TEST REPORT

Applicant:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address:	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
Equipment Type:	Mobile Phone
Model Name:	CPH2359
Brand Name:	OPPO
FCC ID:	R9C-CPH2359
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g): 1.13 W/kg Body (1 g): 0.55 W/kg Hotspot (1 g): 1.19 W/kg Specific (10 g): 2.61 W/kg
Test Date:	Apr. 08, 2022 – May 07, 2022
Date of Issue:	May 19, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xu Rui **Checked by:** Zong Liyao **Approved by:** Wei Yanquan (Chief Engineer)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	May 19, 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, 1/F, Baisha Science and Technology Park, Shahe West Road, Nanshan District, ShenZhen, GuangDong Province, China
Phone Number	+86 755 6685 0100

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe West Road, Nanshan District, ShenZhen, GuangDong Province, 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, 1/F, Baisha Science and Technology Park, Shahe West Road, Nanshan District, ShenZhen, GuangDong Province, China

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.2 Manufacturer Information

Manufacturer	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.3 Factory Information

Factory	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	CPH2359
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS V12.1
Dimensions (Approx.)	160.0x73.4x7.67mm
Weight (Approx.)	179(with battery)

2.5 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	OPPO
	Model No.	BLP855
	Serial No.	N/A
	Capacitance	Rated: 2200mAh/17.02Wh Typical: 2250mAh/17.41Wh
	Rated Voltage	7.74V
	Limited Voltage	8.9 V
	Manufacturer	Dongguan NVT Technology Co., Ltd
Ancillary Equipment 2	Headset	
	Model No.	MH147
	Length (Approx.)	1.2 m

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA/HSPA+ Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17/26 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n5/n7/n38/n41 NSA(EN-DC): DC_5A_n7A, DC_7A_n5A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 and 802.11ax(HE20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) and 802.11ax(HE20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, SBAS, NFC
Note: The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA, LTE and NR, and both SIM share the same transmitting electro circuit, NV parameters, so only SIM1 was tested in this report.	

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

Operating Mode	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 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz	
	VHT20/40	2412 ~ 2462 MHz	
	802.11ax (HE20/40)	2412 ~ 2462 MHz	
	802.11a /n(HT20/HT40)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	

	/ac(VHT20/VHT40 /VHT80)	5470 ~ 5725 MHz
		5725 ~ 5850 MHz
	802.11ax (HE20/40/80)	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 D04	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
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	0.53	0.22	0.27	1.13	0.55	1.19
GSM 1900	0.78	0.41	**1.19**			
WCDMA Band 2	0.97	0.33	1.03			
WCDMA Band 4	0.73	0.29	0.76			
WCDMA Band 5	0.66	0.18	0.39			
LTE Band 2	1.03	0.36	0.95			
LTE Band 4	0.78	0.38	0.72			
LTE Band 5	0.72	0.16	0.33			
LTE Band 7	0.49	0.21	0.36			
LTE Band 12	0.71	0.26	0.25			
LTE Band 38	0.52	0.25	0.49			
LTE Band 41	0.38	0.19	0.36			
CA_7C	0.46	0.17	0.31			
CA_38C	0.52	0.25	0.48			
CA_41C	0.38	0.16	0.35			
NR 5	0.45	0.17	0.31			
NR 7	0.52	0.24	0.51			
NR 38	0.62	0.31	0.62			
NR 41	0.40	0.24	0.36			
2.4G WLAN	0.84	0.15	0.26			
5.2G WLAN	/	/	1.06			
5.3G WLAN	1.00	0.44	/			
5.6G WLAN	1.04	/	/			
5.8G WLAN	**1.13**	**0.55**	0.93			
Bluetooth	0.43	0.03	0.08			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

Note 1: The device supports both LTE Band 12 and Band 17. Since the supported frequency span for LTE Band 17 falls completely within the suppors frequency span for LTE Band 12, both LTE bands have the same target power, and both LTE bands share the same transmission path, therefore, SAR was only assessed for LTE bands 12.

Note 2: The device supports both LTE Band 5 and Band 26. Since the supported frequency span for LTE Band 26 falls completely within the suppors frequency span for LTE Band 5, both LTE bands have the same target power, and both LTE bands share the same transmission path, therefore, SAR was only assessed for LTE bands 5.

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
GSM 1900	**2.61**	2.61
WCDMA Band 2	2.46	
WCDMA Band 4	0.98	
LTE Band 2	1.97	
LTE Band 4	1.74	
NR 38	1.10	
5.2G WLAN	1.54	
5.3G WLAN	1.54	
5.6G WLAN	0.94	
5.8G WLAN	1.81	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

3.3.3 Highest Simultaneous SAR

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 1.19 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 2.61 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:

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

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

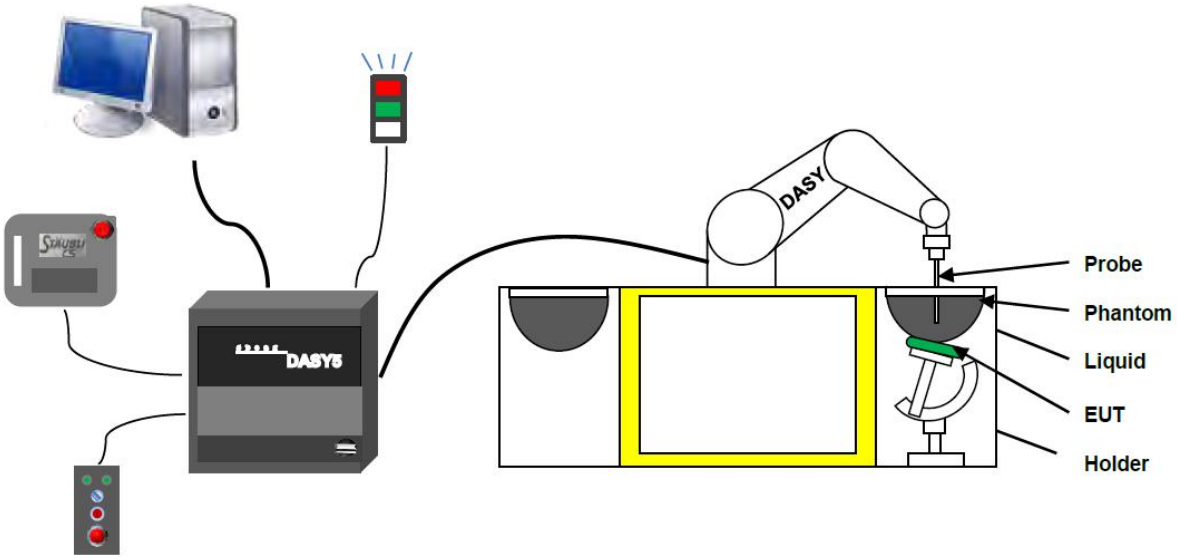
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

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:7663 with following specifications is used.

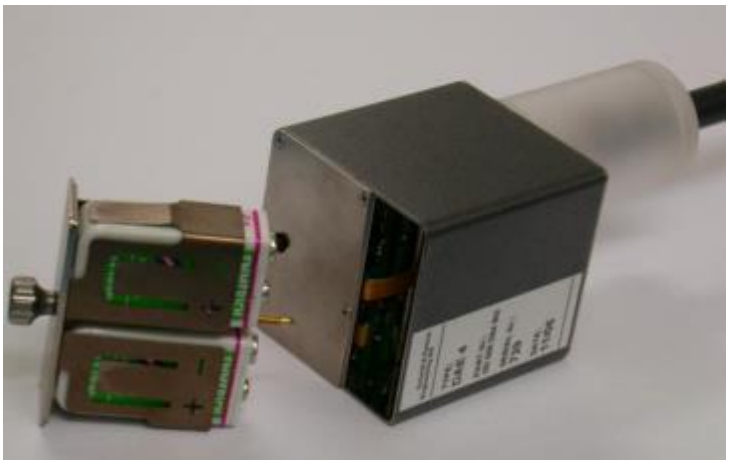
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

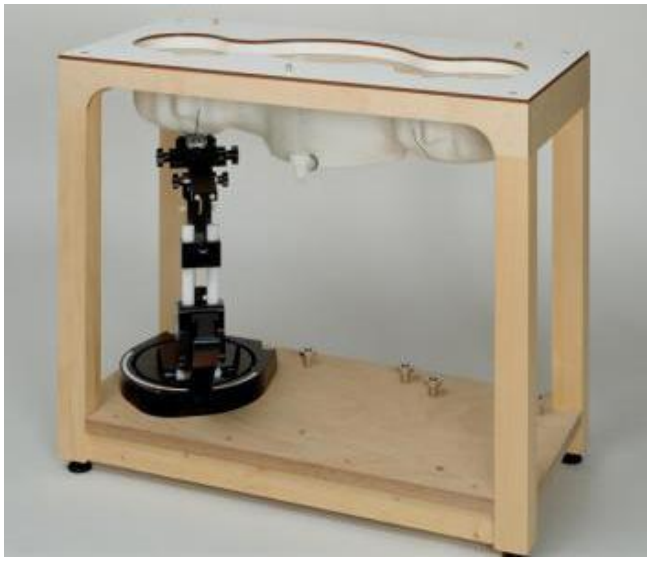
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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

