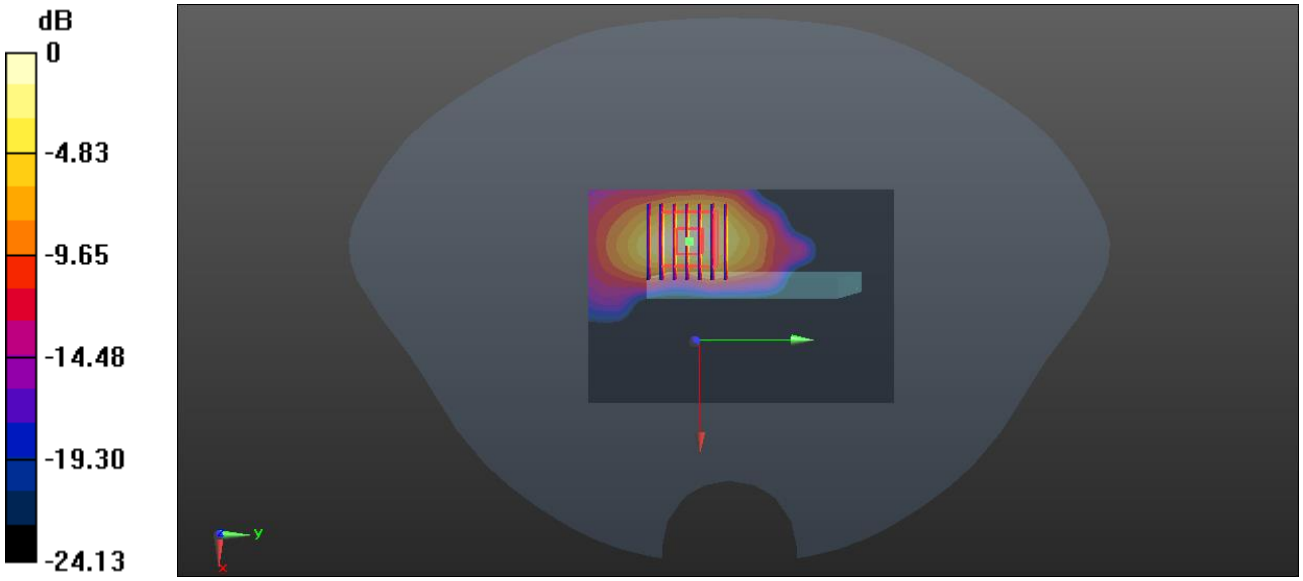
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.181 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.745 W/kg

SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.428 W/kg



0 dB = 0.428 W/kg

28-Right Head with Tilt on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2022.01.10

Communication System Band: Band 12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.878 S/m; ε_r = 41.842; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.567 W/kg

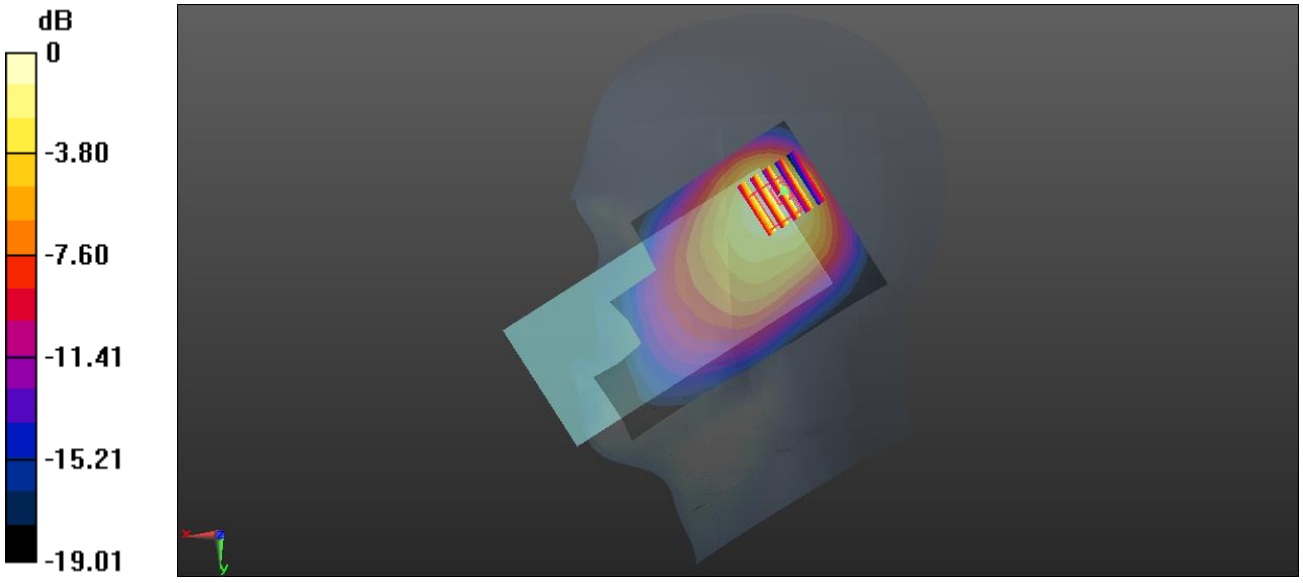
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.74 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.299 W/kg

Maximum value of SAR (measured) = 0.565 W/kg



0 dB = 0.565 W/kg

29-Body Plane with Back side 15mm on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2022.01.10

Communication System Band: Band 12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.878 S/m; ε_r = 41.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.178 W/kg

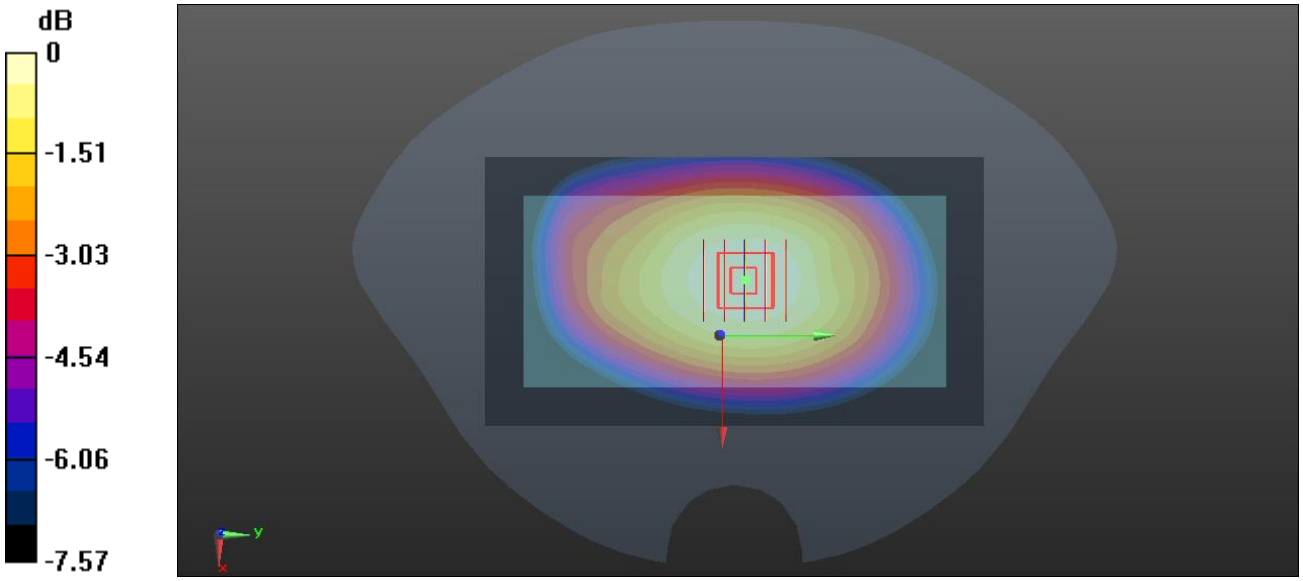
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.92 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

30-Body Plane with Back side 10mm on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2022.01.10

Communication System Band: Band 12; Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.878 S/m; ε_r = 41.842; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.160 W/kg

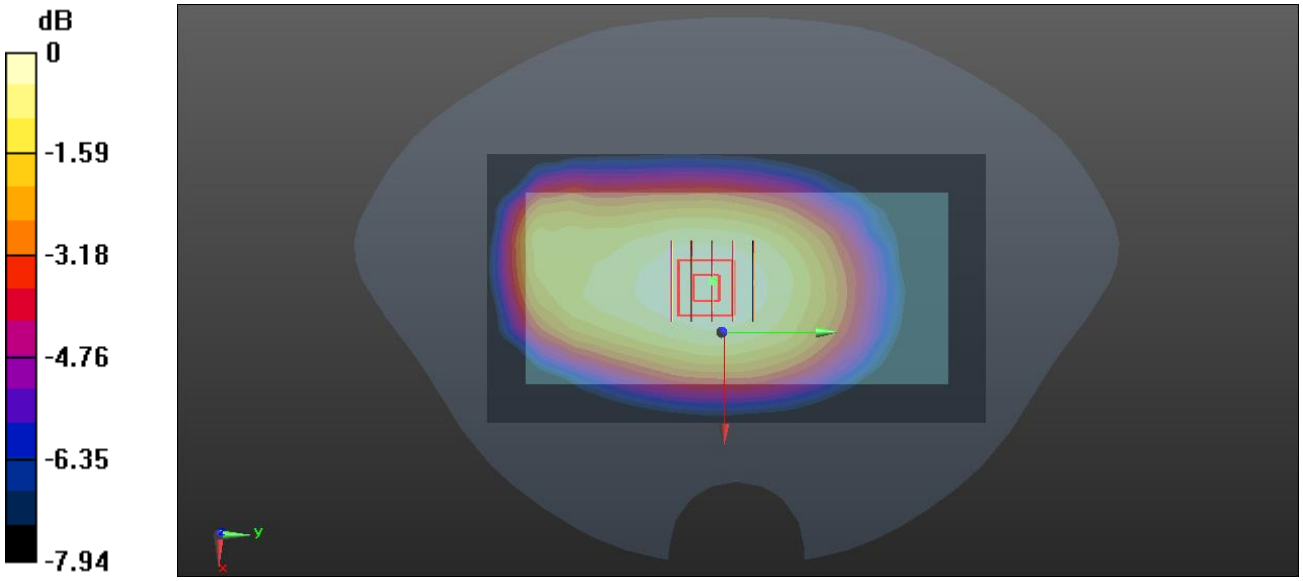
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.18 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg

31-Right Head with Tilt on Middle Channel in LTE Band13 mode with Antenna 1

Date: 2022.01.11

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.915 S/m; ε_r = 41.212; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.515 W/kg

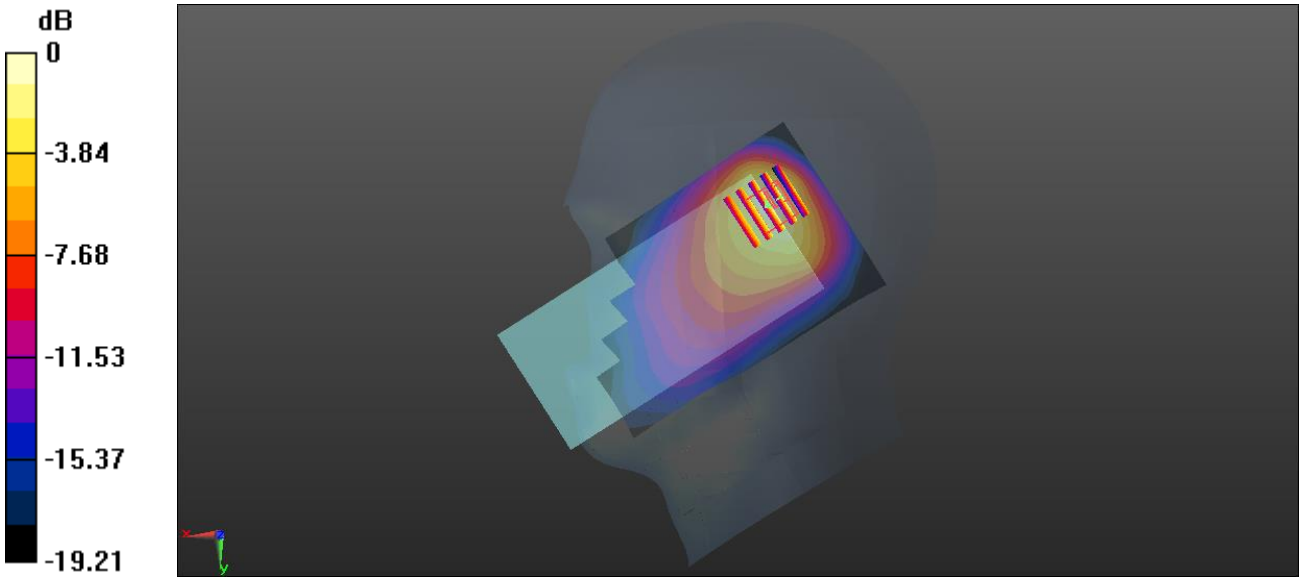
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.68 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.551 W/kg



0 dB = 0.551 W/kg

32-Body Plane with Back side 15mm on High Channel in LTE Band13 mode with Antenna 0

Date: 2022.01.11

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.915 S/m; ε_r = 41.212; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.161 W/kg

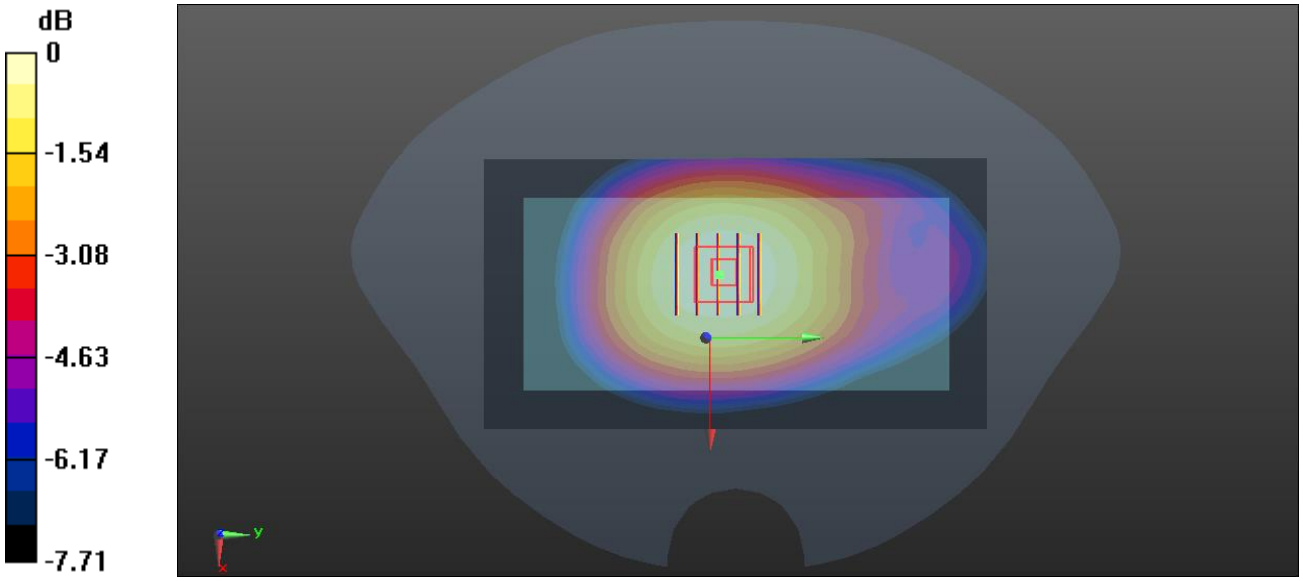
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.61 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg

33-Body Plane with Back side 10mm on Middle Channel in LTE Band13 mode with Antenna 1

Date: 2022.01.11

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.915 S/m; ε_r = 41.212; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.142 W/kg

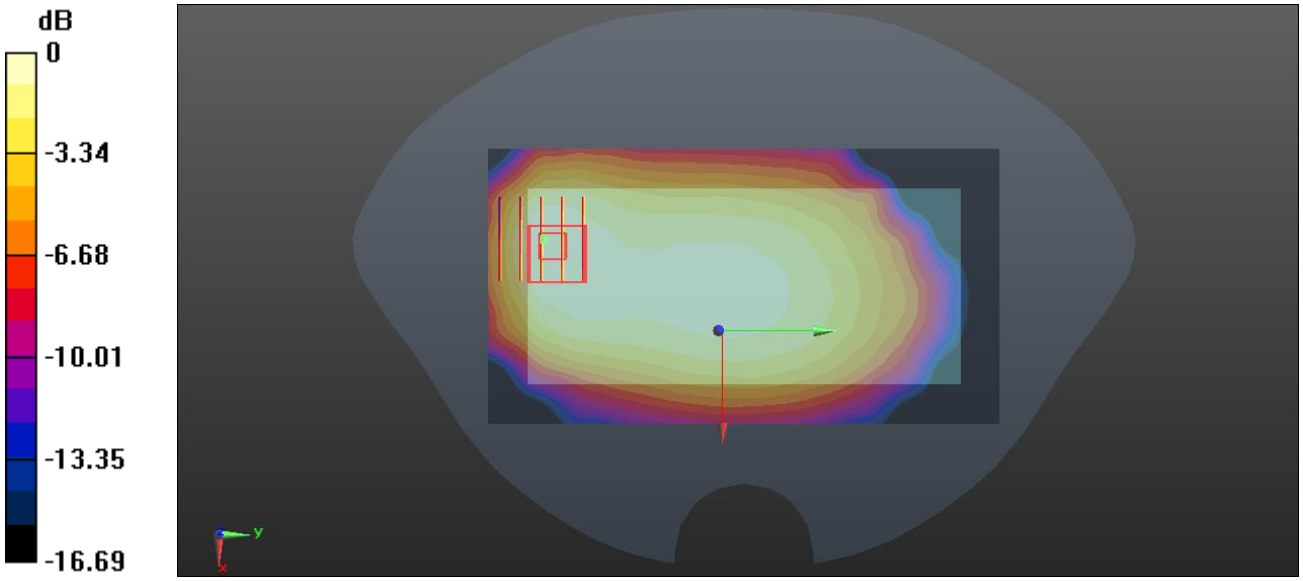
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.75 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg