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

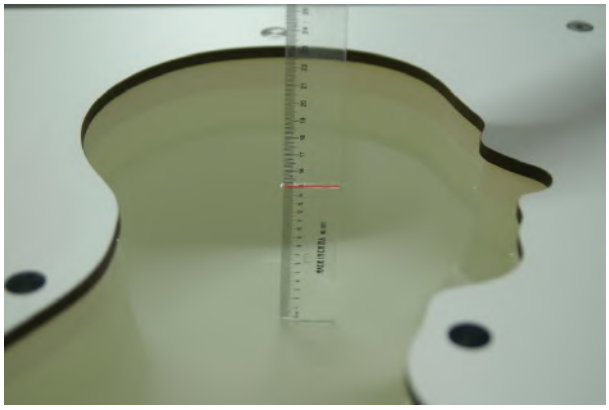
4.2.6 Device Holder

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	Permittivity

		(%)	(%)	σ (S/m)	ε
5200	78.60	21.40	/	5.54	47.86
5800	78.50	21.40	0.1	6.0	48.20

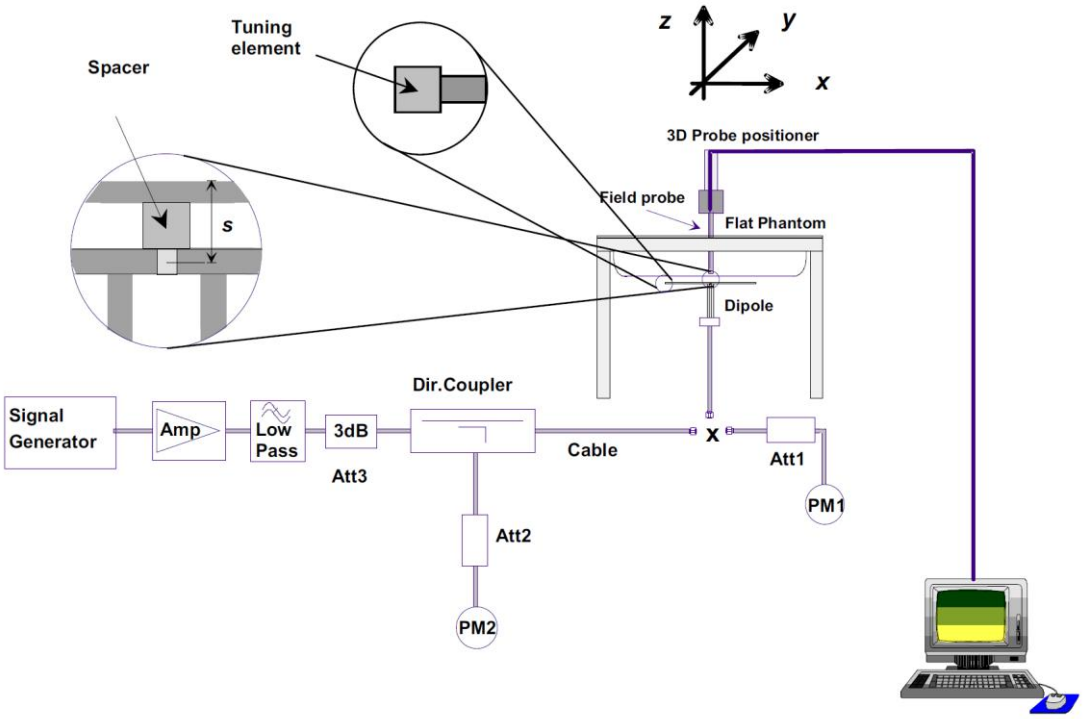
5 SYSTEM VERIFICATION

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

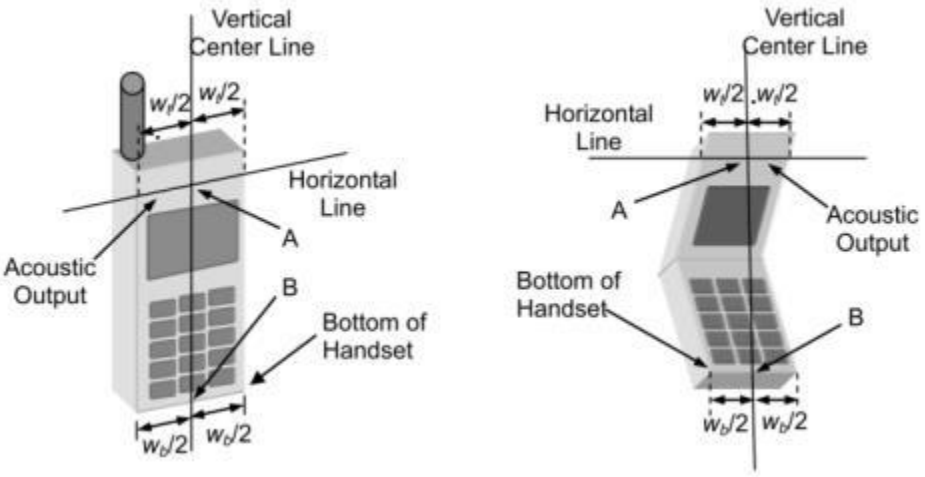
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

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.

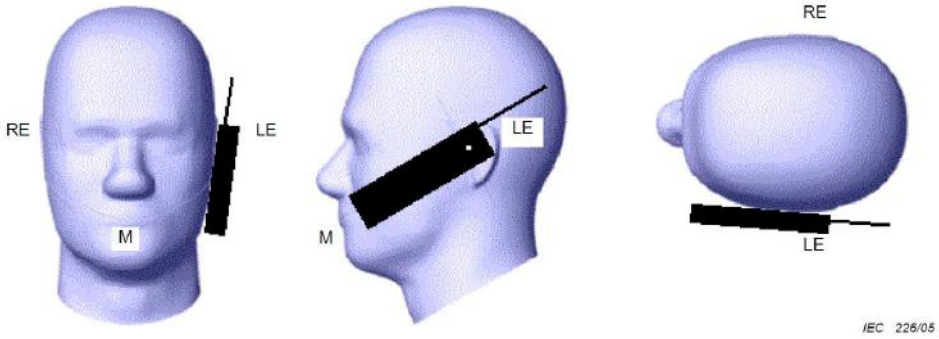
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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

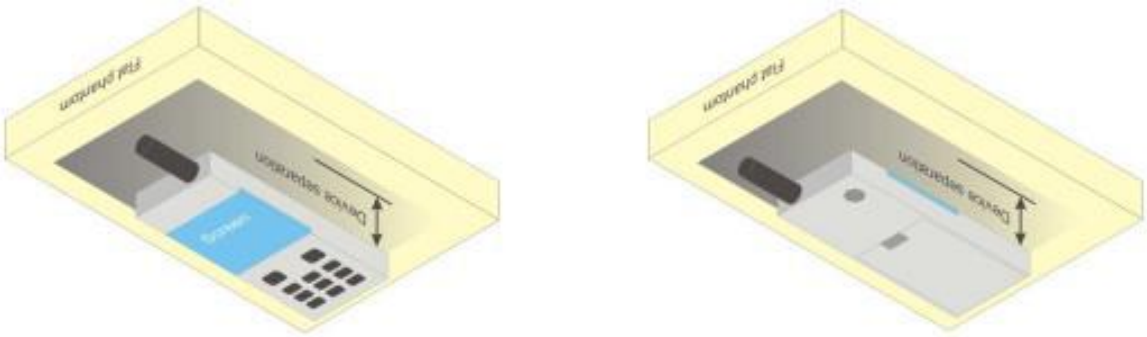
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

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.

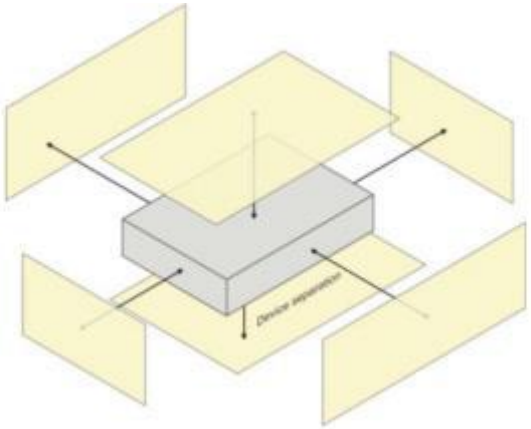
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. 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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6.

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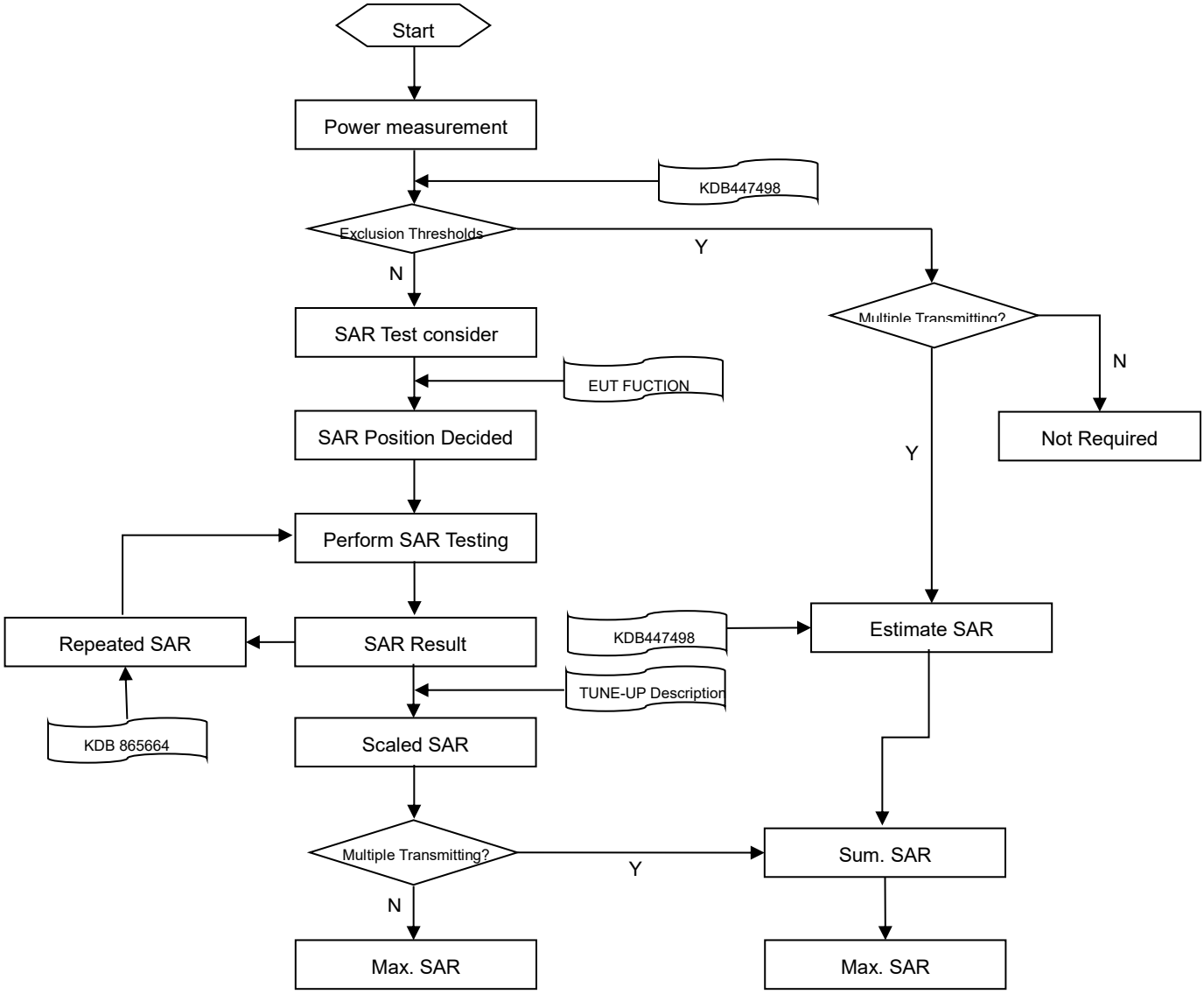
7 MEASUREMENT PROCEDURE

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="7">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="4">graded grid</td><td rowspan="3">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>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><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 NR