34-Right Head with Tilt on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2022.01.12

Communication System Band: Band 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.865 S/m; ε_r = 41.883; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.501 W/kg

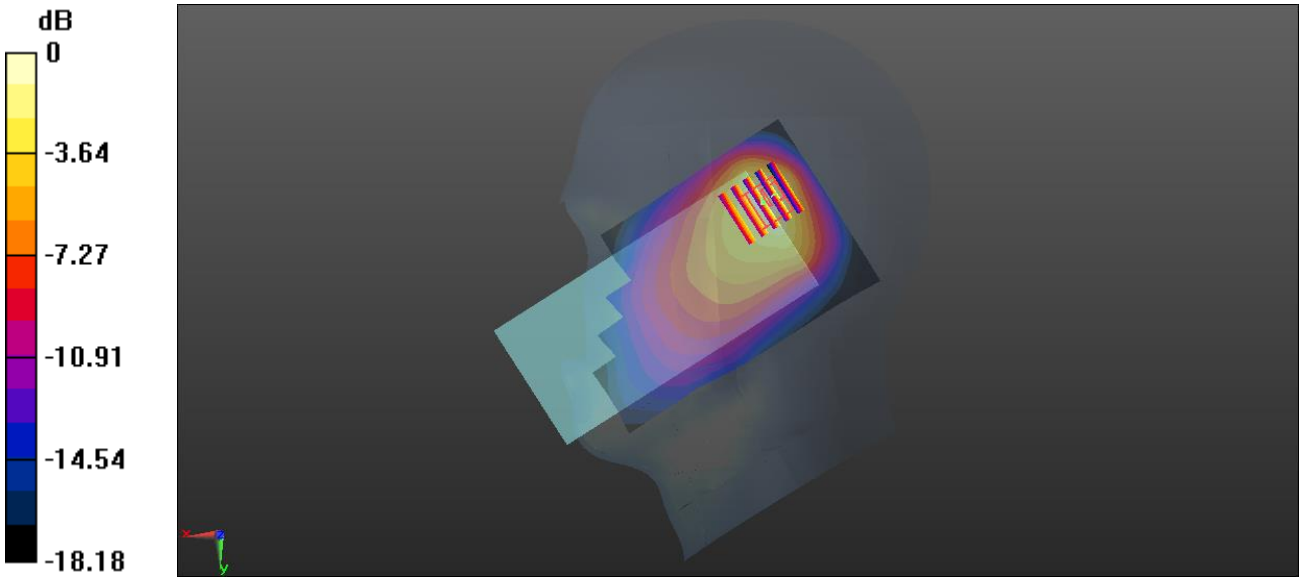
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.91 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.542 W/kg



0 dB = 0.542 W/kg

35-Body Plane with Back side 15mm on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2022.01.12

Communication System Band: Band 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.865 S/m; ε_r = 41.883; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.179 W/kg

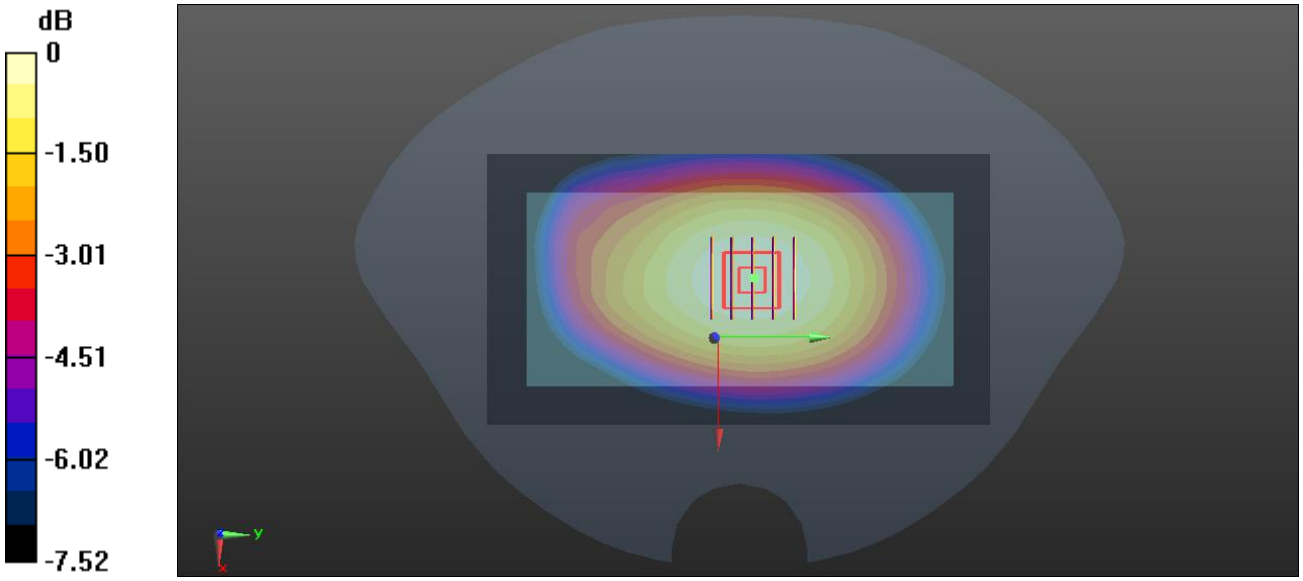
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.91 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

36-Body Plane with Back side 10mm on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2022.01.12

Communication System Band: Band 17; Frequency: 710 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 710 MHz; σ = 0.865 S/m; ε_r = 41.883; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.163 W/kg

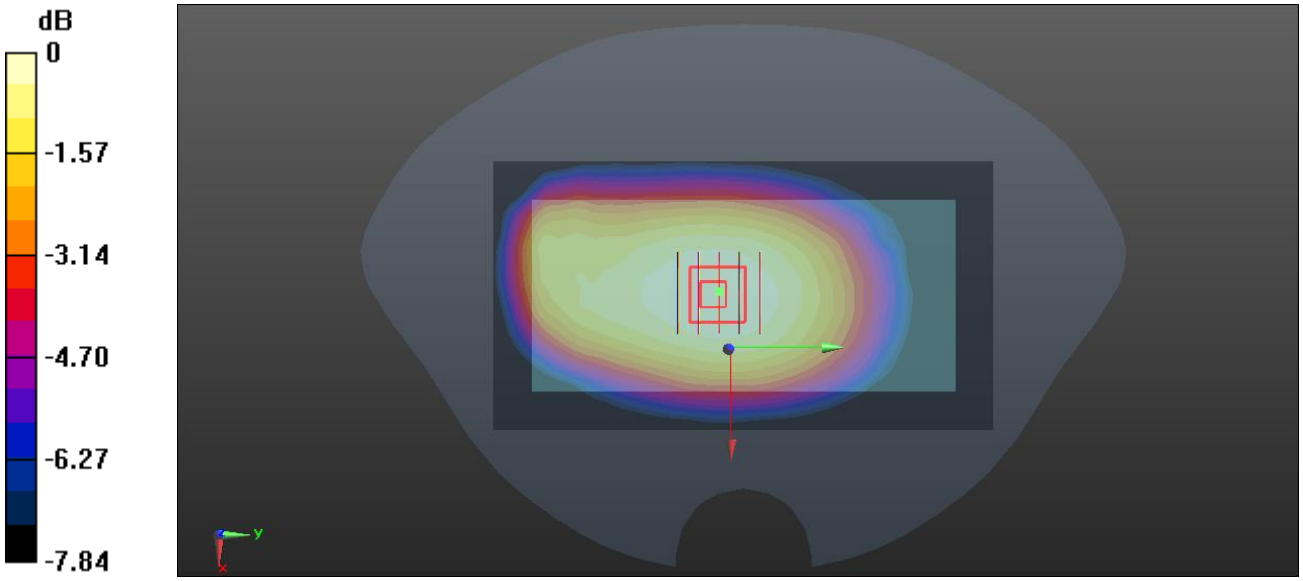
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.64 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

37-Right Head with Tilt on High Channel in LTE Band26 mode with Antenna 1

Date: 2022.01.17

Communication System Band: Band 26; Frequency: 841.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.921 S/m; ε_r = 41.065; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26965/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.728 W/kg

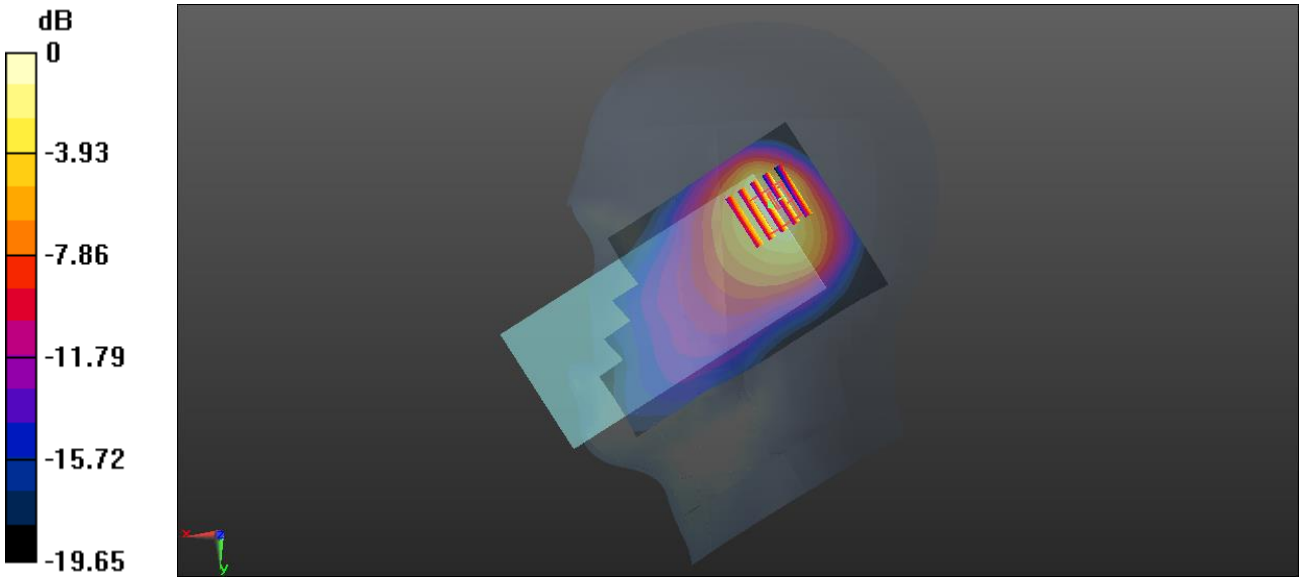
Ch26965/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.47 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 0.770 W/kg



0 dB = 0.770 W/kg

38-Body Plane with Back side 15mm on Middle Channel in LTE Band26 mode with Antenna 1

Date: 2022.01.17

Communication System Band: Band 26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.903 S/m; ε_r = 41.552; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.118 W/kg

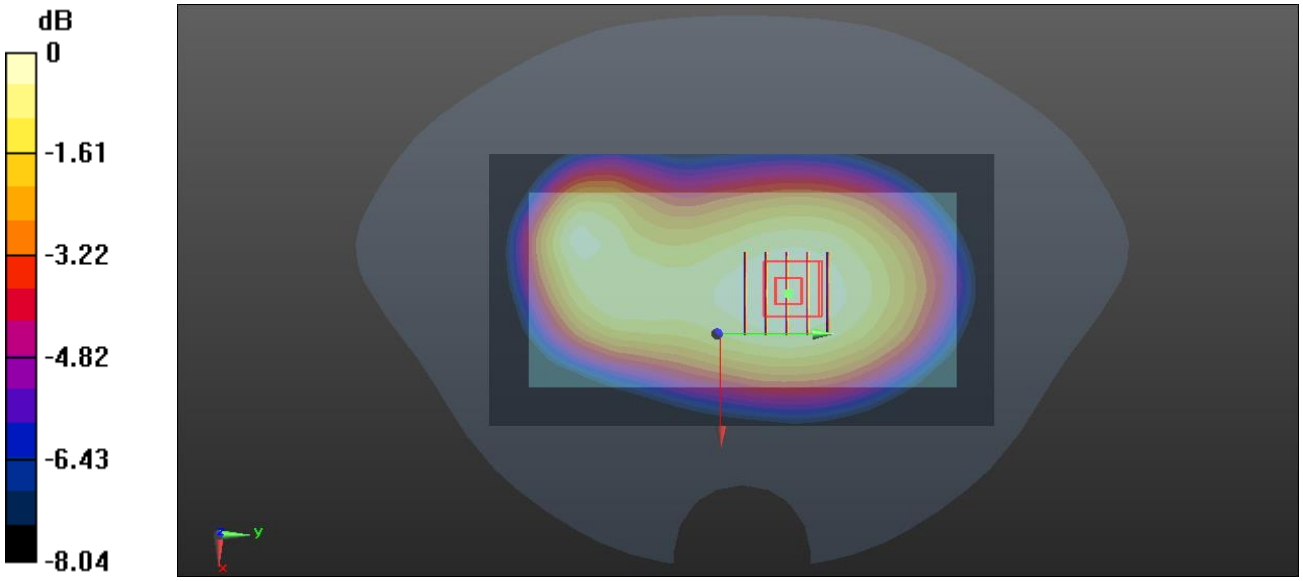
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.94 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg

39-Body Plane with Back Side 10mm on Middle Channel in LTE Band26 mode with Antenna 1

Date: 2022.01.17

Communication System Band: Band 26; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.903 S/m; ε_r = 41.552; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.209 W/kg

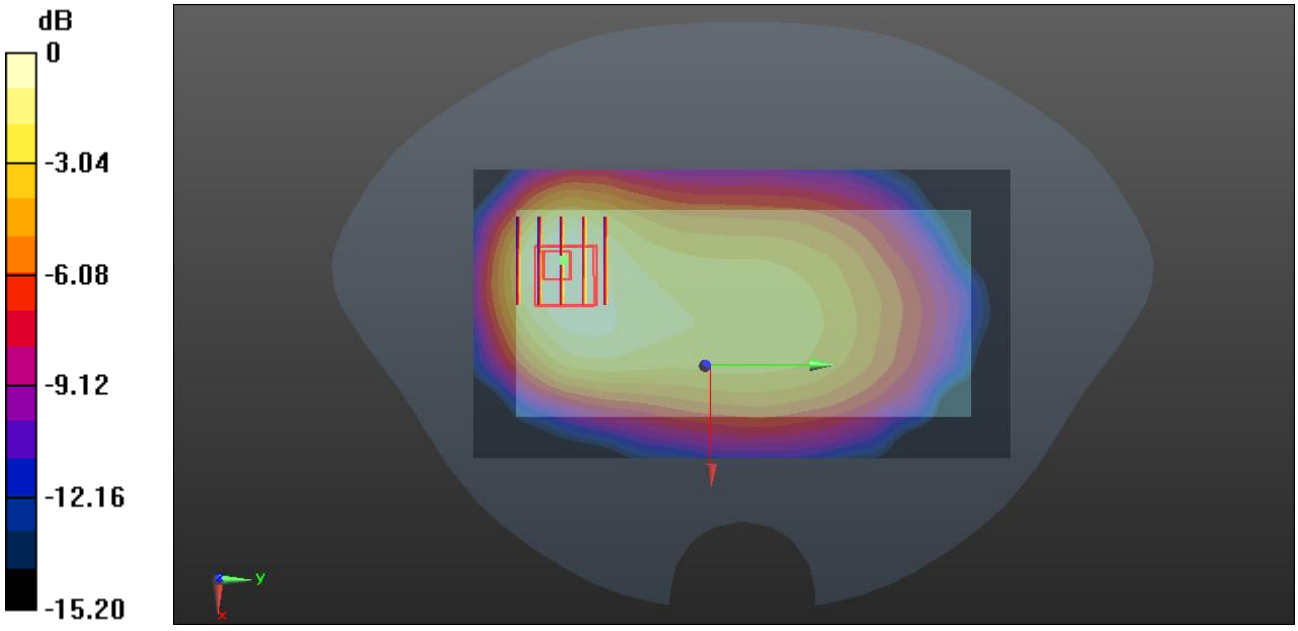
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.42 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg

40-Right Head with Tilt on Middle Channel in LTE Band66 mode with Antenna 1

Date: 2022.01.20

Communication System Band: Band 66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.357 S/m; ε_r = 40.664; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.711 W/kg

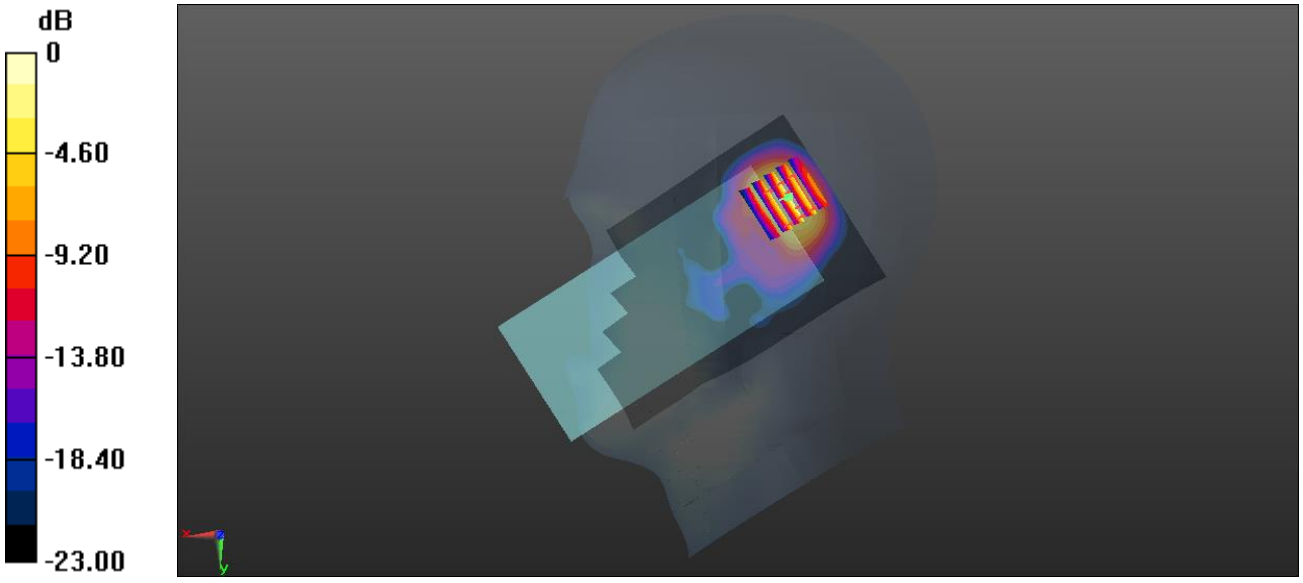
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.247 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.760 W/kg