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

8.6 WIFI

8.6.1 2.4G WIFI Full power ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.78	16.00	No
		6	2437	15.95	16.00	No
		11	2462	15.78	16.00	No
	802.11g	1	2412	15.77	16.00	No
		6	2437	15.66	16.00	No
		11	2462	15.76	16.00	No
	802.11n(HT20)	1	2412	15.78	16.00	No
		6	2437	15.69	16.00	No
		11	2462	15.72	16.00	No
	802.11n(HT40)	3	2422	14.76	15.00	No
		6	2437	14.78	15.00	No
		9	2452	14.69	15.00	No
	VHT20	1	2412	15.72	16.00	No
		6	2437	15.75	16.00	No
		11	2462	15.72	16.00	No
	VHT40	3	2422	14.73	15.00	No
		6	2437	14.78	15.00	No
		9	2452	14.70	15.00	No
	802.11ax(HE20)	1	2412	15.67	16.00	No
		6	2437	15.74	16.00	No
		11	2462	15.48	16.00	No
	802.11ax(HE40)	3	2422	14.35	15.00	No
		6	2437	14.27	15.00	No
		9	2452	14.58	15.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (39.81mW/39.81mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.2 2.4G WIFI Level1 ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.78	16.00	Yes
		6	2437	**15.95**	16.00	Yes
		11	2462	15.78	16.00	Yes
	802.11g	1	2412	15.77	16.00	No
		6	2437	15.66	16.00	No
		11	2462	15.76	16.00	No
	802.11n(HT20)	1	2412	15.78	16.00	No
		6	2437	15.69	16.00	No
		11	2462	15.72	16.00	No
	802.11n(HT40)	3	2422	14.76	15.00	No
		6	2437	14.78	15.00	No
		9	2452	14.69	15.00	No
	VHT20	1	2412	15.72	16.00	No
		6	2437	15.75	16.00	No
		11	2462	15.72	16.00	No
	VHT40	3	2422	14.73	15.00	No
		6	2437	14.78	15.00	No
		9	2452	14.70	15.00	No
	802.11ax(HE20)	1	2412	15.67	16.00	No
		6	2437	15.74	16.00	No
		11	2462	15.48	16.00	No
	802.11ax(HE40)	3	2422	14.35	15.00	No
		6	2437	14.27	15.00	No
		9	2452	14.58	15.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (39.81mW/39.81mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.3 2.4G WIFI Level2 ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.33	14.00	Yes
		6	2437	**13.58**	14.00	Yes
		11	2462	13.33	14.00	Yes
	802.11g	1	2412	13.56	14.00	No
		6	2437	13.44	14.00	No
		11	2462	13.52	14.00	No
	802.11n(HT20)	1	2412	13.62	14.00	No
		6	2437	13.49	14.00	No
		11	2462	13.55	14.00	No
	802.11n(HT40)	3	2422	12.53	13.00	No
		6	2437	12.60	13.00	No
		9	2452	12.62	13.00	No
	VHT20	1	2412	13.57	14.00	No
		6	2437	13.56	14.00	No
		11	2462	13.58	14.00	No
	VHT40	3	2422	12.51	13.00	No
		6	2437	12.27	13.00	No
		9	2452	12.51	13.00	No
	802.11ax(HE20)	1	2412	13.54	14.00	No
		6	2437	13.57	14.00	No
		11	2462	13.65	14.00	No
	802.11ax(HE40)	3	2422	12.58	13.00	No
		6	2437	12.78	13.00	No
		9	2452	12.63	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/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (25.12mW/25.12mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.4 2.4G WIFI Level4&5 ANT2 (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.78	16.00	Yes
		6	2437	**15.95**	16.00	Yes
		11	2462	15.78	16.00	Yes
	802.11g	1	2412	15.77	16.00	No
		6	2437	15.66	16.00	No
		11	2462	15.76	16.00	No
	802.11n(HT20)	1	2412	15.78	16.00	No
		6	2437	15.69	16.00	No
		11	2462	15.72	16.00	No
	802.11n(HT40)	3	2422	14.76	15.00	No
		6	2437	14.78	15.00	No
		9	2452	14.69	15.00	No
	VHT20	1	2412	15.72	16.00	No
		6	2437	15.75	16.00	No
		11	2462	15.72	16.00	No
	VHT40	3	2422	14.73	15.00	No
		6	2437	14.78	15.00	No
		9	2452	14.70	15.00	No
	802.11ax(HE20)	1	2412	15.67	16.00	No
		6	2437	15.74	16.00	No
		11	2462	15.48	16.00	No
	802.11ax(HE40)	3	2422	14.35	15.00	No
		6	2437	14.27	15.00	No
		9	2452	14.58	15.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (39.81mW/39.81mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.5 2.4G WIFI Level4&5 ANT2 (Sensor on2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.78	16.00	Yes
		6	2437	**15.95**	16.00	Yes
		11	2462	15.78	16.00	Yes
	802.11g	1	2412	15.77	16.00	No
		6	2437	15.66	16.00	No
		11	2462	15.76	16.00	No
	802.11n(HT20)	1	2412	15.78	16.00	No
		6	2437	15.69	16.00	No
		11	2462	15.72	16.00	No
	802.11n(HT40)	3	2422	14.76	15.00	No
		6	2437	14.78	15.00	No
		9	2452	14.69	15.00	No
	VHT20	1	2412	15.72	16.00	No
		6	2437	15.75	16.00	No
		11	2462	15.72	16.00	No
	VHT40	3	2422	14.73	15.00	No
		6	2437	14.78	15.00	No
		9	2452	14.70	15.00	No
	802.11ax(HE20)	1	2412	15.67	16.00	No
		6	2437	15.74	16.00	No
		11	2462	15.48	16.00	No
	802.11ax(HE40)	3	2422	14.35	15.00	No
		6	2437	14.27	15.00	No
		9	2452	14.58	15.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (39.81mW/39.81mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.6 2.4G WIFI Full power ANT7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.73	16.00	No
		6	2437	15.88	16.00	No
		11	2462	15.87	16.00	No
	802.11g	1	2412	15.88	16.00	No
		6	2437	15.87	16.00	No
		11	2462	15.79	16.00	No
	802.11n(HT20)	1	2412	15.79	16.00	No
		6	2437	15.81	16.00	No
		11	2462	15.88	16.00	No
	802.11n(HT40)	3	2422	14.74	15.00	No
		6	2437	14.84	15.00	No
		9	2452	14.92	15.00	No
	VHT20	1	2412	15.75	16.00	No
		6	2437	15.90	16.00	No
		11	2462	15.75	16.00	No
	VHT40	3	2422	14.91	15.00	No
		6	2437	14.88	15.00	No
		9	2452	14.75	15.00	No
	802.11ax(HE20)	1	2412	15.38	16.00	No
		6	2437	15.45	16.00	No
		11	2462	15.68	16.00	No
	802.11ax(HE40)	3	2422	14.28	15.00	No
		6	2437	14.53	15.00	No
		9	2452	14.46	15.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (39.81mW/39.81mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.7 2.4G WIFI Level1 ANT7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.73	16.00	Yes
		6	2437	**15.88**	16.00	Yes
		11	2462	15.87	16.00	Yes
	802.11g	1	2412	15.88	16.00	No
		6	2437	15.87	16.00	No
		11	2462	15.79	16.00	No
	802.11n(HT20)	1	2412	15.79	16.00	No
		6	2437	15.81	16.00	No
		11	2462	15.88	16.00	No
	802.11n(HT40)	3	2422	14.74	15.00	No
		6	2437	14.84	15.00	No
		9	2452	14.92	15.00	No
	VHT20	1	2412	15.75	16.00	No
		6	2437	15.90	16.00	No
		11	2462	15.75	16.00	No
	VHT40	3	2422	14.91	15.00	No
		6	2437	14.88	15.00	No
		9	2452	14.75	15.00	No
	802.11ax(HE20)	1	2412	15.38	16.00	No
		6	2437	15.45	16.00	No
		11	2462	15.68	16.00	No
	802.11ax(HE40)	3	2422	14.28	15.00	No
		6	2437	14.53	15.00	No
		9	2452	14.46	15.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (39.81mW/39.81mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.8 2.4G WIFI Level2 ANT7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.81	14.00	Yes
		6	2437	**13.90**	14.00	Yes
		11	2462	13.72	14.00	Yes
	802.11g	1	2412	13.77	14.00	No
		6	2437	13.58	14.00	No
		11	2462	13.58	14.00	No
	802.11n(HT20)	1	2412	13.74	14.00	No
		6	2437	13.57	14.00	No
		11	2462	13.60	14.00	No
	802.11n(HT20)	3	2422	12.59	13.00	No
		6	2437	12.67	13.00	No
		9	2452	12.66	13.00	No
	VHT20	1	2412	13.63	14.00	No
		6	2437	13.74	14.00	No
		11	2462	13.75	14.00	No
	VHT40	3	2422	12.58	13.00	No
		6	2437	12.65	13.00	No
		9	2452	12.59	13.00	No
	802.11ax(HE20)	1	2412	13.54	14.00	No
		6	2437	13.28	14.00	No
		11	2462	13.38	14.00	No
	802.11ax(HE40)	3	2422	12.57	13.00	No
		6	2437	12.68	13.00	No
		9	2452	12.51	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/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (25.12mW/25.12mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.9 2.4G WIFI Level3 ANT7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.90	12.00	Yes
		6	2437	**11.92**	12.00	Yes
		11	2462	11.90	12.00	Yes
	802.11g	1	2412	11.77	12.00	No
		6	2437	11.76	12.00	No
		11	2462	11.80	12.00	No
	802.11n(HT20)	1	2412	11.75	12.00	No
		6	2437	11.94	12.00	No
		11	2462	11.88	12.00	No
	802.11n(HT40)	3	2422	10.94	11.00	No
		6	2437	10.79	11.00	No
		9	2452	10.84	11.00	No
	VHT20	1	2412	11.88	12.00	No
		6	2437	11.91	12.00	No
		11	2462	11.91	12.00	No
	VHT40	3	2422	10.91	11.00	No
		6	2437	10.91	11.00	No
		9	2452	10.87	11.00	No
	802.11ax(HE20)	1	2412	11.35	12.00	No
		6	2437	11.28	12.00	No
		11	2462	11.37	12.00	No
	802.11ax(HE40)	3	2422	10.57	11.00	No
		6	2437	10.84	11.00	No
		9	2452	10.73	11.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (15.85mW/15.85mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.10 2.4G WIFI Level4&5&6 ANT7 (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.73	16.00	Yes
		6	2437	**15.88**	16.00	Yes
		11	2462	15.87	16.00	Yes
	802.11g	1	2412	15.88	16.00	No
		6	2437	15.87	16.00	No
		11	2462	15.79	16.00	No
	802.11n(HT20)	1	2412	15.79	16.00	No
		6	2437	15.81	16.00	No
		11	2462	15.88	16.00	No
	802.11n(HT40)	3	2422	14.74	15.00	No
		6	2437	14.84	15.00	No
		9	2452	14.92	15.00	No
	VHT20	1	2412	15.75	16.00	No
		6	2437	15.90	16.00	No
		11	2462	15.75	16.00	No
	VHT40	3	2422	14.91	15.00	No
		6	2437	14.88	15.00	No
		9	2452	14.75	15.00	No
	802.11ax(HE20)	1	2412	15.38	16.00	No
		6	2437	15.45	16.00	No
		11	2462	15.68	16.00	No
	802.11ax(HE40)	3	2422	14.28	15.00	No
		6	2437	14.53	15.00	No
		9	2452	14.46	15.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (39.81mW/39.81mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.11 2.4G WIFI Level4&5 ANT7 (Sensor on2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	15.73	16.00	Yes
		6	2437	**15.88**	16.00	Yes
		11	2462	15.87	16.00	Yes
	802.11g	1	2412	15.88	16.00	No
		6	2437	15.87	16.00	No
		11	2462	15.79	16.00	No
	802.11n(HT20)	1	2412	15.79	16.00	No
		6	2437	15.81	16.00	No
		11	2462	15.88	16.00	No
	802.11n(HT40)	3	2422	14.74	15.00	No
		6	2437	14.84	15.00	No
		9	2452	14.92	15.00	No
	VHT20	1	2412	15.75	16.00	No
		6	2437	15.90	16.00	No
		11	2462	15.75	16.00	No
	VHT40	3	2422	14.91	15.00	No
		6	2437	14.88	15.00	No
		9	2452	14.75	15.00	No
	802.11ax(HE20)	1	2412	15.38	16.00	No
		6	2437	15.45	16.00	No
		11	2462	15.68	16.00	No
	802.11ax(HE40)	3	2422	14.28	15.00	No
		6	2437	14.53	15.00	No
		9	2452	14.46	15.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (39.81mW/39.81mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.12 2.4G WIFI Level6 ANT7 (Sensor on2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	14.88	15.00	Yes
		6	2437	14.86	15.00	Yes
		11	2462	**14.96**	15.00	Yes
	802.11g	1	2412	14.83	15.00	No
		6	2437	14.73	15.00	No
		11	2462	14.83	15.00	No
	802.11n(HT20)	1	2412	14.80	15.00	No
		6	2437	14.72	15.00	No
		11	2462	14.71	15.00	No
	802.11n(HT40)	3	2422	13.91	14.00	No
		6	2437	13.85	14.00	No
		9	2452	13.71	14.00	No
	VHT20	1	2412	14.76	15.00	No
		6	2437	14.86	15.00	No
		11	2462	14.77	15.00	No
	VHT40	3	2422	13.75	14.00	No
		6	2437	13.72	14.00	No
		9	2452	13.72	14.00	No
	802.11ax(HE20)	1	2412	14.56	15.00	No
		6	2437	14.78	15.00	No
		11	2462	14.86	15.00	No
	802.11ax(HE40)	3	2422	13.57	14.00	No
		6	2437	13.62	14.00	No
		9	2452	13.58	14.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (31.62mW/31.62mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.13 2.4G WIFI Full power MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.77	19.00	No
		6	2437	18.93	19.00	No
		11	2462	18.84	19.00	No
	802.11g	1	2412	18.72	19.00	No
		6	2437	18.79	19.00	No
		11	2462	18.73	19.00	No
	802.11n(HT20)	1	2412	18.80	19.00	No
		6	2437	18.81	19.00	No
		11	2462	18.72	19.00	No
	802.11n(HT40)	3	2422	17.75	18.00	No
		6	2437	17.74	18.00	No
		9	2452	17.67	18.00	No
	VHT20	1	2412	18.76	19.00	No
		6	2437	18.76	19.00	No
		11	2462	18.76	19.00	No
	VHT40	3	2422	17.80	18.00	No
		6	2437	17.76	18.00	No
		9	2452	17.80	18.00	No
	802.11ax(HE20)	1	2412	18.63	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.54	19.00	No
	802.11ax(HE40)	3	2422	17.56	18.00	No
		6	2437	17.46	18.00	No
		9	2452	17.53	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/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (79.43mW/79.43mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.14 2.4G WIFI Level1 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.77	19.00	Yes
		6	2437	**18.93**	19.00	Yes
		11	2462	18.84	19.00	Yes
	802.11g	1	2412	18.72	19.00	No
		6	2437	18.79	19.00	No
		11	2462	18.73	19.00	No
	802.11n(HT20)	1	2412	18.80	19.00	No
		6	2437	18.81	19.00	No
		11	2462	18.72	19.00	No
	802.11n(HT40)	3	2422	17.75	18.00	No
		6	2437	17.74	18.00	No
		9	2452	17.67	18.00	No
	VHT20	1	2412	18.76	19.00	No
		6	2437	18.76	19.00	No
		11	2462	18.76	19.00	No
	VHT40	3	2422	17.80	18.00	No
		6	2437	17.76	18.00	No
		9	2452	17.80	18.00	No
	802.11ax(HE20)	1	2412	18.63	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.54	19.00	No
	802.11ax(HE40)	3	2422	17.56	18.00	No
		6	2437	17.46	18.00	No
		9	2452	17.53	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/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (79.43mW/79.43mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.15 2.4G WIFI Level2 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	16.43	17.00	Yes
		6	2437	**16.55**	17.00	Yes
		11	2462	16.18	17.00	Yes
	802.11g	1	2412	16.42	17.00	No
		6	2437	16.45	17.00	No
		11	2462	16.50	17.00	No
	802.11n(HT20)	1	2412	16.47	17.00	No
		6	2437	16.41	17.00	No
		11	2462	16.46	17.00	No
	802.11n(HT40)	3	2422	16.42	17.00	No
		6	2437	16.41	17.00	No
		9	2452	16.48	17.00	No
	VHT20	1	2412	16.54	17.00	No
		6	2437	16.44	17.00	No
		11	2462	16.55	17.00	No
	VHT40	3	2422	16.44	17.00	No
		6	2437	16.52	17.00	No
		9	2452	16.52	17.00	No
	802.11ax(HE20)	1	2412	16.50	17.00	No
		6	2437	16.45	17.00	No
		11	2462	16.40	17.00	No
	802.11ax(HE40)	3	2422	16.64	17.00	No
		6	2437	16.70	17.00	No
		9	2452	16.73	17.00	No

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

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (50.12mW/50.12mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.16 2.4G WIFI Level4&5 MIMO (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.77	19.00	Yes
		6	2437	**18.93**	19.00	Yes
		11	2462	18.84	19.00	Yes
	802.11g	1	2412	18.72	19.00	No
		6	2437	18.79	19.00	No
		11	2462	18.73	19.00	No
	802.11n(HT20)	1	2412	18.80	19.00	No
		6	2437	18.81	19.00	No
		11	2462	18.72	19.00	No
	802.11n(HT40)	3	2422	17.75	18.00	No
		6	2437	17.74	18.00	No
		9	2452	17.67	18.00	No
	VHT20	1	2412	18.76	19.00	No
		6	2437	18.76	19.00	No
		11	2462	18.76	19.00	No
	VHT40	3	2422	17.80	18.00	No
		6	2437	17.76	18.00	No
		9	2452	17.80	18.00	No
	802.11ax(HE20)	1	2412	18.63	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.54	19.00	No
	802.11ax(HE40)	3	2422	17.56	18.00	No
		6	2437	17.46	18.00	No
		9	2452	17.53	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/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (79.43mW/79.43mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.17 2.4G WIFI Level4&5 MIMO (Sensor on2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	18.77	19.00	Yes
		6	2437	**18.93**	19.00	Yes
		11	2462	18.84	19.00	Yes
	802.11g	1	2412	18.72	19.00	No
		6	2437	18.79	19.00	No
		11	2462	18.73	19.00	No
	802.11n(HT20)	1	2412	18.80	19.00	No
		6	2437	18.81	19.00	No
		11	2462	18.72	19.00	No
	802.11n(HT40)	3	2422	17.75	18.00	No
		6	2437	17.74	18.00	No
		9	2452	17.67	18.00	No
	VHT20	1	2412	18.76	19.00	No
		6	2437	18.76	19.00	No
		11	2462	18.76	19.00	No
	VHT40	3	2422	17.80	18.00	No
		6	2437	17.76	18.00	No
		9	2452	17.80	18.00	No
	802.11ax(HE20)	1	2412	18.63	19.00	No
		6	2437	18.69	19.00	No
		11	2462	18.54	19.00	No
	802.11ax(HE40)	3	2422	17.56	18.00	No
		6	2437	17.46	18.00	No
		9	2452	17.53	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/VHT/ax) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n & over 802.11VHT over 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 = 0.842 * (79.43mW/79.43mW) = 0.842 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.18 5G WIFI Full power ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.78	16.50	No
		44	5220	15.90	16.50	No
		48	5240	16.07	16.50	No
	802.11n(HT20)	36	5180	16.02	16.50	No
		44	5220	16.11	16.50	No
		48	5240	15.99	16.50	No
	802.11n(HT40)	38	5190	16.44	16.50	No
		46	5230	16.12	16.50	No
	802.11ac(VHT20)	36	5180	15.98	16.50	No
		44	5220	16.01	16.50	No
		48	5240	16.25	16.50	No
	802.11ac(VHT40)	38	5190	16.06	16.50	No
		46	5230	16.08	16.50	No
	802.11ac(VHT80)	42	5210	14.61	15.00	No
	802.11ax(HE20)	36	5180	16.25	16.50	No
		40	5200	16.27	16.50	No
		48	5240	16.17	16.50	No
	802.11ax(HE40)	38	5190	16.32	16.50	No
		46	5230	16.29	16.50	No
	802.11ax(HE80)	42	5210	15.29	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	16.27	16.50	No
		60	5300	16.24	16.50	No
		64	5320	16.47	16.50	No
	802.11n(HT20)	52	5260	16.03	16.50	No
		60	5300	16.05	16.50	No
		64	5320	15.98	16.50	No
	802.11n(HT40)	54	5270	16.18	16.50	No
		62	5310	16.23	16.50	No
	802.11ac(VHT20)	52	5260	16.09	16.50	No
		60	5300	15.98	16.50	No
		64	5320	16.05	16.50	No
	802.11ac(VHT40)	54	5270	16.12	16.50	No
		62	5310	16.21	16.50	No
	802.11ac(VHT80)	58	5290	13.19	13.50	No
	802.11ax(HE20)	52	5260	16.19	16.50	No
		60	5300	16.32	16.50	No

		64	5320	16.19	16.50	No
	802.11ax(HE40)	54	5270	16.06	16.50	No
		62	5310	16.19	16.50	No
	802.11ax(HE80)	58	5290	12.63	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.06	16.50	No
		116	5580	16.05	16.50	No
		120	5600	16.06	16.50	No
		140	5700	16.33	16.50	No
		144	5720	16.30	16.50	No
	802.11n(HT20)	100	5500	16.27	16.50	No
		116	5580	16.41	16.50	No
		140	5700	16.33	16.50	No
		144	5720	16.18	16.50	No
	802.11n(HT40)	102	5510	16.45	16.50	No
		118	5590	16.23	16.50	No
		134	5670	16.19	16.50	No
		142	5710	16.23	16.50	No
	802.11ac(VHT20)	100	5500	16.18	16.50	No
		116	5580	16.35	16.50	No
		140	5700	16.30	16.50	No
		144	5720	16.38	16.50	No
	802.11ac(VHT40)	102	5510	16.43	16.50	No
		118	5590	16.39	16.50	No
		134	5670	16.27	16.50	No
		142	5710	16.27	16.50	No
	802.11ac(VHT80)	106	5530	16.30	16.50	No
		122	5610	16.47	16.50	No
	802.11ax(HE20)	100	5500	16.22	16.50	No
		116	5580	16.30	16.50	No
		140	5700	16.35	16.50	No
		144	5720	16.33	16.50	No
	802.11ax(HE40)	102	5510	16.20	16.50	No
		118	5590	16.41	16.50	No
		134	5670	16.36	16.50	No
		142	5710	16.24	16.50	No
	802.11ax(HE80)	106	5530	16.25	16.50	No
		122	5610	16.39	16.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.94	19.50	No
		157	5785	18.85	19.50	No

		165	5825	18.74	19.50	No
	802.11n(HT20)	149	5745	18.85	19.50	No
		157	5785	18.95	19.50	No
		165	5825	18.85	19.50	No
	802.11n(HT40)	151	5755	18.81	19.50	No
		159	5795	19.02	19.50	No
	802.11ac(VHT20)	149	5745	19.00	19.50	No
		157	5785	18.82	19.50	No
		165	5825	19.08	19.50	No
	802.11ac(VHT40)	151	5755	18.95	19.50	No
		159	5795	18.81	19.50	No
	802.11ac(VHT80)	155	5775	18.98	19.50	No
	802.11ax(HE20)	149	5745	18.91	19.50	No
		157	5785	19.06	19.50	No
		165	5825	19.10	19.50	No
	802.11ax(HE40)	151	5755	19.13	19.50	No
		159	5795	18.86	19.50	No
	802.11ax(HE80)	155	5775	15.53	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.						

8.6.19 5G WIFI Level1 ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.11	15.50	No
		44	5220	15.03	15.50	No
		48	5240	15.20	15.50	No
	802.11n(HT20)	36	5180	15.21	15.50	No
		44	5220	15.01	15.50	No
		48	5240	15.09	15.50	No
	802.11n(HT40)	38	5190	15.26	15.50	No
		46	5230	15.22	15.50	No
	802.11ac(VHT20)	36	5180	15.04	15.50	No
		44	5220	15.18	15.50	No
		48	5240	15.18	15.50	No
	802.11ac(VHT40)	38	5190	15.39	15.50	No
		46	5230	15.12	15.50	No
	802.11ac(VHT80)	42	5210	14.48	15.00	No
	802.11ax(HE20)	36	5180	15.12	15.50	No
		40	5200	15.12	15.50	No
		48	5240	15.36	15.50	No
	802.11ax(HE40)	38	5190	15.13	15.50	No
		46	5230	15.21	15.50	No
	802.11ax(HE80)	42	5210	14.88	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.42	15.50	No
		60	5300	15.23	15.50	No
		64	5320	15.35	15.50	No
	802.11n(HT20)	52	5260	15.24	15.50	No
		60	5300	15.26	15.50	No
		64	5320	15.19	15.50	No
	802.11n(HT40)	54	5270	15.13	15.50	Yes
		62	5310	**15.20**	15.50	Yes
	802.11ac(VHT20)	52	5260	15.05	15.50	No
		60	5300	15.03	15.50	No
		64	5320	15.03	15.50	No
	802.11ac(VHT40)	54	5270	15.16	15.50	No
		62	5310	15.22	15.50	No
	802.11ac(VHT80)	58	5290	14.97	13.50	No
	802.11ax(HE20)	52	5260	15.24	15.50	No
		60	5300	15.35	15.50	No