0 dB = 0.760 W/kg

41-Body Plane with Back side 15mm on Middle Channel in LTE Band66 mode with Antenna 1

Date: 2022.01.20

Communication System Band: Band 66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.357 S/m; ε_r = 40.664; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.166 W/kg

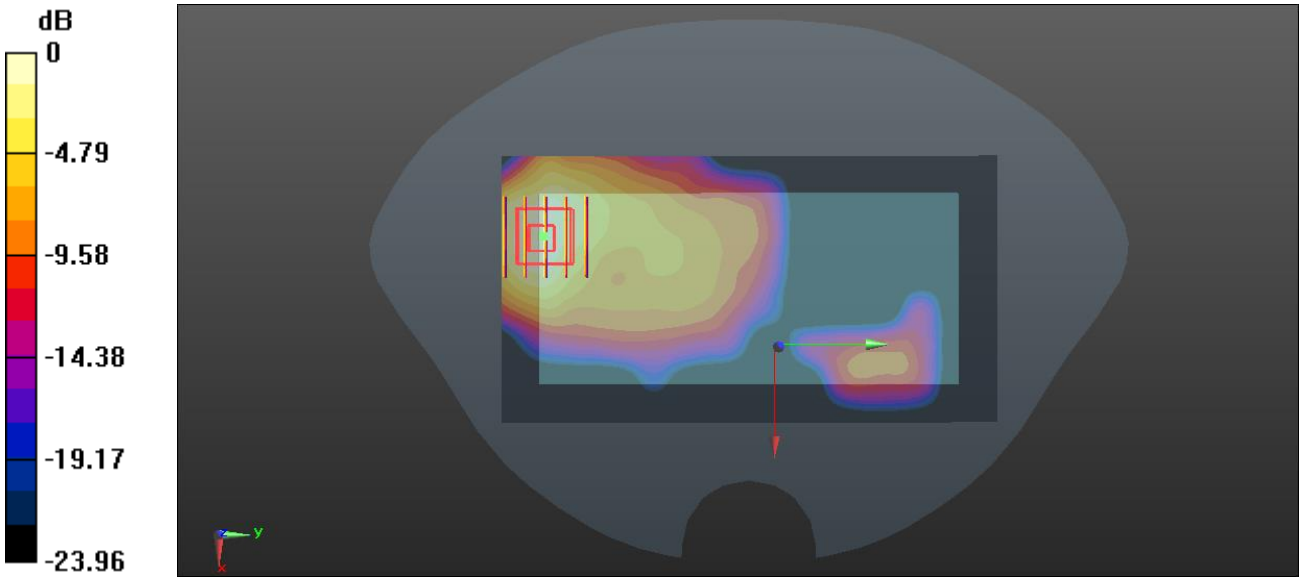
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.876 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.085 W/kg

Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg

42-Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2022.01.20

Communication System Band: Band 66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.357 S/m; ε_r = 40.664; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.404 W/kg

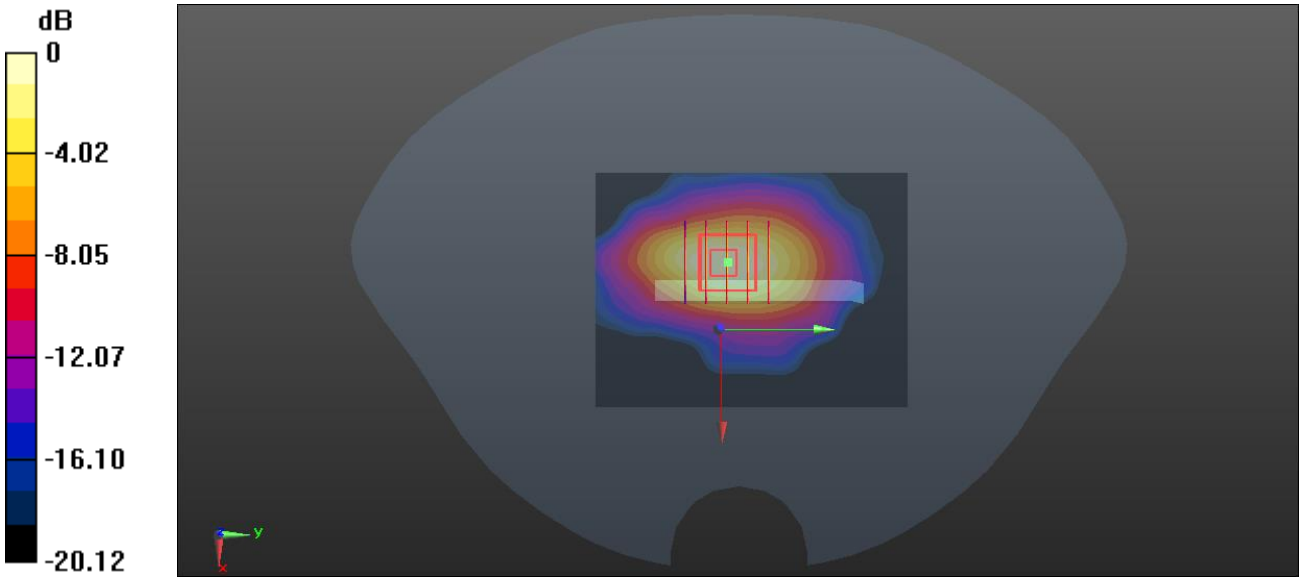
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.52 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.384 W/kg



0 dB = 0.384 W/kg

43-Right Head with Tilt on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2022.01.27

Communication System Band: Band 38; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.94 S/m; ε_r = 38.723; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:21.8 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.793 W/kg

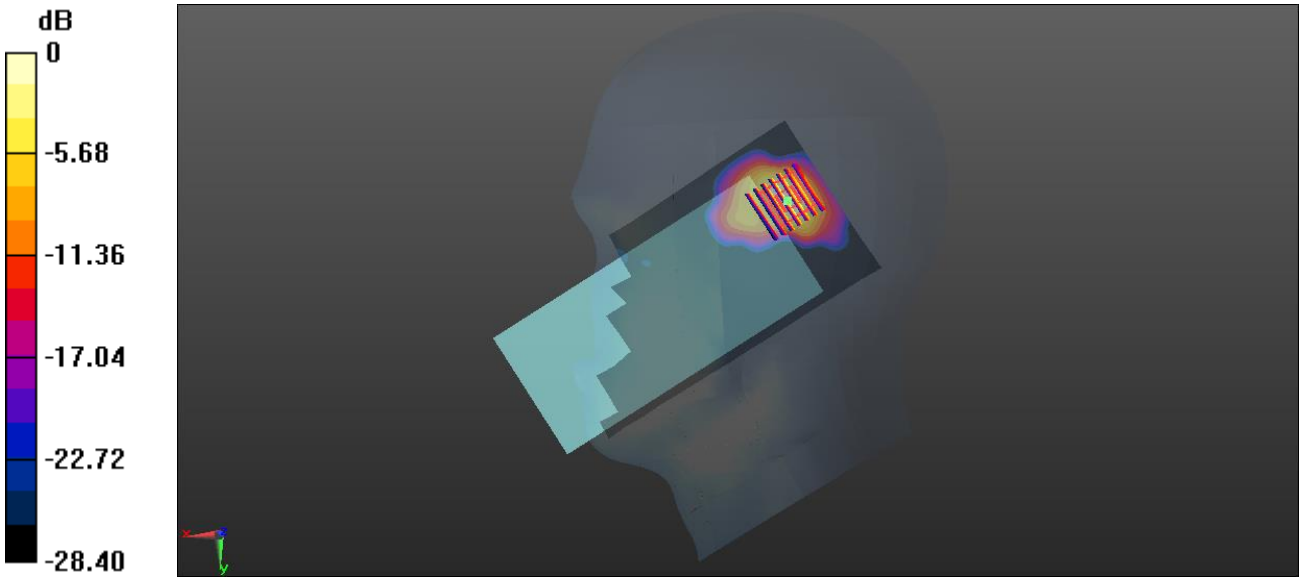
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.816 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.241 W/kg

Maximum value of SAR (measured) = 0.813 W/kg



0 dB = 0.813 W/kg

44-Body Plane with Back Side 15mm on Middle Channel in LTE Band38 mode with Antenna 0

Date: 2022.01.27

Communication System Band: Band 38; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.94 S/m; ε_r = 38.723; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.204 W/kg

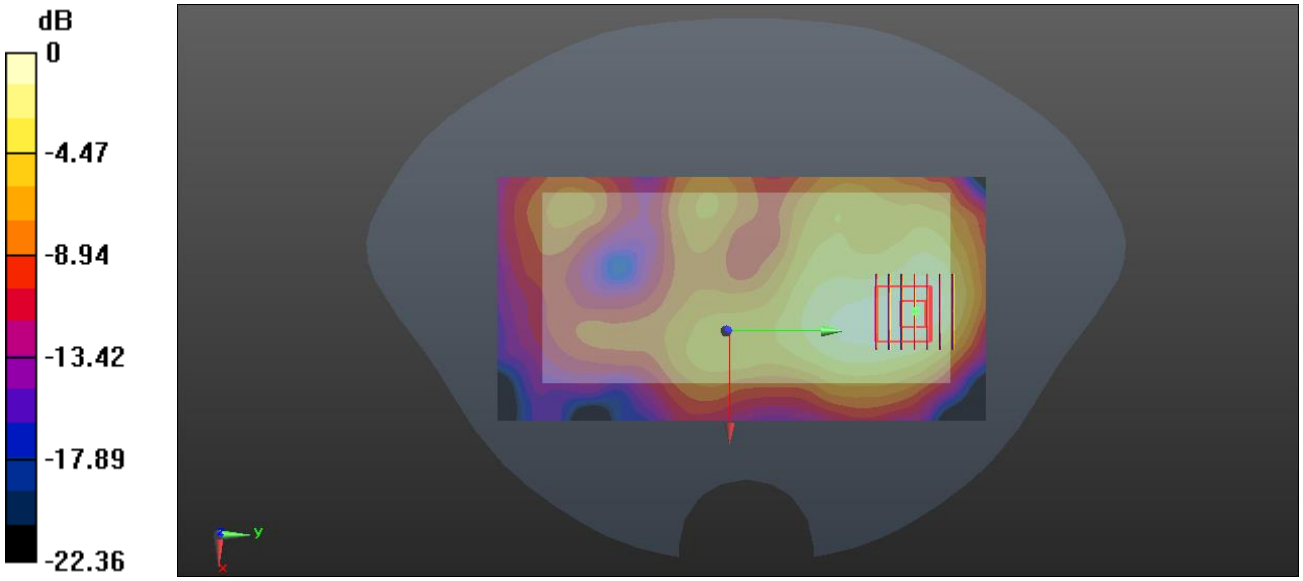
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.199 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg

45-Body Plane with Top Edge 10mm on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2022.01.27

Communication System Band: Band 38; Frequency: 2595 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.94 S/m; ε_r = 38.723; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.490 W/kg

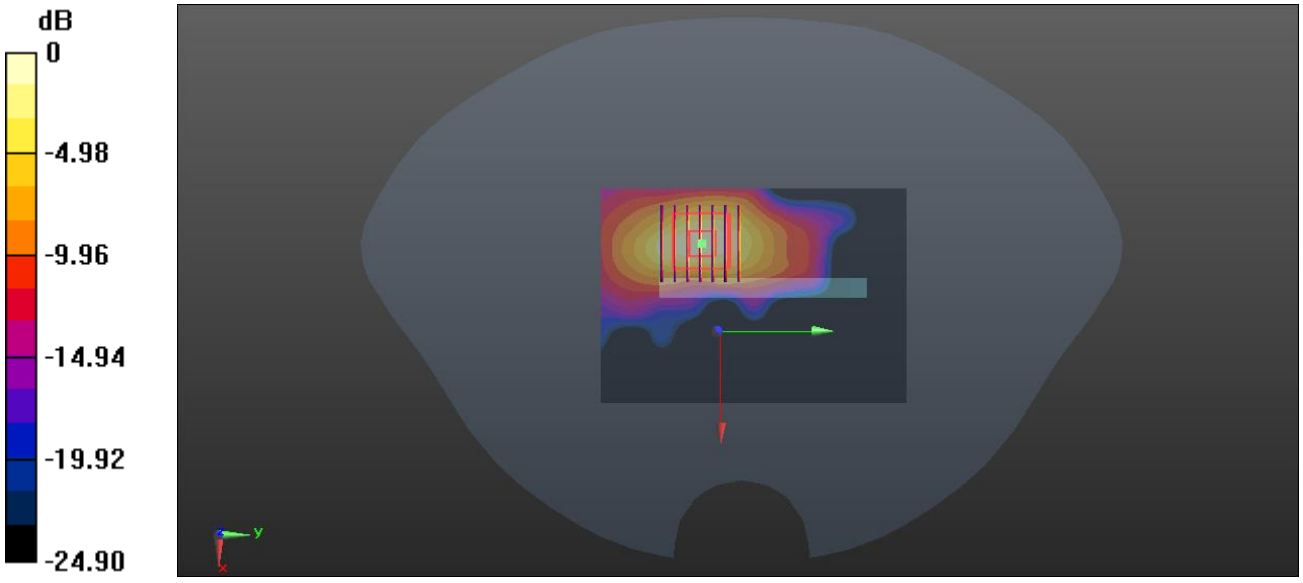
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.406 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.840 W/kg

SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.477 W/kg



0 dB = 0.477 W/kg

46-Right Head with Tilt on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2022.01.29

Communication System Band: Band41; Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.967 S/m; ε_r = 39.191; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.847 W/kg

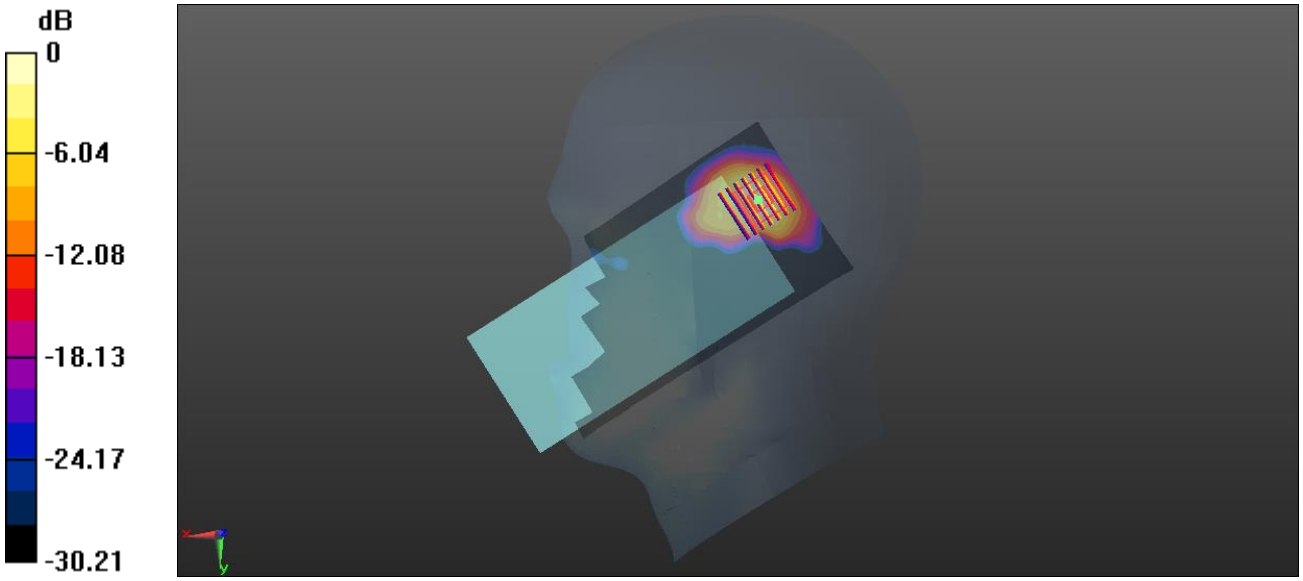
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.582 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.863 W/kg



0 dB = 0.863 W/kg

47-Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2022.01.29

Communication System Band: Band41; Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.967 S/m; ε_r = 39.191; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.325 W/kg

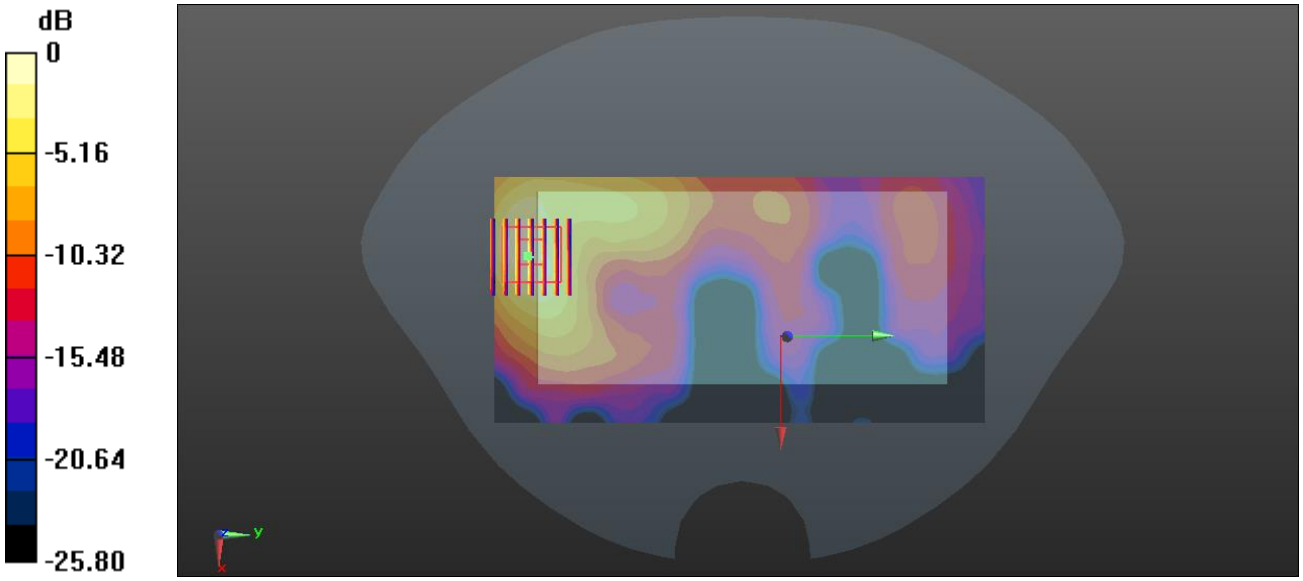
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.093 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.593 W/kg

SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.338 W/kg



0 dB = 0.338 W/kg

48-Body Plane with Top Edge 10mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2022.01.29

Communication System Band: Band41; Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 1.967 S/m; ε_r = 39.191; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.569 W/kg

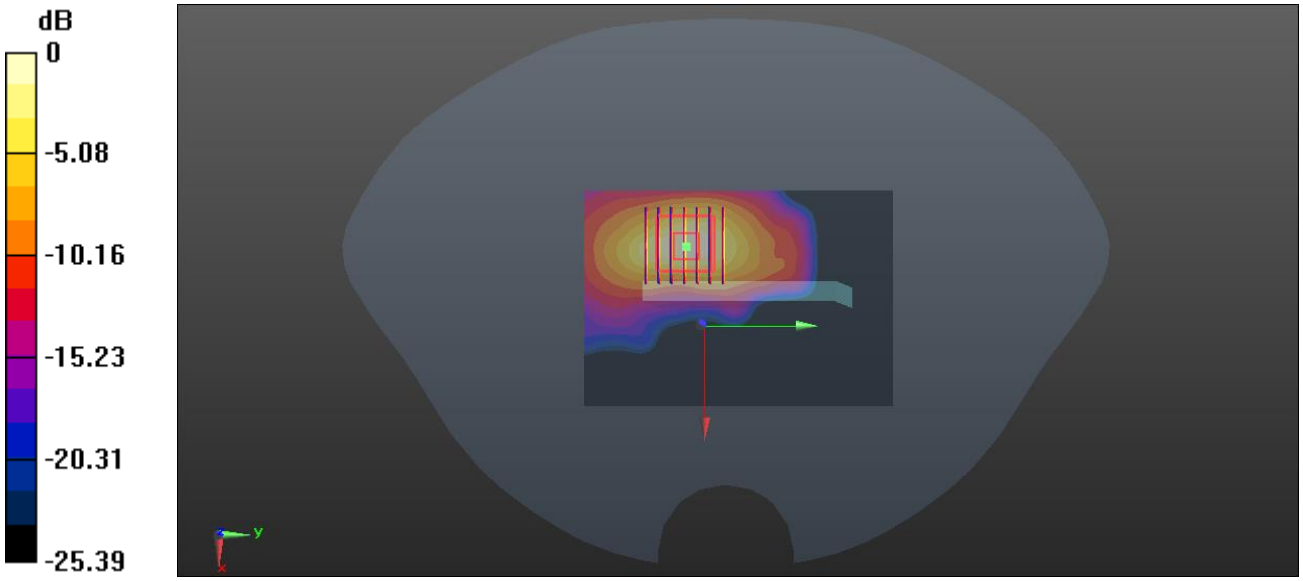
Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.845 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.985 W/kg

SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.207 W/kg

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



0 dB = 0.557 W/kg

49-Right Head with Cheek on 167300 Channel in N5 mode with Antenna 1

Date: 2022.01.16

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1.

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.897 S/m; ε_r = 41.736; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch167300/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.883 W/kg

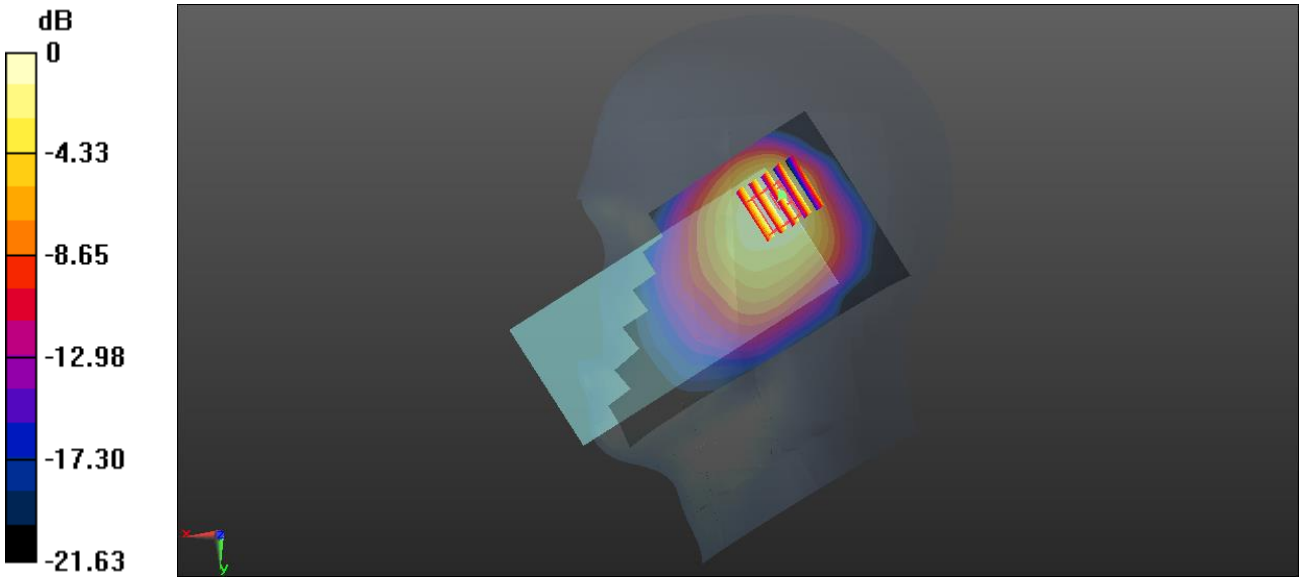
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.23 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.405 W/kg

Maximum value of SAR (measured) = 0.742 W/kg



0 dB = 0.742 W/kg

50-Body Plane with Back Side 15mm on 166800 Channel in N5 mode with Antenna 1

Date: 2022.01.16

Communication System Band: N5; Frequency: 834 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 834 MHz; σ = 0.895 S/m; ε_r = 41.834; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.124 W/kg

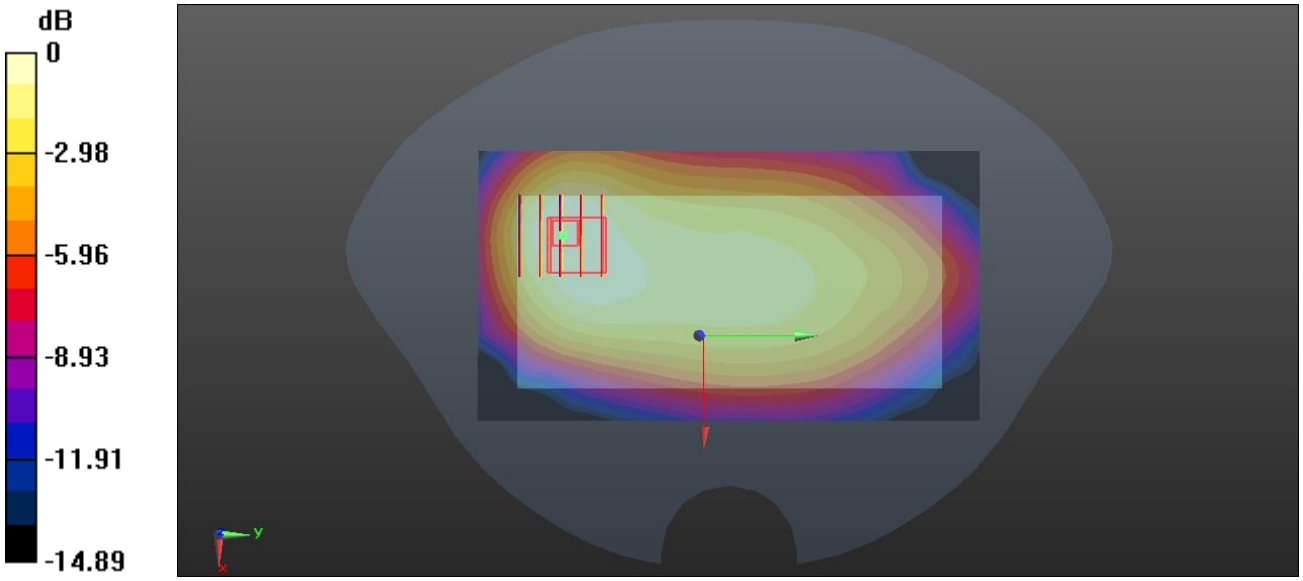
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.851 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.120 W/kg

51-Body Plane with Back Side 10mm on 166800 Channel in N5 mode with Antenna 1

Date: 2022.01.16

Communication System Band: N5; Frequency: 834 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 834 MHz; σ = 0.895 S/m; ε_r = 41.834; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.280 W/kg

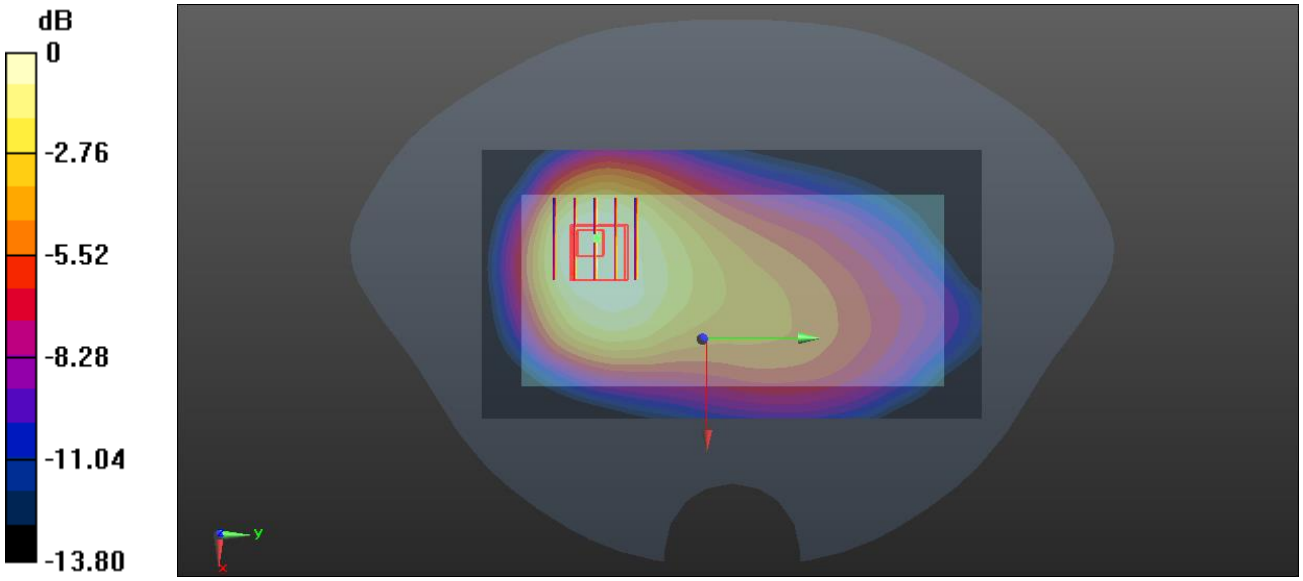
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.48 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg

52-Right Head with Tilt on 507000 Channel in N7 mode with Antenna 1

Date: 2022.01.26

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.903 S/m; ε_r = 38.895; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.715 W/kg

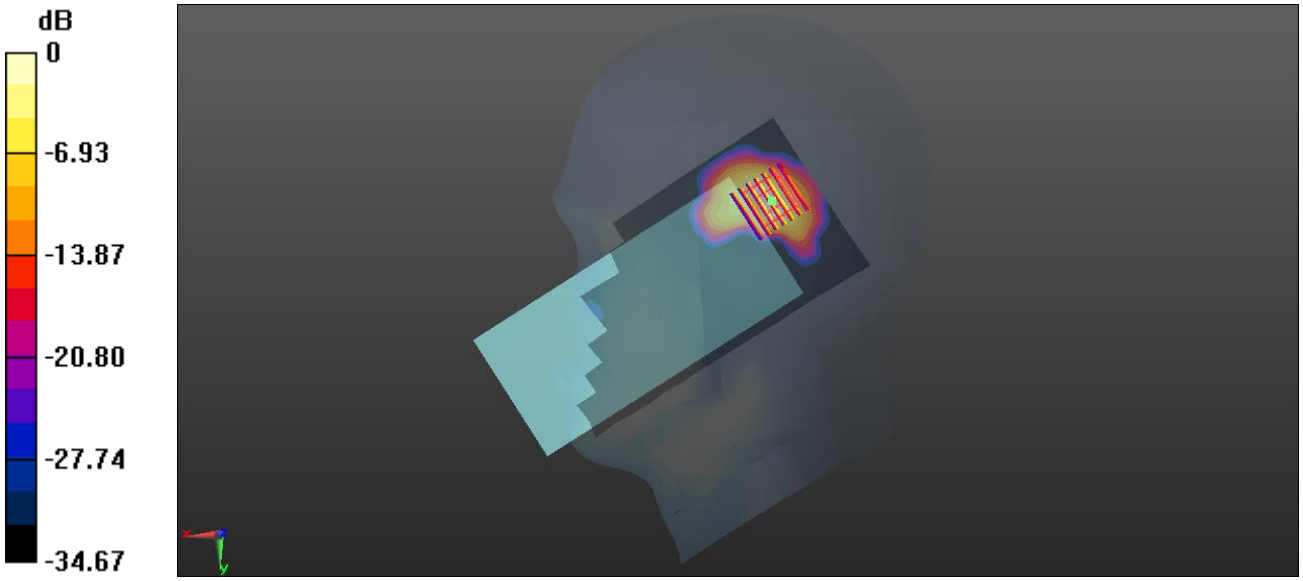
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.282 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 0.747 W/kg



0 dB = 0.747 W/kg

53-Body Plane with Back Side 15mm on 507000 Channel in N7 mode with Antenna 1

Date: 2022.01.26

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.903 S/m; ε_r = 38.895; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.275 W/kg

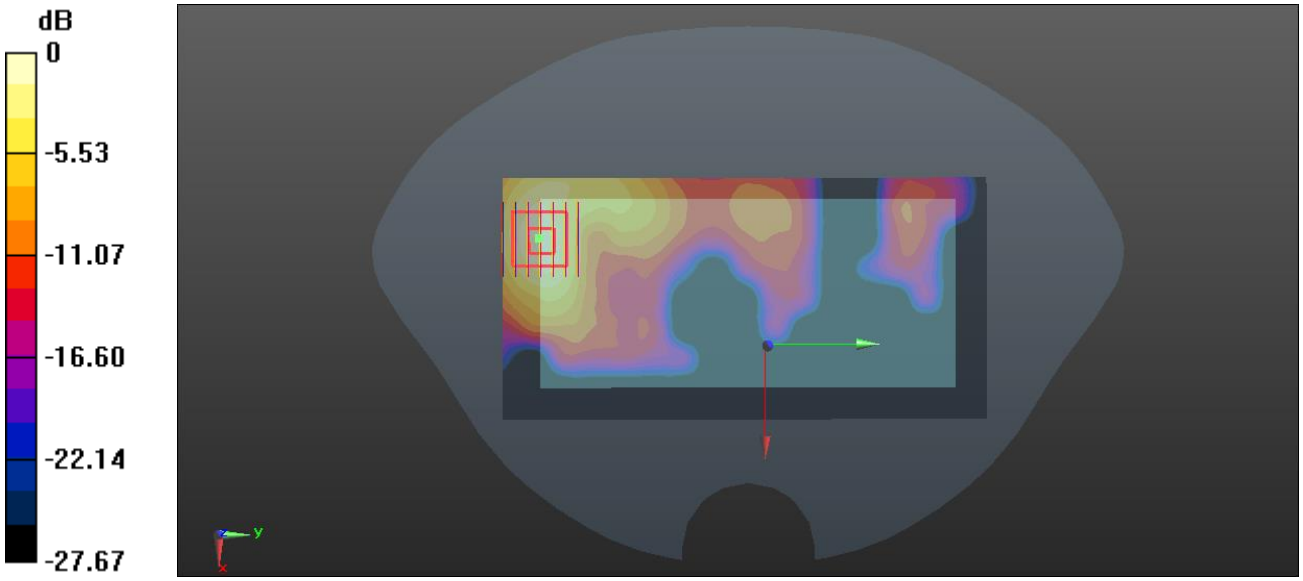
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.641 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.283 W/kg



0 dB = 0.283 W/kg

54-Body Plane with Top Edge 10mm on 507000 Channel in N7 mode with Antenna 1

Date: 2022.01.26

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.903 S/m; ε_r = 38.895; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch507000/Area Scan (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.550 W/kg

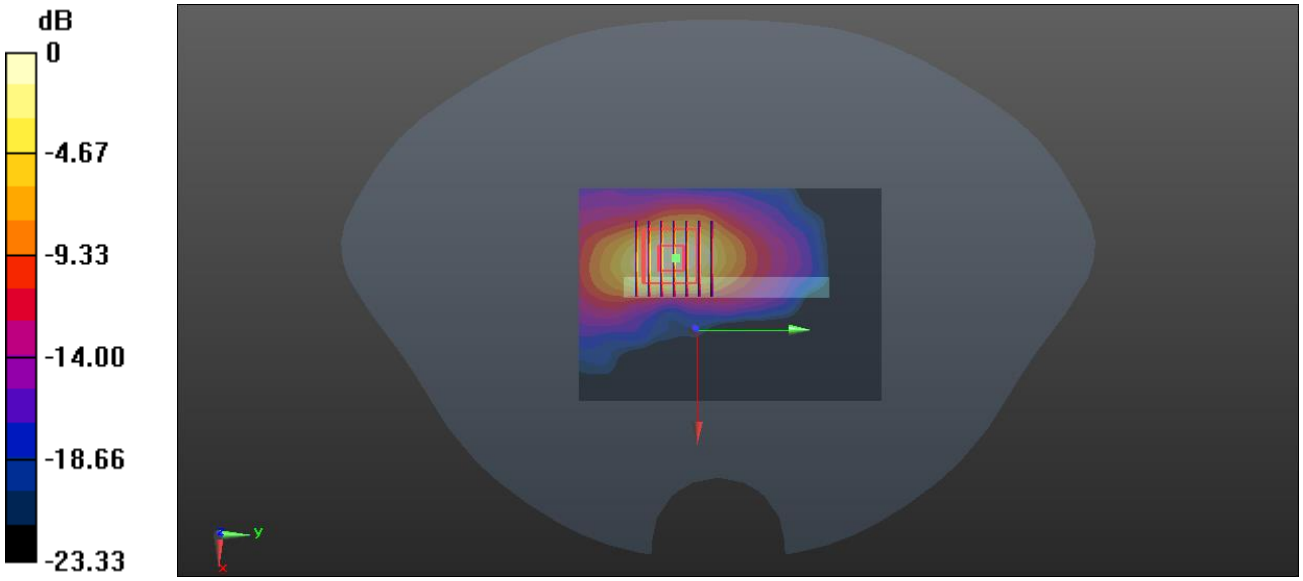
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.147 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.196 W/kg

Maximum value of SAR (measured) = 0.524 W/kg



0 dB = 0.524 W/kg

55-Right Head with Tilt on 519000 Channel in N38 mode with Antenna 1

Date: 2022.01.27

Communication System Band: N38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.94 S/m; ε_r = 38.723; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:21.8 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.797 W/kg

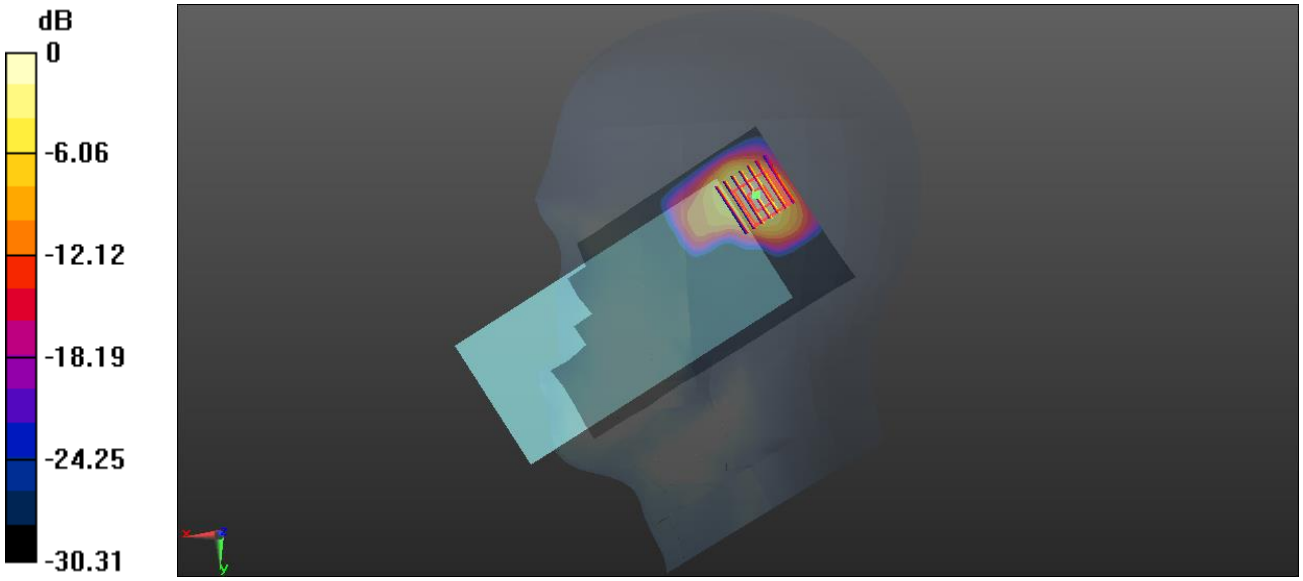
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.688 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.764 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.913 W/kg



0 dB = 0.913 W/kg

56-Body Plane with Back Side 15mm on 519000 Channel in N38 mode with Antenna 1

Date: 2022.01.27

Communication System Band: N38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.94 S/m; ε_r = 38.723; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.283 W/kg

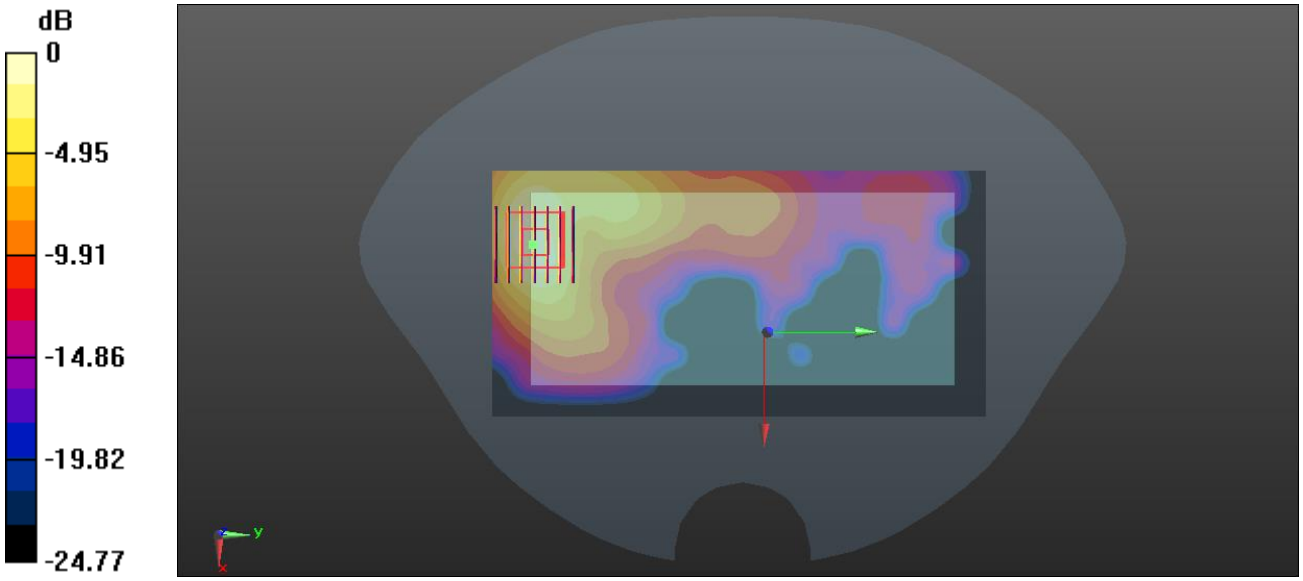
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.012 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



0 dB = 0.299 W/kg

57-Body Plane with Back Side 10mm on 516000 Channel in N38 mode with Antenna 0

Date: 2022.01.27

Communication System Band: N38; Frequency: 2580 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.917 S/m; ε_r = 38.988; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.8 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch516000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.462 W/kg

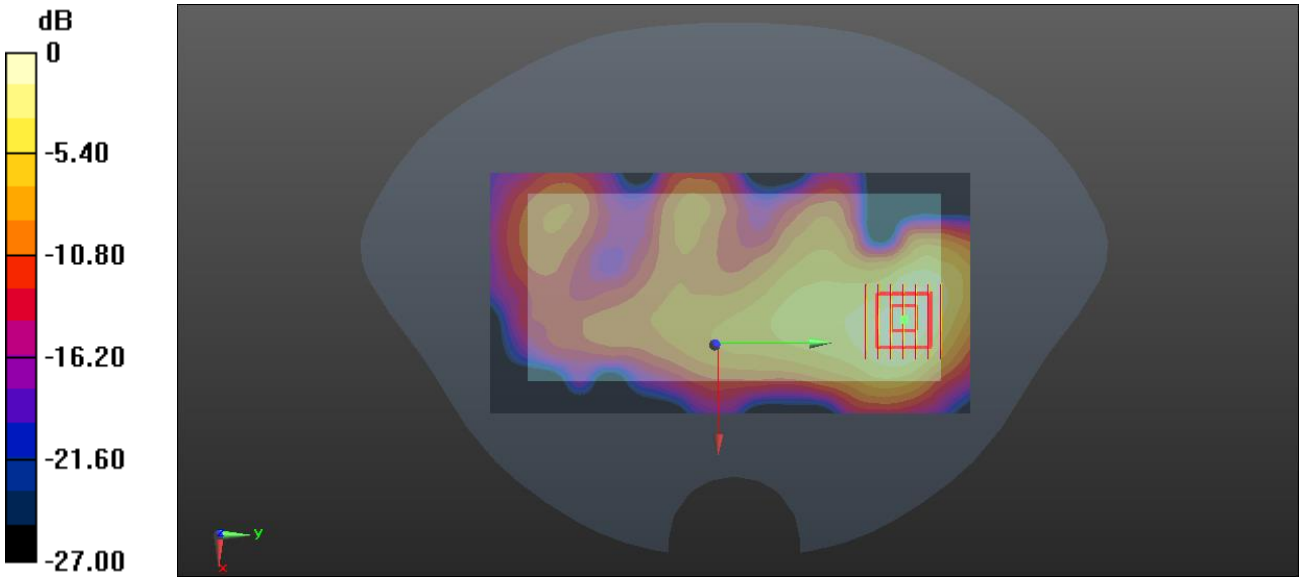
Ch516000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.438 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.807 W/kg

SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.469 W/kg

58-Right Head with Tilt on 518598 Channel in N41 mode with Antenna 1

Date: 2022.01.30

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.932 S/m; ε_r = 39.123; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:20.9

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.671 W/kg

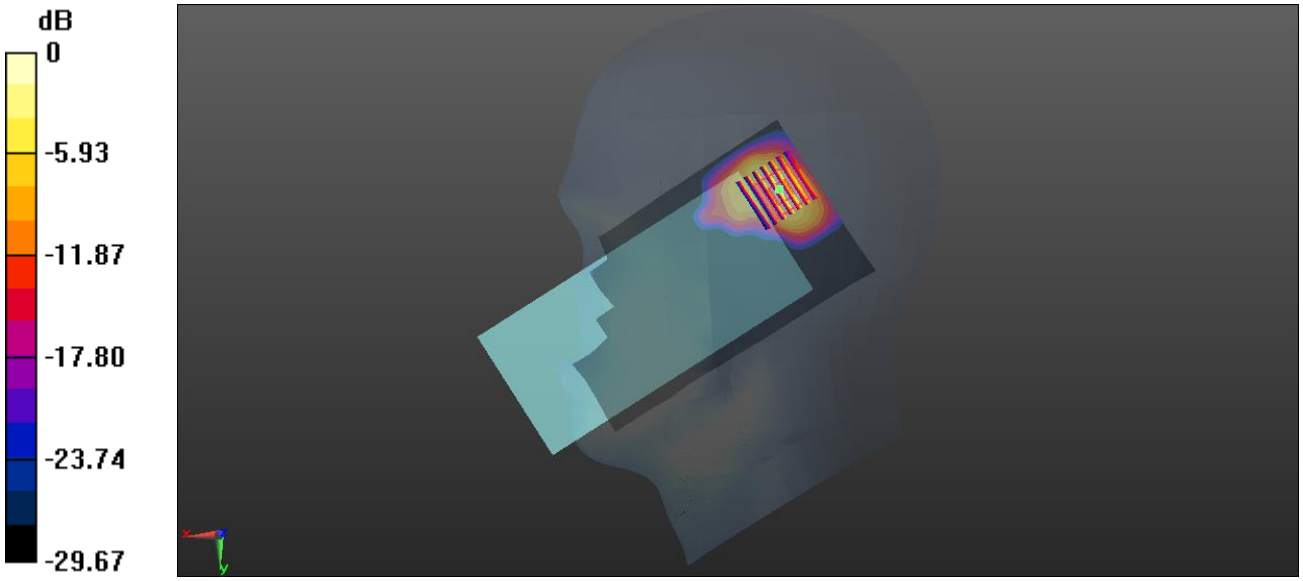
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.607 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 0.763 W/kg



0 dB = 0.763 W/kg

59-Body Plane with Back Side 15mm on 518598 Channel in N41 mode with Antenna 0

Date: 2022.01.30

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.932 S/m; ε_r = 39.123; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:20.9

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.264 W/kg

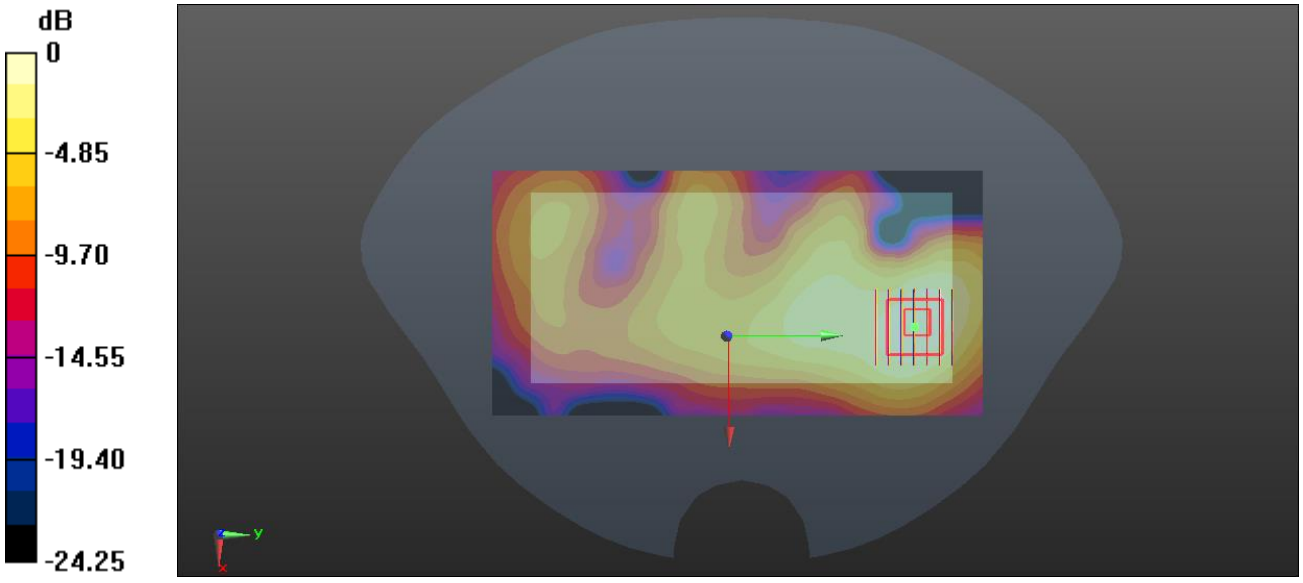
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.140 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.434 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg

60-Body Plane with Back Side 10mm on 518598 Channel in N41 mode with Antenna 0

Date: 2022.01.30

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.932 S/m; ε_r = 39.123; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:20.9

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.451 W/kg

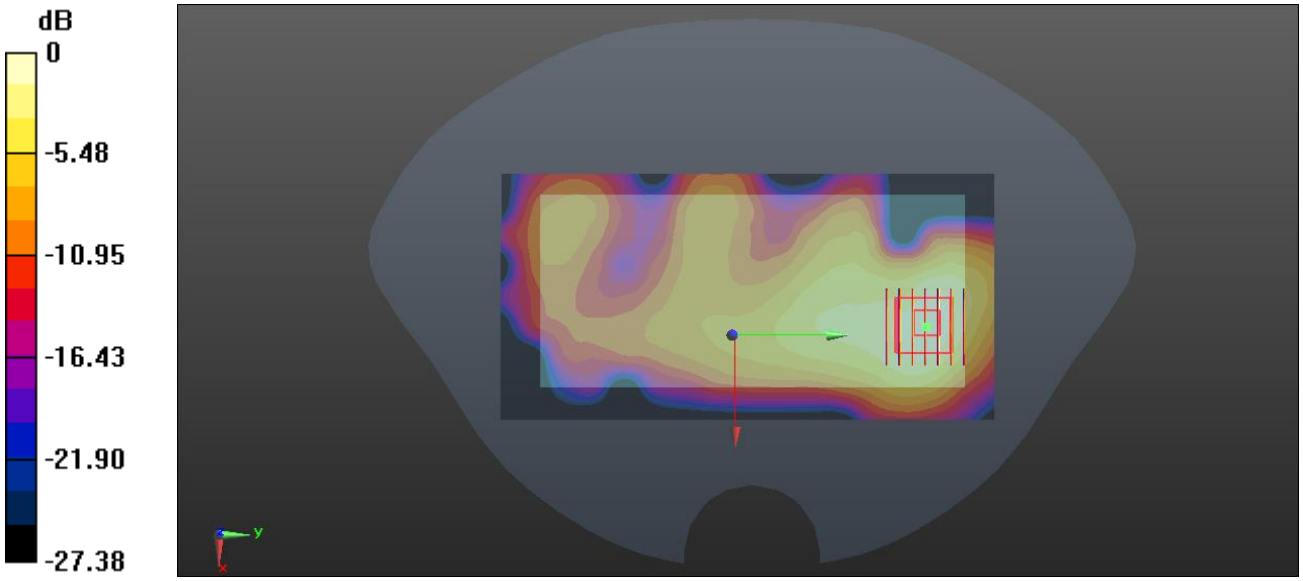
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.629 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.778 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.200 W/kg

Maximum value of SAR (measured) = 0.447 W/kg



0 dB = 0.447 W/kg

61-Right Head with Tilt on 354000 Channel in N66 mode with Antenna 1

Date: 2022.01.21

Communication System Band: N66; Frequency: 1770 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1770 MHz; σ = 1.402 S/m; ε_r = 39.858; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch354000/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.748 W/kg