		64	5320	15.11	15.50	No
	802.11ax(HE40)	54	5270	15.23	15.50	No
		62	5310	15.29	15.50	No
	802.11ax(HE80)	58	5290	12.63	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	15.38	15.50	No
		116	5580	15.44	15.50	No
		120	5600	15.50	15.50	No
		140	5700	15.33	15.50	No
		144	5720	15.50	15.50	No
	802.11n(HT20)	100	5500	15.08	15.50	No
		116	5580	15.22	15.50	No
		140	5700	15.03	15.50	No
		144	5720	15.05	15.50	No
	802.11n(HT40)	102	5510	15.00	15.50	No
		118	5590	15.09	15.50	No
		134	5670	15.27	15.50	No
		142	5710	15.06	15.50	No
	802.11ac(VHT20)	100	5500	15.26	15.50	No
		116	5580	15.03	15.50	No
		140	5700	15.01	15.50	No
		144	5720	15.13	15.50	No
	802.11ac(VHT40)	102	5510	15.00	15.50	No
		118	5590	15.02	15.50	No
		134	5670	15.14	15.50	No
		142	5710	15.06	15.50	No
	802.11ac(VHT80)	106	5530	15.37	15.50	Yes
		122	5610	**15.46**	15.50	Yes
	802.11ax(HE20)	100	5500	15.43	15.50	No
		116	5580	15.38	15.50	No
		140	5700	15.45	15.50	No
		144	5720	15.28	15.50	No
	802.11ax(HE40)	102	5510	15.42	15.50	No
		118	5590	15.49	15.50	No
		134	5670	15.42	15.50	No
		142	5710	15.38	15.50	No
	802.11ax(HE80)	106	5530	15.31	15.50	No
		122	5610	15.35	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.65	16.00	No
		157	5785	15.79	16.00	No

		165	5825	15.49	16.00	No
	802.11n(HT20)	149	5745	15.36	16.00	No
		157	5785	15.51	16.00	No
		165	5825	15.27	16.00	No
	802.11n(HT40)	151	5755	15.50	16.00	No
		159	5795	15.42	16.00	No
	802.11ac(VHT20)	149	5745	15.57	16.00	No
		157	5785	15.33	16.00	No
		165	5825	15.50	16.00	No
	802.11ac(VHT40)	151	5755	15.31	16.00	No
		159	5795	15.34	16.00	No
	802.11ac(VHT80)	155	5775	**15.42**	16.00	Yes
	802.11ax(HE20)	149	5745	15.28	16.00	No
		157	5785	15.31	16.00	No
		165	5825	15.47	16.00	No
	802.11ax(HE40)	151	5755	15.57	16.00	No
		159	5795	15.49	16.00	No
	802.11ax(HE80)	155	5775	15.31	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.						

8.6.20 5G WIFI Level2 ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.01	12.00	No
		44	5220	11.07	12.00	No
		48	5240	11.23	12.00	No
	802.11n(HT20)	36	5180	11.14	12.00	No
		44	5220	11.05	12.00	No
		48	5240	10.96	12.00	No
	802.11n(HT40)	38	5190	10.99	12.00	No
		46	5230	10.98	12.00	No
	802.11ac(VHT20)	36	5180	10.94	12.00	No
		44	5220	10.87	12.00	No
		48	5240	10.90	12.00	No
	802.11ac(VHT40)	38	5190	11.01	12.00	No
		46	5230	11.07	12.00	No
	802.11ac(VHT80)	42	5210	11.58	12.00	No
	802.11ax(HE20)	36	5180	11.60	12.00	No
		40	5200	11.46	12.00	No
		48	5240	11.55	12.00	No
	802.11ax(HE40)	38	5190	11.56	12.00	No
		46	5230	11.69	12.00	No
	802.11ax(HE80)	42	5210	11.56	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.77	12.00	No
		60	5300	11.77	12.00	No
		64	5320	11.62	12.00	No
	802.11n(HT20)	52	5260	11.73	12.00	No
		60	5300	11.54	12.00	No
		64	5320	11.66	12.00	No
	802.11n(HT40)	54	5270	11.69	12.00	Yes
		62	5310	**11.73**	12.00	Yes
	802.11ac(VHT20)	52	5260	11.49	12.00	No
		60	5300	11.63	12.00	No
		64	5320	11.50	12.00	No
	802.11ac(VHT40)	54	5270	11.55	12.00	No
		62	5310	11.56	12.00	No
	802.11ac(VHT80)	58	5290	11.94	12.00	No
	802.11ax(HE20)	52	5260	11.64	12.00	No
		60	5300	11.46	12.00	No

		64	5320	11.43	12.00	No
	802.11ax(HE40)	54	5270	11.41	12.00	No
		62	5310	11.66	12.00	No
	802.11ax(HE80)	58	5290	11.42	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.52	12.00	No
		116	5580	11.61	12.00	No
		120	5600	11.53	12.00	No
		140	5700	11.47	12.00	No
		144	5720	11.45	12.00	No
	802.11n(HT20)	100	5500	11.61	12.00	No
		116	5580	11.71	12.00	No
		140	5700	11.57	12.00	No
		144	5720	11.54	12.00	No
	802.11n(HT40)	102	5510	11.72	12.00	No
		118	5590	11.68	12.00	No
		134	5670	11.54	12.00	No
		142	5710	11.51	12.00	No
	802.11ac(VHT20)	100	5500	11.53	12.00	No
		116	5580	11.76	12.00	No
		140	5700	11.47	12.00	No
		144	5720	11.68	12.00	No
	802.11ac(VHT40)	102	5510	11.71	12.00	No
		118	5590	11.55	12.00	No
		134	5670	11.51	12.00	No
		142	5710	11.69	12.00	No
	802.11ac(VHT80)	106	5530	11.57	12.00	Yes
		122	5610	**11.78**	12.00	Yes
	802.11ax(HE20)	100	5500	11.85	12.00	No
		116	5580	11.90	12.00	No
		140	5700	11.81	12.00	No
		144	5720	11.72	12.00	No
	802.11ax(HE40)	102	5510	11.73	12.00	No
		118	5590	11.89	12.00	No
		134	5670	11.63	12.00	No
		142	5710	11.90	12.00	No
	802.11ax(HE80)	106	5530	11.71	12.00	No
		122	5610	11.75	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.40	12.00	No
		157	5785	11.34	12.00	No

		165	5825	11.49	12.00	No
	802.11n(HT20)	149	5745	11.42	12.00	No
		157	5785	11.35	12.00	No
		165	5825	11.31	12.00	No
	802.11n(HT40)	151	5755	11.52	12.00	No
		159	5795	11.37	12.00	No
	802.11ac(VHT20)	149	5745	11.39	12.00	No
		157	5785	11.49	12.00	No
		165	5825	11.43	12.00	No
	802.11ac(VHT40)	151	5755	11.37	12.00	No
		159	5795	11.31	12.00	No
	802.11ac(VHT80)	155	5775	**11.45**	12.00	Yes
	802.11ax(HE20)	149	5745	11.48	12.00	No
		157	5785	11.59	12.00	No
		165	5825	11.50	12.00	No
	802.11ax(HE40)	151	5755	11.36	12.00	No
		159	5795	11.35	12.00	No
	802.11ax(HE80)	155	5775	11.37	12.00	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.						

8.6.21 5G WIFI Level3 ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.42	11.00	No
		44	5220	10.54	11.00	No
		48	5240	10.88	11.00	No
	802.11n(HT20)	36	5180	10.27	11.00	No
		44	5220	10.38	11.00	No
		48	5240	10.41	11.00	No
	802.11n(HT40)	38	5190	10.38	11.00	No
		46	5230	10.50	11.00	No
	802.11ac(VHT20)	36	5180	10.44	11.00	No
		44	5220	10.29	11.00	No
		48	5240	10.56	11.00	No
	802.11ac(VHT40)	38	5190	10.33	11.00	No
		46	5230	10.42	11.00	No
	802.11ac(VHT80)	42	5210	10.63	11.00	No
	802.11ax(HE20)	36	5180	10.53	11.00	No
		40	5200	10.38	11.00	No
		48	5240	10.56	11.00	No
	802.11ax(HE40)	38	5190	10.47	11.00	No
		46	5230	10.61	11.00	No
	802.11ax(HE80)	42	5210	10.60	11.00	No
5.3 (5.25~5.35)	802.11a	52	5260	10.40	11.00	No
		60	5300	10.29	11.00	No
		64	5320	10.22	11.00	No
	802.11n(HT20)	52	5260	10.28	11.00	No
		60	5300	10.35	11.00	No
		64	5320	10.36	11.00	No
	802.11n(HT40)	54	5270	10.27	11.00	Yes
		62	5310	**10.49**	11.00	Yes
	802.11ac(VHT20)	52	5260	10.46	11.00	No
		60	5300	10.53	11.00	No
		64	5320	10.47	11.00	No
	802.11ac(VHT40)	54	5270	10.38	11.00	No
		62	5310	10.35	11.00	No
	802.11ac(VHT80)	58	5290	10.98	11.00	No
	802.11ax(HE20)	52	5260	10.40	11.00	No
		60	5300	10.62	11.00	No