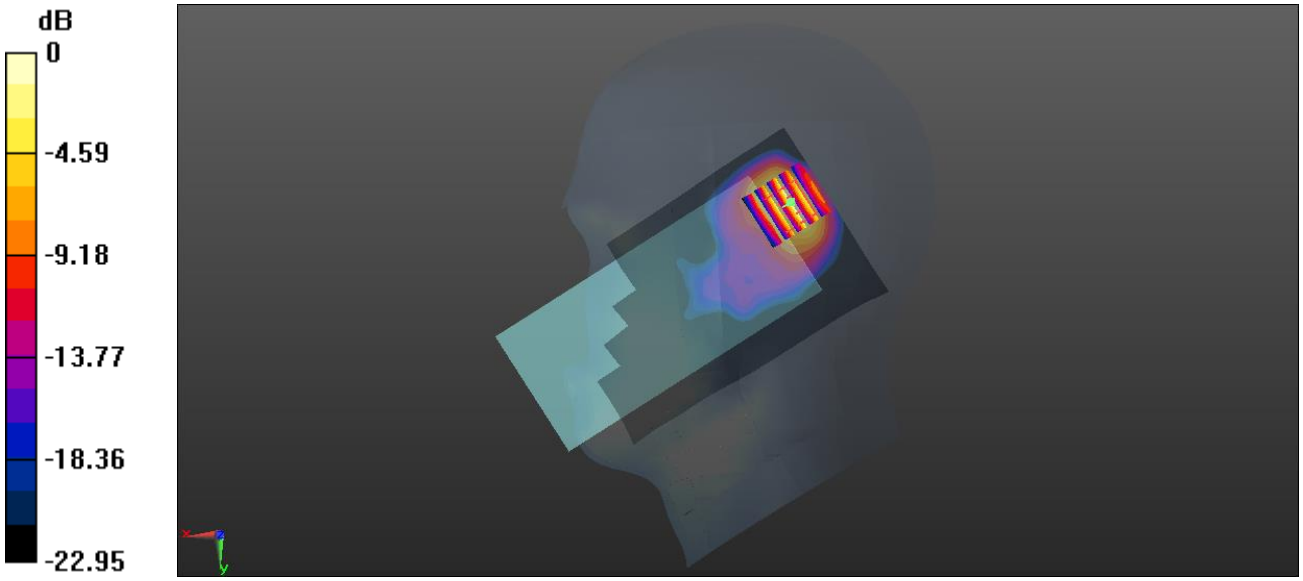
Ch354000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.593 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.299 W/kg

Maximum value of SAR (measured) = 0.785 W/kg



0 dB = 0.785 W/kg

62-Body Plane with Back Side 15mm on 344000 Channel in N66 mode with Antenna 0

Date: 2022.01.21

Communication System Band: N66; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.36 S/m; ε_r = 40.5; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch344000/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.266 W/kg

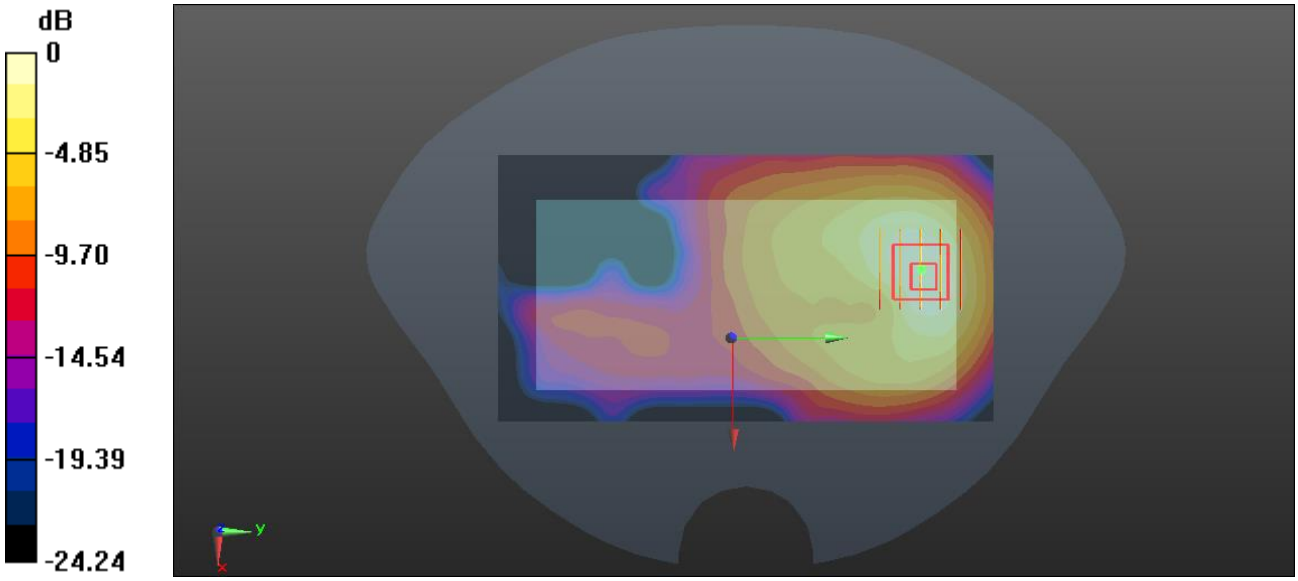
Ch344000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.632 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg

63-Body Plane with Bottom Edge 10mm on 349000 Channel in N66 mode with Antenna 0

Date: 2022.01.21

Communication System Band: N66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.378 S/m; ε_r = 40.179; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch349000/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.691 W/kg

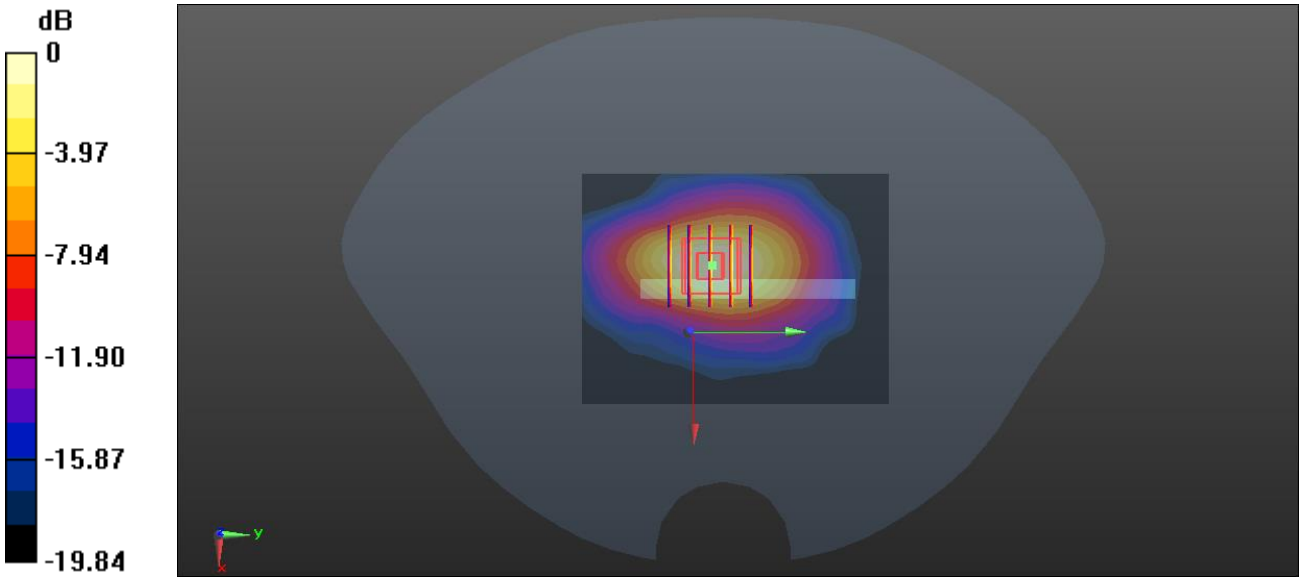
Ch349000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.87 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.957 W/kg

SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 0.642 W/kg



0 dB = 0.642 W/kg

64-Left Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna MIMO

Date: 2022.01.31

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.01

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.791 S/m; ε_r = 39.489; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.676 W/kg

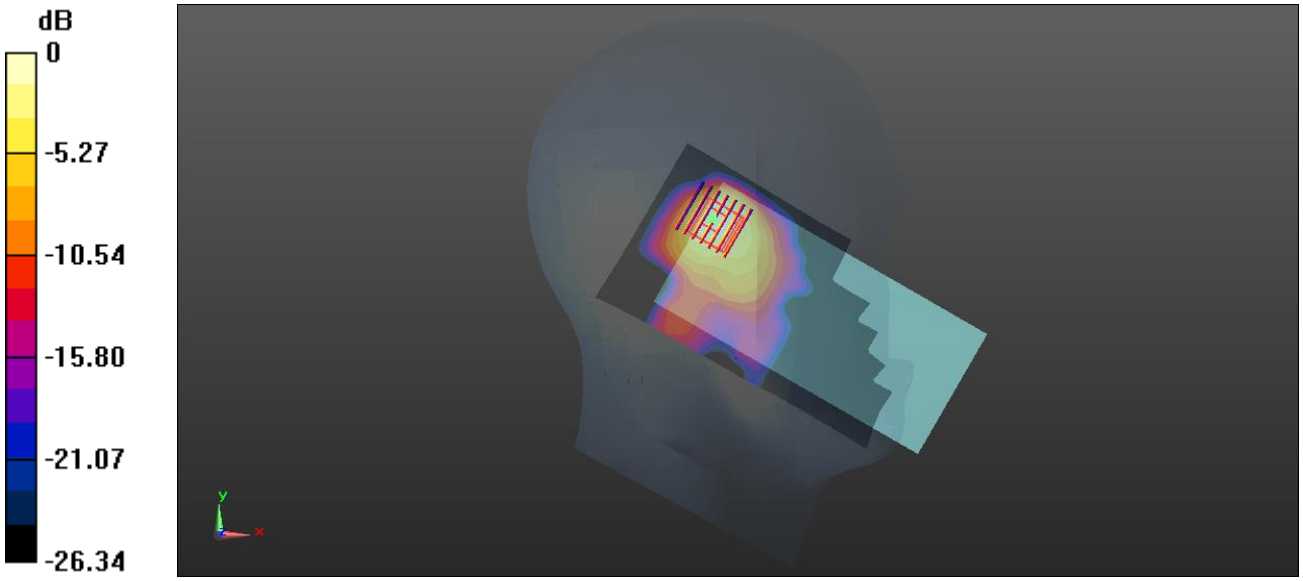
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.19 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.617 W/kg



0 dB = 0.617 W/kg

65-Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b mode with Antenna MIMO

Date: 2022.01.31

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.01

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.791 S/m; ε_r = 39.489; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.177 W/kg

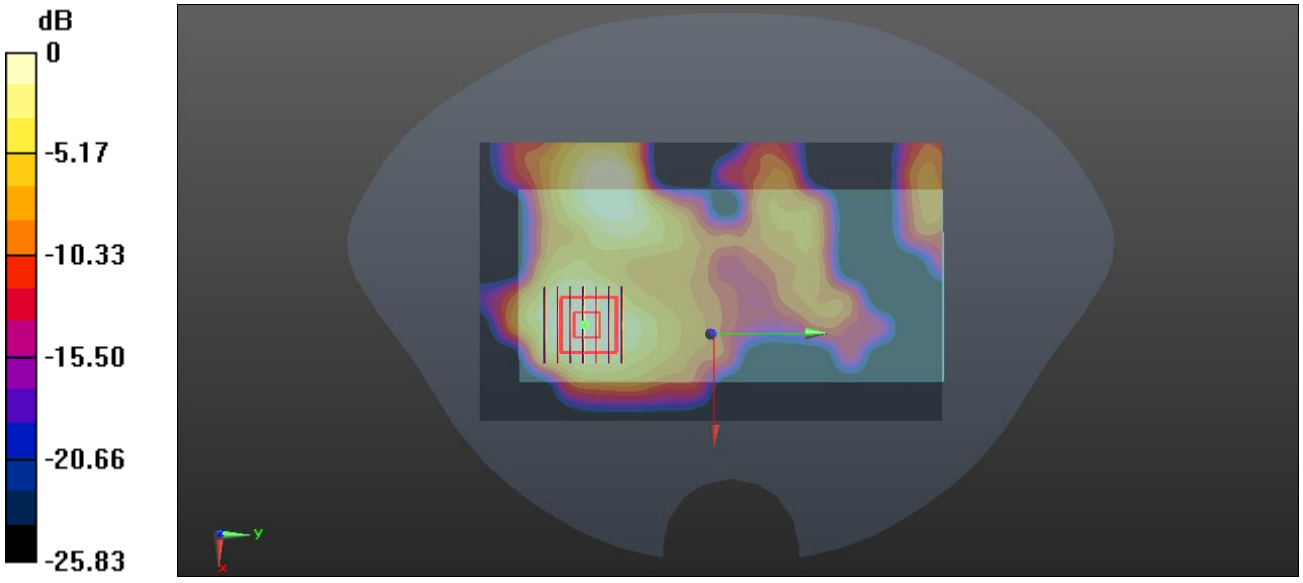
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.186 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.067 W/kg

Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg

66-Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b mode with Antenna MIMO

Date: 2022.01.31

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.01

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.791 S/m; ε_r = 39.489; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.322 W/kg

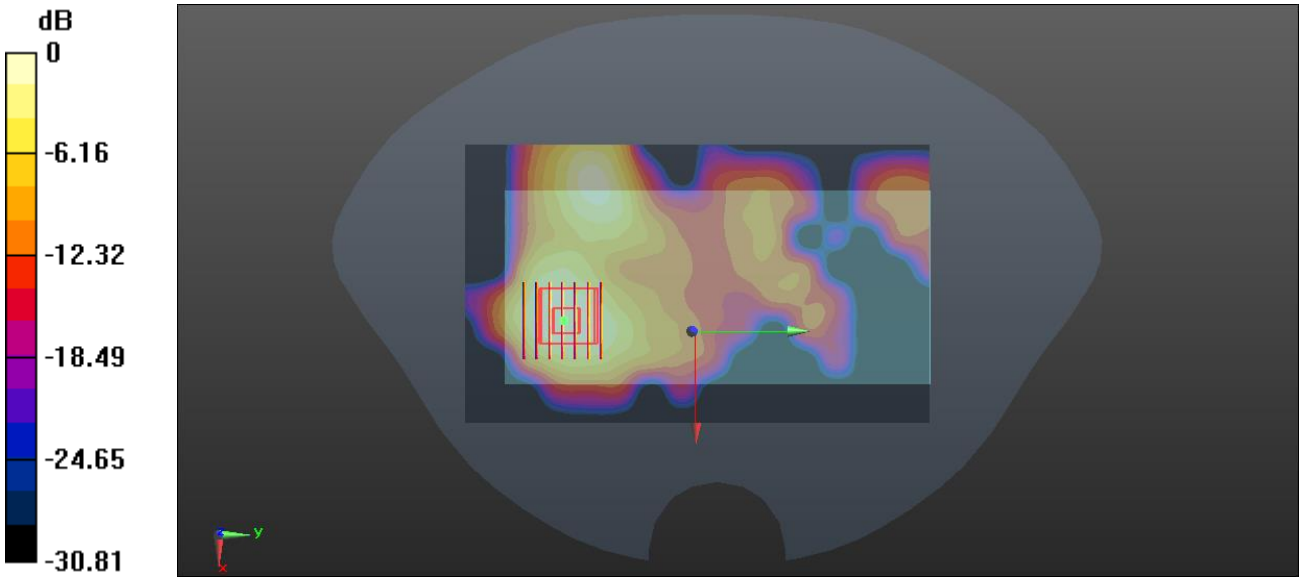
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.627 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.543 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.302 W/kg

67-Left Head with Tilt on 58 Channel in IEEE802.11ac80 mode with Antenna 8

Date: 2022.02.01

Communication System Band: WLAN(ac80); Frequency: 5290 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.678 S/m; ε_r = 36.396; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

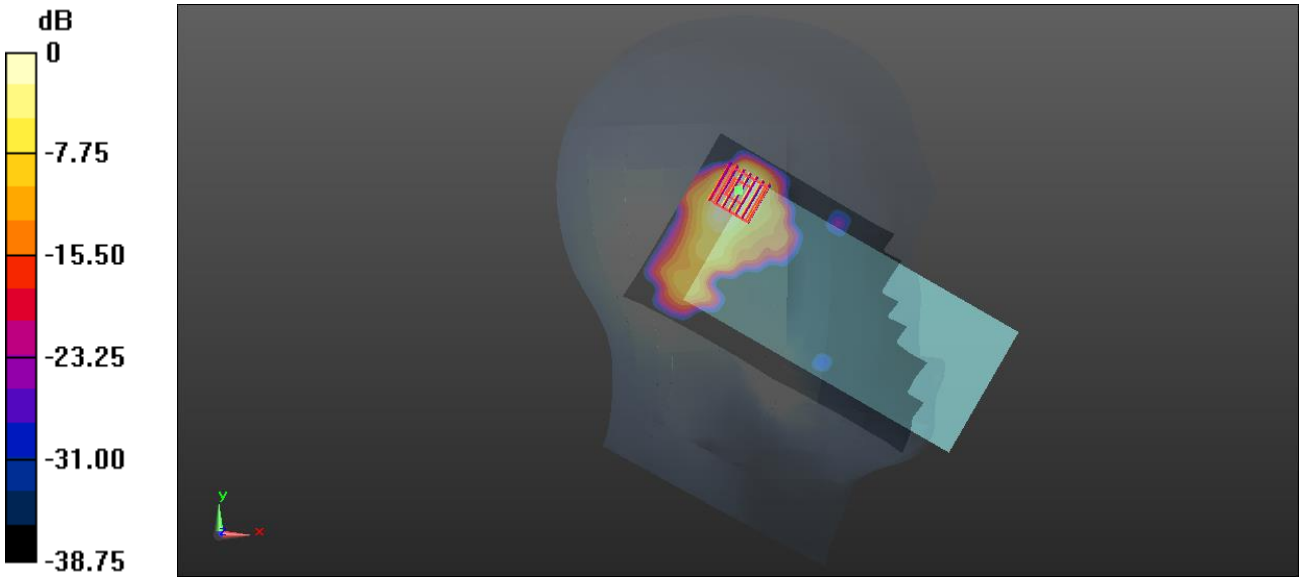
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.771 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg

68-Left Head with Tilt on 114 Channel in IEEE802.11ac160 mode with Antenna 8

Date: 2022.02.03

Communication System Band: WLAN(ac160); Frequency: 5570 MHz;Duty Cycle: 1:1.009

Medium parameters used (interpolated): f = 5570 MHz; σ = 4.86 S/m; ε_r = 36.951; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.8

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch114/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

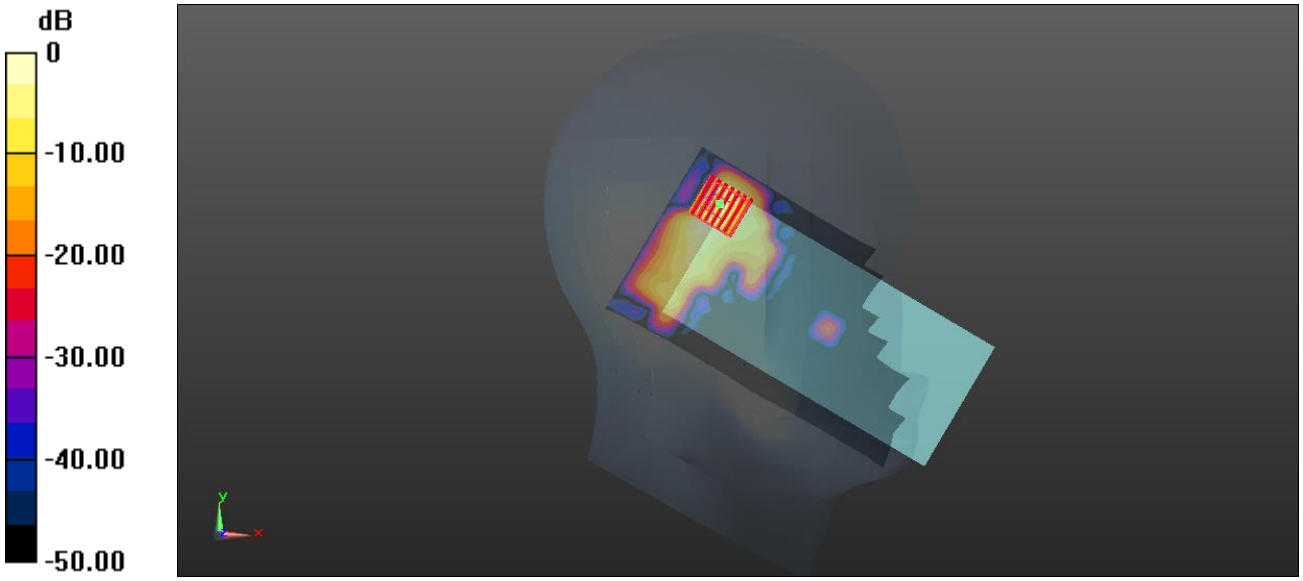
Ch114/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.230 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.96 W/kg

SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg

69-Left Head with Tilt on 155 Channel in IEEE802.11ac80 mode with Antenna MIMO

Date: 2022.02.05

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.417 S/m; ε_r = 34.933; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.38 W/kg

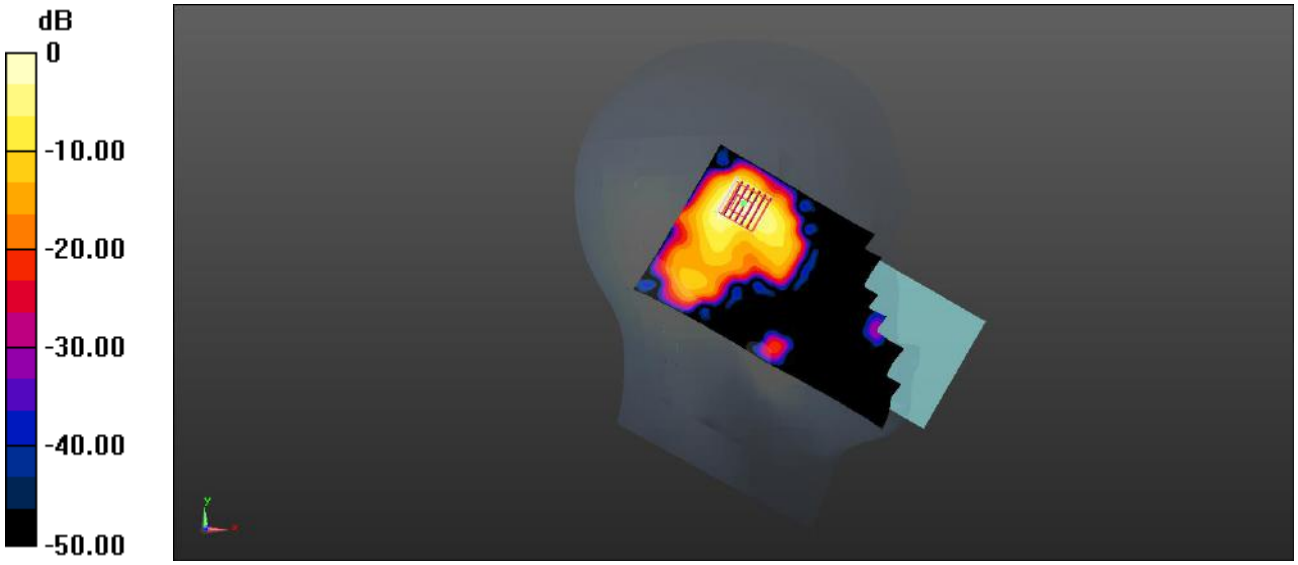
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.943 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.53 W/kg

70-Body Plane with Back Side 15mm on 58 Channel in IEEE802.11ac80 mode with Antenna MIMO

Date: 2022.02.01

Communication System Band: WLAN(ac80); Frequency: 5290 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.678 S/m; ε_r = 36.396; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.36 W/kg

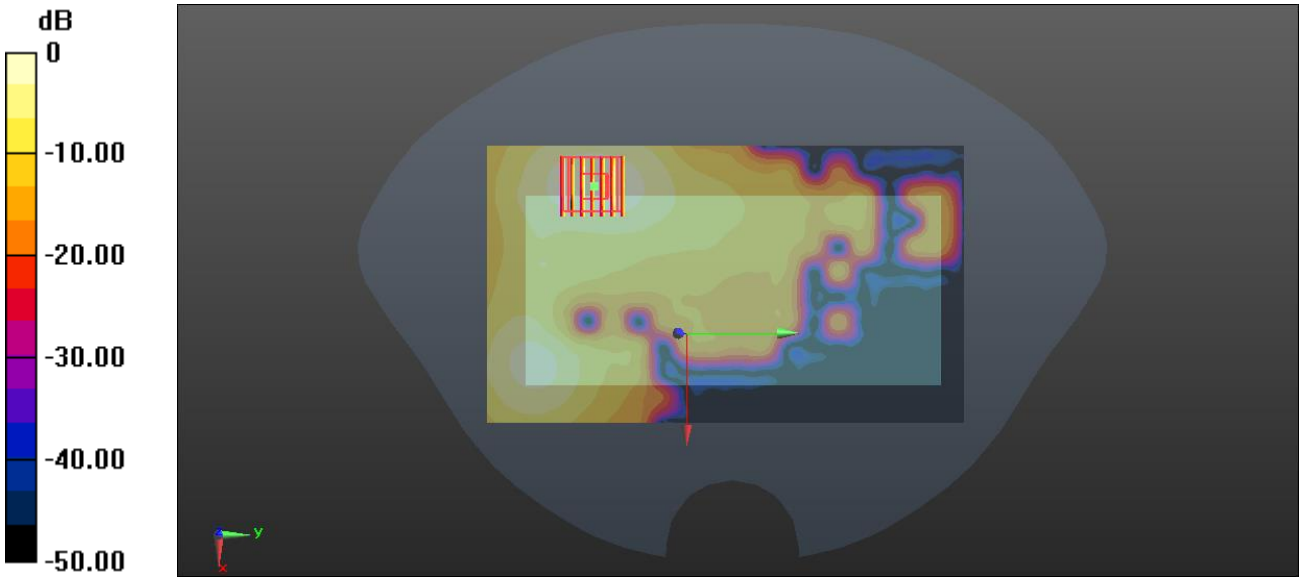
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.944 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.278 W/kg

Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg

71-Body Plane with Back Side 15mm on 114 Channel in IEEE802.11ac160 mode with Antenna MIMO

Date: 2022.02.03

Communication System Band: WLAN(ac160); Frequency: 5570 MHz;Duty Cycle: 1:1.009

Medium parameters used (interpolated): f = 5570 MHz; σ = 4.86 S/m; ε_r = 36.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.8

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch114/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.15 W/kg

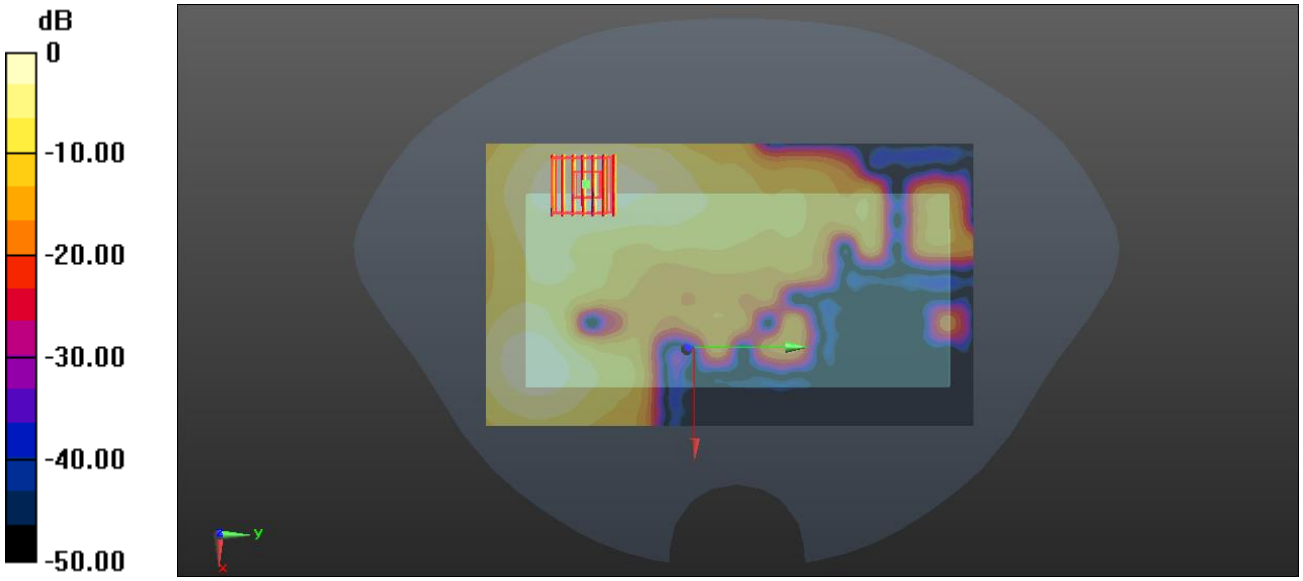
Ch114/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.446 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg

72-Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna MIMO

Date: 2022.02.05

Communication System Band: WLAN(ac80); Frequency: 5775 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.417 S/m; ε_r = 34.933; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.20 W/kg

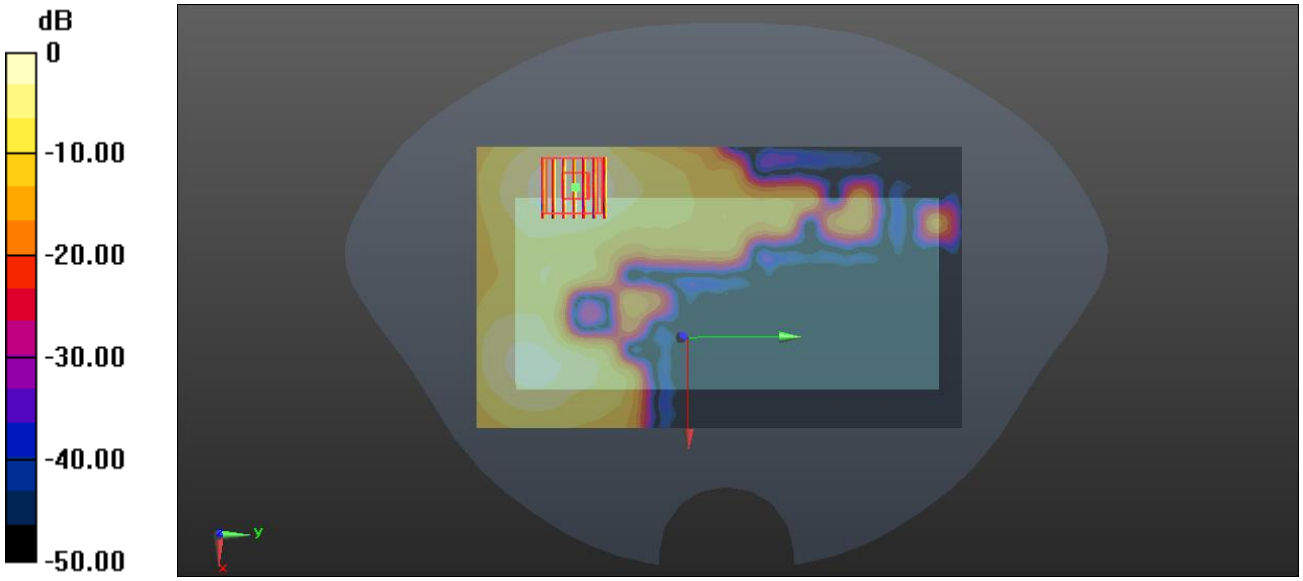
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg

73-Body Plane with Top Edge 10mm on 42 Channel in IEEE802.11ac80 mode with Antenna MIMO

Date: 2022.02.01

Communication System Band: WLAN(ac80); Frequency: 5210 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 5210 MHz; σ = 4.58 S/m; ε_r = 36.79; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch42/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.660 W/kg

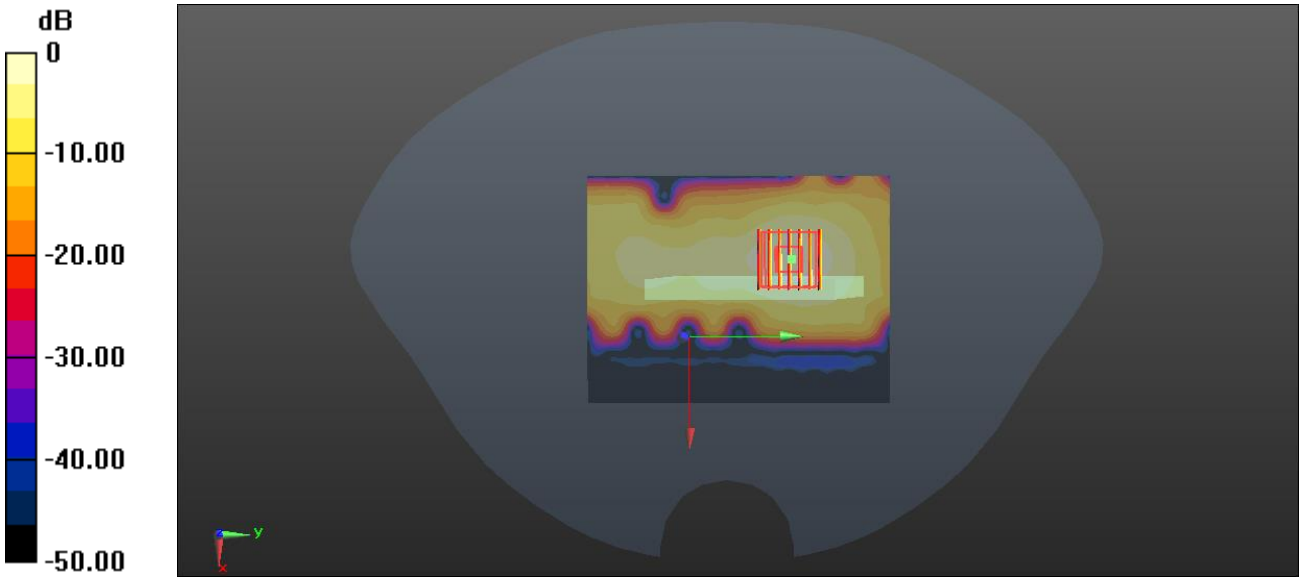
Ch42/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.765 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.664 W/kg



0 dB = 0.664 W/kg

74-Body Plane with Top Edge 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna MIMO

Date: 2022.02.05

Communication System Band: WLAN(ac80); Frequency: 5775 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.417 S/m; ε_r = 34.933; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.729 W/kg

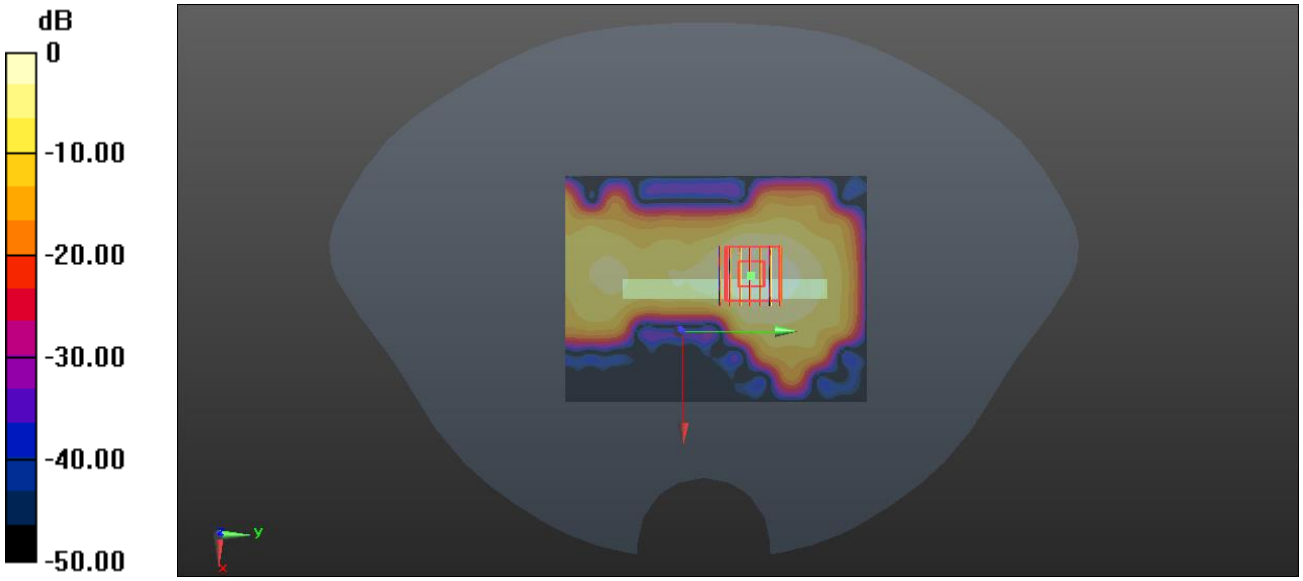
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.405 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.719 W/kg



0 dB = 0.719 W/kg

75-Body Plane with Right Edge 0mm on 58 Channel in IEEE802.11ac80 mode with Antenna MIMO

Date: 2022.02.01

Communication System Band: WLAN(ac80); Frequency: 5290 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.678 S/m; ε_r = 36.396; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (61x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.7 W/kg

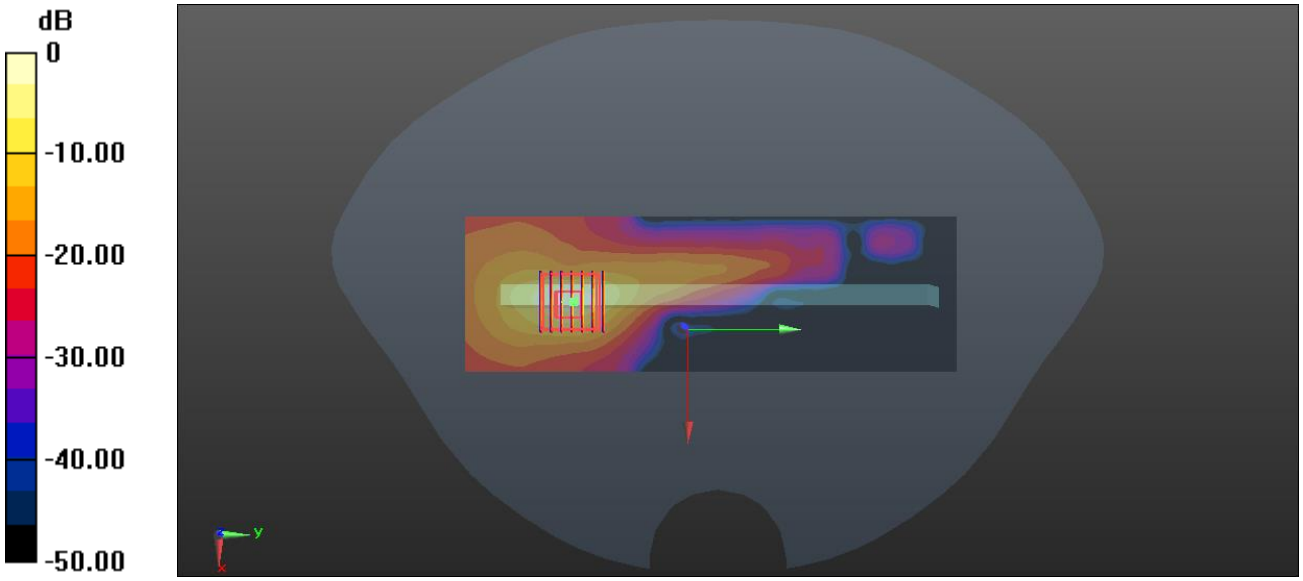
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.490 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 55.6 W/kg

SAR(1 g) = 8.3 W/kg; SAR(10 g) = 1.88 W/kg

Maximum value of SAR (measured) = 21.8 W/kg



0 dB = 21.8 W/kg

76-Body Plane with Top Edge 0mm on 114 Channel in IEEE802.11ac160 mode with Antenna MIMO

Date: 2022.02.03

Communication System Band: WLAN(ac160); Frequency: 5570 MHz;Duty Cycle: 1:1.009

Medium parameters used (interpolated): f = 5570 MHz; σ = 4.86 S/m; ε_r = 36.951; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.8

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch114/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.0 W/kg

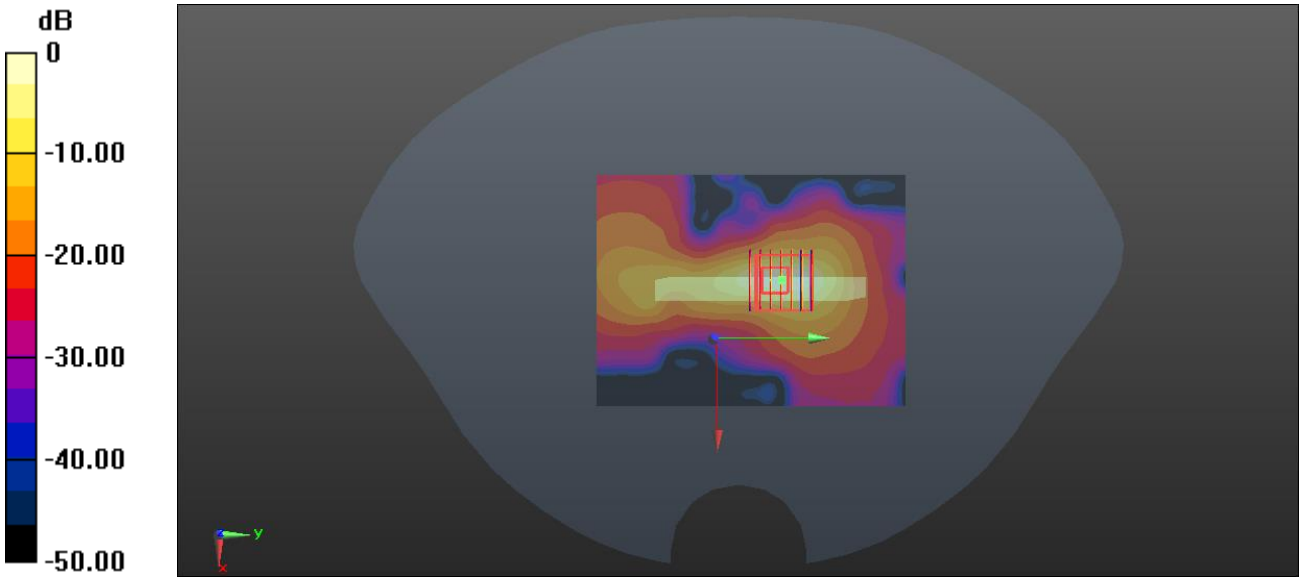
Ch114/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 19.77 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 43.1 W/kg

SAR(1 g) = 7.99 W/kg; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (measured) = 21.4 W/kg



0 dB = 21.4 W/kg

77-Body Plane with Top Edge 0mm on 155 Channel in IEEE802.11ac80 mode with Antenna MIMO

Date: 2022.02.05

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.013

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.417 S/m; ε_r = 34.933; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (91x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 12.4 W/kg

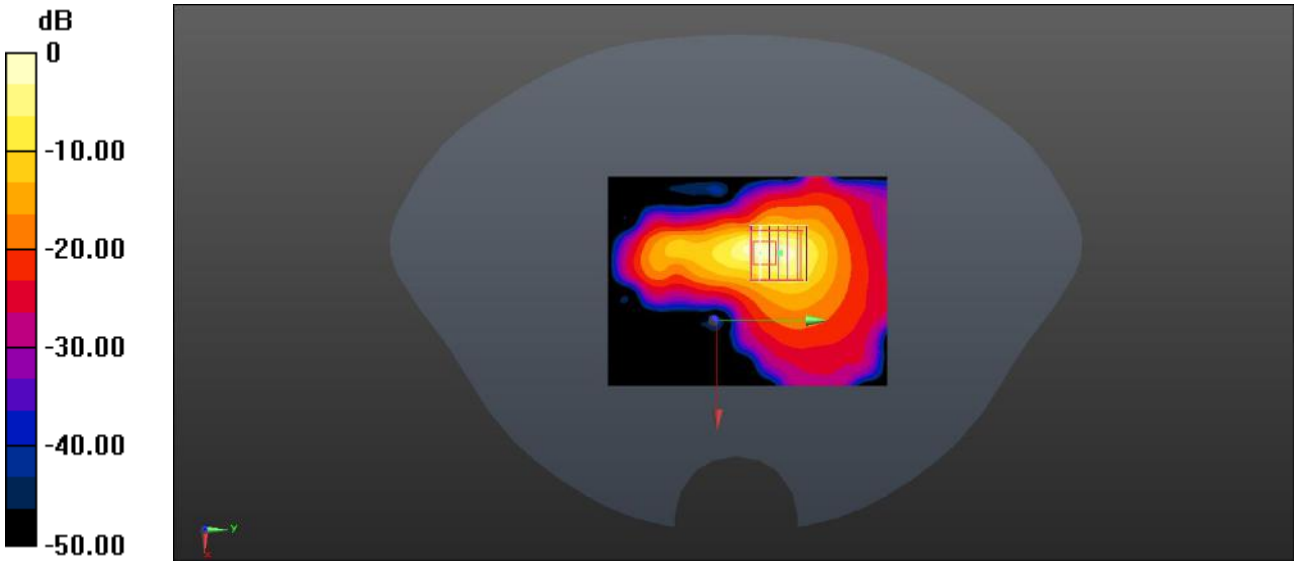
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.645 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 42.7 W/kg

SAR(1 g) = 6.69 W/kg; SAR(10 g) = 1.80 W/kg

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg

78-Left Head with Cheek on 0 Channel in Bluetooth mode with Antenna 8

Date: 2022.01.31

Communication System Band: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.31

Medium parameters used (interpolated): f = 2402 MHz; σ = 1.744 S/m; ε_r = 39.969; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.524 W/kg

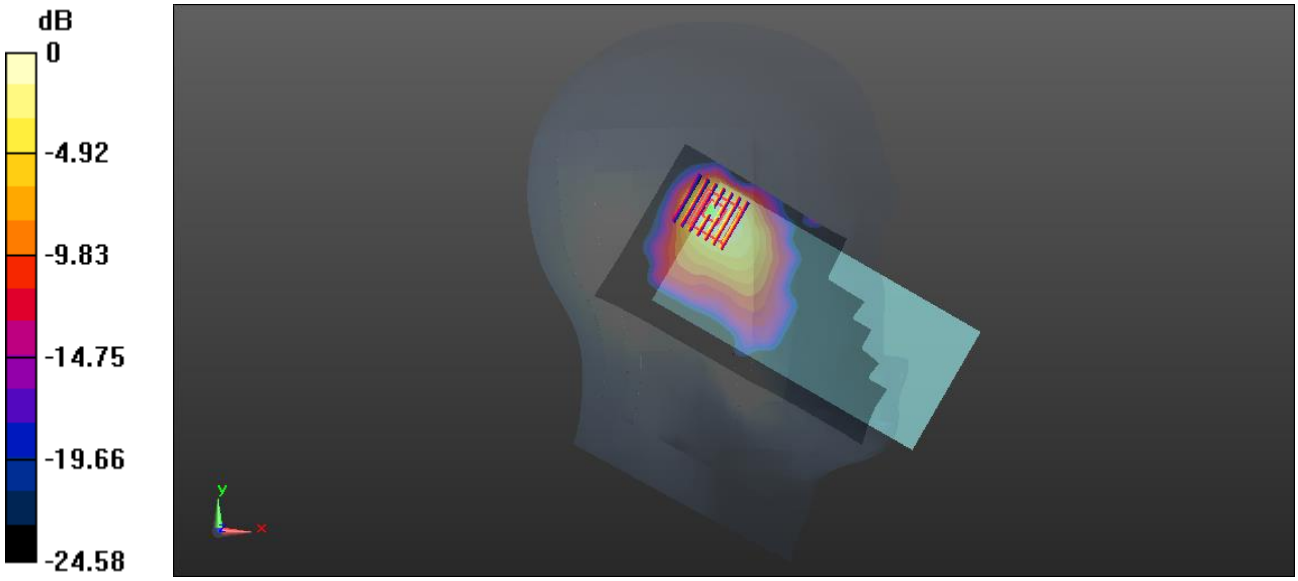
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.344 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.916 W/kg

SAR(1 g) = 0.439 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.489 W/kg



0 dB = 0.489 W/kg

79-Body Plane with Back Side 15mm on 0 Channel in Bluetooth mode with Antenna 8

Date: 2022.01.31

Communication System Band: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.31

Medium parameters used (interpolated): f = 2402 MHz; σ = 1.744 S/m; ε_r = 39.969; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0657 W/kg

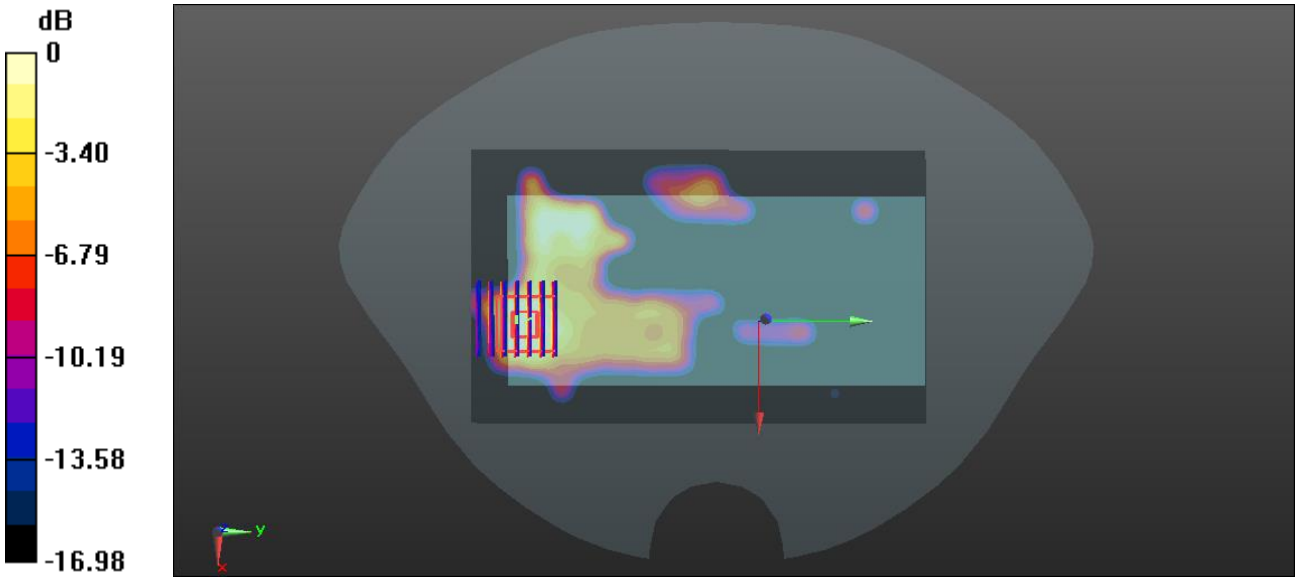
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.341 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.0730 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0427 W/kg



0 dB = 0.0427 W/kg

80-Body Plane with Back Side 10mm on 0 Channel in Bluetooth mode with Antenna 8

Date: 2022.01.31

Communication System Band: Bluetooth; Frequency: 2402 MHz;Duty Cycle: 1:1.31

Medium parameters used (interpolated): f = 2402 MHz; σ = 1.744 S/m; ε_r = 39.969; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:21.9 Liquid Temperature:21.1

DASY5Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch0/Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0944 W/kg

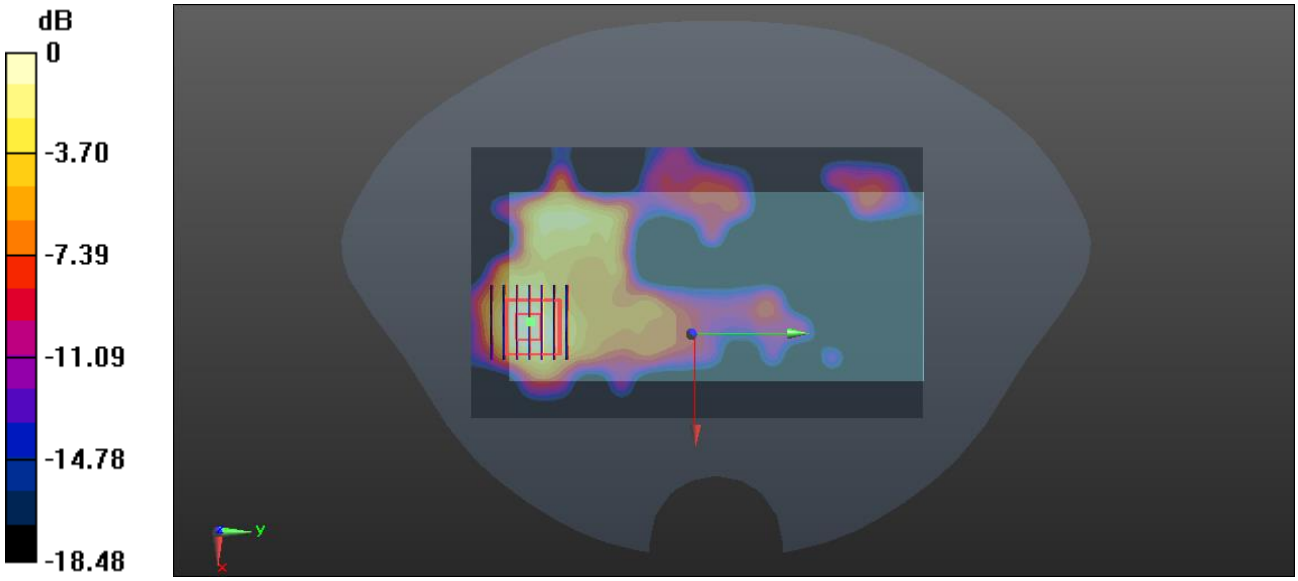
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.699 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.037 W/kg

Maximum value of SAR (measured) = 0.0921 W/kg



0 dB = 0.0921 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ21C0926-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ21C0926-AS.pdf”.

ANNEX F CALIBRATION REPORT

ANNEX G Please refer the document “CALIBRATION REPORT.pdf”.

--END OF REPORT--