		64	5320	10.44	11.00	No
	802.11ax(HE40)	54	5270	10.46	11.00	No
		62	5310	10.62	11.00	No
	802.11ax(HE80)	58	5290	10.53	11.00	No
5.6 (5.47~5.725)	802.11a	100	5500	10.55	11.00	No
		116	5580	10.63	11.00	No
		120	5600	10.98	11.00	No
		140	5700	10.94	11.00	No
		144	5720	10.96	11.00	No
	802.11n(HT20)	100	5500	10.50	11.00	No
		116	5580	10.52	11.00	No
		140	5700	10.33	11.00	No
		144	5720	10.47	11.00	No
	802.11n(HT40)	102	5510	10.46	11.00	No
		118	5590	10.55	11.00	No
		134	5670	10.46	11.00	No
		142	5710	10.51	11.00	No
	802.11ac(VHT20)	100	5500	10.49	11.00	No
		116	5580	10.36	11.00	No
		140	5700	10.56	11.00	No
		144	5720	10.42	11.00	No
	802.11ac(VHT40)	102	5510	10.55	11.00	No
		118	5590	10.53	11.00	No
		134	5670	10.30	11.00	No
		142	5710	10.40	11.00	No
	802.11ac(VHT80)	106	5530	10.57	11.00	Yes
		122	5610	**10.69**	11.00	Yes
	802.11ax(HE20)	100	5500	10.77	11.00	No
		116	5580	10.67	11.00	No
		140	5700	10.63	11.00	No
		144	5720	10.55	11.00	No
	802.11ax(HE40)	102	5510	10.77	11.00	No
		118	5590	10.84	11.00	No
		134	5670	10.75	11.00	No
		142	5710	10.73	11.00	No
	802.11ax(HE80)	106	5530	10.79	11.00	No
		122	5610	10.54	11.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.40	12.00	No
		157	5785	11.34	12.00	No

		165	5825	11.49	12.00	No
	802.11n(HT20)	149	5745	11.42	12.00	No
		157	5785	11.35	12.00	No
		165	5825	11.31	12.00	No
	802.11n(HT40)	151	5755	11.52	12.00	No
		159	5795	11.37	12.00	No
	802.11ac(VHT20)	149	5745	11.39	12.00	No
		157	5785	11.49	12.00	No
		165	5825	11.43	12.00	No
	802.11ac(VHT40)	151	5755	11.37	12.00	No
		159	5795	11.31	12.00	No
	802.11ac(VHT80)	155	5775	**11.45**	12.00	Yes
	802.11ax(HE20)	149	5745	11.31	12.00	No
		157	5785	11.37	12.00	No
		165	5825	11.38	12.00	No
	802.11ax(HE40)	151	5755	11.48	12.00	No
		159	5795	11.41	12.00	No
	802.11ax(HE80)	155	5775	11.38	12.00	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.						

8.6.22 5G WIFI Level4 ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.11	15.50	No
		44	5220	15.03	15.50	No
		48	5240	15.20	15.50	No
	802.11n(HT20)	36	5180	15.21	15.50	No
		44	5220	15.01	15.50	No
		48	5240	15.09	15.50	No
	802.11n(HT40)	38	5190	15.22	15.50	Yes
		46	5230	**15.26**	15.50	Yes
	802.11ac(VHT20)	36	5180	15.04	15.50	No
		44	5220	15.18	15.50	No
		48	5240	15.18	15.50	No
	802.11ac(VHT40)	38	5190	15.39	15.50	No
		46	5230	15.12	15.50	No
	802.11ac(VHT80)	42	5210	14.63	15.00	No
	802.11ax(HE20)	36	5180	15.12	15.50	No
		40	5200	15.12	15.50	No
		48	5240	15.36	15.50	No
	802.11ax(HE40)	38	5190	15.13	15.50	No
		46	5230	15.21	15.50	No
	802.11ax(HE80)	42	5210	14.88	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.42	15.50	No
		60	5300	15.23	15.50	No
		64	5320	15.35	15.50	No
	802.11n(HT20)	52	5260	15.24	15.50	No
		60	5300	15.26	15.50	No
		64	5320	15.19	15.50	No
	802.11n(HT40)	54	5270	15.13	15.50	Yes
		62	5310	**15.20**	15.50	Yes
	802.11ac(VHT20)	52	5260	15.05	15.50	No
		60	5300	15.03	15.50	No
		64	5320	15.03	15.50	No
	802.11ac(VHT40)	54	5270	15.16	15.50	No
		62	5310	15.22	15.50	No
	802.11ac(VHT80)	58	5290	14.97	13.50	No
	802.11ax(HE20)	52	5260	15.24	15.50	No
		60	5300	15.35	15.50	No

		64	5320	15.11	15.50	No
	802.11ax(HE40)	54	5270	15.23	15.50	No
		62	5310	15.29	15.50	No
	802.11ax(HE80)	58	5290	12.63	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	15.38	15.50	No
		116	5580	15.44	15.50	No
		120	5600	15.50	15.50	No
		140	5700	15.33	15.50	No
		144	5720	15.50	15.50	No
	802.11n(HT20)	100	5500	15.08	15.50	No
		116	5580	15.22	15.50	No
		140	5700	15.03	15.50	No
		144	5720	15.05	15.50	No
	802.11n(HT40)	102	5510	15.00	15.50	No
		118	5590	15.09	15.50	No
		134	5670	15.27	15.50	No
		142	5710	15.06	15.50	No
	802.11ac(VHT20)	100	5500	15.26	15.50	No
		116	5580	15.03	15.50	No
		140	5700	15.01	15.50	No
		144	5720	15.13	15.50	No
	802.11ac(VHT40)	102	5510	15.00	15.50	No
		118	5590	15.02	15.50	No
		134	5670	15.14	15.50	No
		142	5710	15.06	15.50	No
	802.11ac(VHT80)	106	5530	15.37	15.50	Yes
		122	5610	**15.46**	15.50	Yes
	802.11ax(HE20)	100	5500	15.26	15.50	No
		116	5580	15.24	15.50	No
		140	5700	15.30	15.50	No
		144	5720	15.43	15.50	No
	802.11ax(HE40)	102	5510	15.35	15.50	No
		118	5590	15.39	15.50	No
		134	5670	15.26	15.50	No
		142	5710	15.47	15.50	No
	802.11ax(HE80)	106	5530	15.24	15.50	No
		122	5610	15.30	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.65	16.00	No
		157	5785	15.79	16.00	No

		165	5825	15.49	16.00	No
	802.11n(HT20)	149	5745	15.36	16.00	No
		157	5785	15.51	16.00	No
		165	5825	15.27	16.00	No
	802.11n(HT40)	151	5755	15.50	16.00	No
		159	5795	15.42	16.00	No
	802.11ac(VHT20)	149	5745	15.57	16.00	No
		157	5785	15.33	16.00	No
		165	5825	15.50	16.00	No
	802.11ac(VHT40)	151	5755	15.31	16.00	No
		159	5795	15.34	16.00	No
	802.11ac(VHT80)	155	5775	**15.42**	16.00	Yes
	802.11ax(HE20)	149	5745	15.28	16.00	No
		157	5785	15.31	16.00	No
		165	5825	15.47	16.00	No
	802.11ax(HE40)	151	5755	15.57	16.00	No
		159	5795	15.49	16.00	No
	802.11ax(HE80)	155	5775	15.31	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.						

8.6.23 5G WIFI Level5 ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.01	12.00	No
		44	5220	11.07	12.00	No
		48	5240	11.23	12.00	No
	802.11n(HT20)	36	5180	11.14	12.00	No
		44	5220	11.05	12.00	No
		48	5240	10.96	12.00	No
	802.11n(HT40)	38	5190	**10.99**	12.00	Yes
		46	5230	10.98	12.00	Yes
	802.11ac(VHT20)	36	5180	10.94	12.00	No
		44	5220	10.87	12.00	No
		48	5240	10.90	12.00	No
	802.11ac(VHT40)	38	5190	11.01	12.00	No
		46	5230	11.07	12.00	No
	802.11ac(VHT80)	42	5210	11.58	12.00	No
	802.11ax(HE20)	36	5180	11.60	12.00	No
		40	5200	11.46	12.00	No
		48	5240	11.55	12.00	No
	802.11ax(HE40)	38	5190	11.56	12.00	No
		46	5230	11.69	12.00	No
	802.11ax(HE80)	42	5210	11.56	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.77	12.00	No
		60	5300	11.77	12.00	No
		64	5320	11.62	12.00	No
	802.11n(HT20)	52	5260	11.73	12.00	No
		60	5300	11.54	12.00	No
		64	5320	11.66	12.00	No
	802.11n(HT40)	54	5270	11.69	12.00	Yes
		62	5310	**11.73**	12.00	Yes
	802.11ac(VHT20)	52	5260	11.49	12.00	No
		60	5300	11.63	12.00	No
		64	5320	11.50	12.00	No
	802.11ac(VHT40)	54	5270	11.55	12.00	No
		62	5310	11.56	12.00	No
	802.11ac(VHT80)	58	5290	11.94	12.00	No
	802.11ax(HE20)	52	5260	11.64	12.00	No
		60	5300	11.46	12.00	No

		64	5320	11.43	12.00	No
	802.11ax(HE40)	54	5270	11.41	12.00	No
		62	5310	11.66	12.00	No
	802.11ax(HE80)	58	5290	11.42	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.52	12.00	No
		116	5580	11.61	12.00	No
		120	5600	11.53	12.00	No
		140	5700	11.47	12.00	No
		144	5720	11.45	12.00	No
	802.11n(HT20)	100	5500	11.61	12.00	No
		116	5580	11.71	12.00	No
		140	5700	11.57	12.00	No
		144	5720	11.54	12.00	No
	802.11n(HT40)	102	5510	11.72	12.00	No
		118	5590	11.68	12.00	No
		134	5670	11.54	12.00	No
		142	5710	11.51	12.00	No
	802.11ac(VHT20)	100	5500	11.53	12.00	No
		116	5580	11.76	12.00	No
		140	5700	11.47	12.00	No
		144	5720	11.68	12.00	No
	802.11ac(VHT40)	102	5510	11.71	12.00	No
		118	5590	11.55	12.00	No
		134	5670	11.51	12.00	No
		142	5710	11.69	12.00	No
	802.11ac(VHT80)	106	5530	11.57	12.00	Yes
		122	5610	**11.78**	12.00	Yes
	802.11ax(HE20)	100	5500	11.76	12.00	No
		116	5580	11.82	12.00	No
		140	5700	11.83	12.00	No
		144	5720	11.65	12.00	No
	802.11ax(HE40)	102	5510	11.67	12.00	No
		118	5590	11.71	12.00	No
		134	5670	11.75	12.00	No
		142	5710	11.88	12.00	No
	802.11ax(HE80)	106	5530	11.71	12.00	No
		122	5610	11.64	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	12.23	13.00	No
		157	5785	12.25	13.00	No

		165	5825	12.21	13.00	No
	802.11n(HT20)	149	5745	12.38	13.00	No
		157	5785	12.17	13.00	No
		165	5825	12.45	13.00	No
	802.11n(HT40)	151	5755	12.18	13.00	No
		159	5795	12.36	13.00	No
	802.11ac(VHT20)	149	5745	12.17	13.00	No
		157	5785	12.23	13.00	No
		165	5825	12.42	13.00	No
	802.11ac(VHT40)	151	5755	12.40	13.00	No
		159	5795	12.33	13.00	No
	802.11ac(VHT80)	155	5775	**12.32**	13.00	Yes
	802.11ax(HE20)	149	5745	12.30	13.00	No
		157	5785	12.40	13.00	No
		165	5825	12.25	13.00	No
	802.11ax(HE40)	151	5755	12.28	13.00	No
		159	5795	12.30	13.00	No
	802.11ax(HE80)	155	5775	12.18	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.						

8.6.24 5G WIFI Level6 ANT2

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.78	16.50	No
		44	5220	15.90	16.50	No
		48	5240	16.07	16.50	No
	802.11n(HT20)	36	5180	16.02	16.50	No
		44	5220	16.11	16.50	No
		48	5240	15.99	16.50	No
	802.11n(HT40)	38	5190	**16.44**	16.50	Yes
		46	5230	16.12	16.50	Yes
	802.11ac(VHT20)	36	5180	15.98	16.50	No
		44	5220	16.01	16.50	No
		48	5240	16.25	16.50	No
	802.11ac(VHT40)	38	5190	16.06	16.50	No
		46	5230	16.08	16.50	No
	802.11ac(VHT80)	42	5210	14.61	15.00	No
	802.11ax(HE20)	36	5180	16.25	16.50	No
		40	5200	16.27	16.50	No
		48	5240	16.17	16.50	No
	802.11ax(HE40)	38	5190	16.32	16.50	No
		46	5230	16.29	16.50	No
	802.11ax(HE80)	42	5210	15.29	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	16.27	16.50	No
		60	5300	16.24	16.50	No
		64	5320	16.47	16.50	No
	802.11n(HT20)	52	5260	16.03	16.50	No
		60	5300	16.05	16.50	No
		64	5320	15.98	16.50	No
	802.11n(HT40)	54	5270	16.18	16.50	Yes
		62	5310	**16.23**	16.50	Yes
	802.11ac(VHT20)	52	5260	16.09	16.50	No
		60	5300	15.98	16.50	No
		64	5320	16.05	16.50	No
	802.11ac(VHT40)	54	5270	16.12	16.50	No
		62	5310	16.21	16.50	No
	802.11ac(VHT80)	58	5290	13.19	13.50	No
	802.11ax(HE20)	52	5260	16.19	16.50	No
		60	5300	16.32	16.50	No

		64	5320	16.19	16.50	No
	802.11ax(HE40)	54	5270	16.06	16.50	No
		62	5310	16.19	16.50	No
	802.11ax(HE80)	58	5290	12.63	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.06	16.50	No
		116	5580	16.05	16.50	No
		120	5600	16.06	16.50	No
		140	5700	16.33	16.50	No
		144	5720	16.30	16.50	No
	802.11n(HT20)	100	5500	16.27	16.50	No
		116	5580	16.41	16.50	No
		140	5700	16.33	16.50	No
		144	5720	16.18	16.50	No
	802.11n(HT40)	102	5510	16.45	16.50	No
		118	5590	16.23	16.50	No
		134	5670	16.19	16.50	No
		142	5710	16.23	16.50	No
	802.11ac(VHT20)	100	5500	16.18	16.50	No
		116	5580	16.35	16.50	No
		140	5700	16.30	16.50	No
		144	5720	16.38	16.50	No
	802.11ac(VHT40)	102	5510	16.43	16.50	No
		118	5590	16.39	16.50	No
		134	5670	16.27	16.50	No
		142	5710	16.27	16.50	No
	802.11ac(VHT80)	106	5530	16.30	16.50	Yes
		122	5610	**16.47**	16.50	Yes
	802.11ax(HE20)	100	5500	16.22	16.50	No
		116	5580	16.30	16.50	No
		140	5700	16.35	16.50	No
		144	5720	16.33	16.50	No
	802.11ax(HE40)	102	5510	16.20	16.50	No
		118	5590	16.41	16.50	No
		134	5670	16.36	16.50	No
		142	5710	16.24	16.50	No
	802.11ax(HE80)	106	5530	16.25	16.50	No
		122	5610	16.39	16.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.94	19.50	No
		157	5785	18.85	19.50	No

		165	5825	18.74	19.50	No
	802.11n(HT20)	149	5745	18.85	19.50	No
		157	5785	18.95	19.50	No
		165	5825	18.85	19.50	No
	802.11n(HT40)	151	5755	18.81	19.50	No
		159	5795	19.02	19.50	No
	802.11ac(VHT20)	149	5745	19.00	19.50	No
		157	5785	18.82	19.50	No
		165	5825	19.08	19.50	No
	802.11ac(VHT40)	151	5755	18.95	19.50	No
		159	5795	18.81	19.50	No
	802.11ac(VHT80)	155	5775	**18.98**	19.50	Yes
	802.11ax(HE20)	149	5745	18.91	19.50	No
		157	5785	19.06	19.50	No
		165	5825	19.10	19.50	No
	802.11ax(HE40)	151	5755	19.13	19.50	No
		159	5795	18.86	19.50	No
	802.11ax(HE80)	155	5775	15.53	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.						

8.6.25 5G WIFI Full power ANT7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	15.78	16.50	No
		44	5220	15.90	16.50	No
		48	5240	16.07	16.50	No
	802.11n(HT20)	36	5180	15.97	16.50	No
		44	5220	16.01	16.50	No
		48	5240	15.87	16.50	No
	802.11n(HT40)	38	5190	16.01	16.50	No
		46	5230	15.87	16.50	No
	802.11ac(VHT20)	36	5180	15.72	16.50	No
		44	5220	15.76	16.50	No
		48	5240	15.72	16.50	No
	802.11ac(VHT40)	38	5190	15.74	16.50	No
		46	5230	15.78	16.50	No
	802.11ac(VHT80)	42	5210	14.24	15.00	No
	802.11ax(HE20)	36	5180	15.70	16.50	No
		40	5200	15.75	16.50	No
		48	5240	15.84	16.50	No
	802.11ax(HE40)	38	5190	15.92	16.50	No
		46	5230	15.75	16.50	No
	802.11ax(HE80)	42	5210	14.20	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	16.27	16.50	No
		60	5300	16.24	16.50	No
		64	5320	16.47	16.50	No
	802.11n(HT20)	52	5260	15.62	16.50	No
		60	5300	15.37	16.50	No
		64	5320	15.44	16.50	No
	802.11n(HT40)	54	5270	15.49	16.50	No
		62	5310	15.51	16.50	No
	802.11ac(VHT20)	52	5260	15.42	16.50	No
		60	5300	15.39	16.50	No
		64	5320	15.38	16.50	No
	802.11ac(VHT40)	54	5270	15.49	16.50	No
		62	5310	15.51	16.50	No
	802.11ac(VHT80)	58	5290	12.86	13.50	No
	802.11ax(HE20)	52	5260	15.56	16.50	No
		60	5300	15.50	16.50	No

		64	5320	15.60	16.50	No
	802.11ax(HE40)	54	5270	15.67	16.50	No
		62	5310	15.58	16.50	No
	802.11ax(HE80)	58	5290	12.78	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.06	16.50	No
		116	5580	16.05	16.50	No
		120	5600	16.06	16.50	No
		140	5700	16.33	16.50	No
		144	5720	16.30	16.50	No
	802.11n(HT20)	100	5500	16.21	16.50	No
		116	5580	15.96	16.50	No
		140	5700	16.18	16.50	No
		144	5720	16.06	16.50	No
	802.11n(HT40)	102	5510	16.16	16.50	No
		118	5590	16.16	16.50	No
		134	5670	16.23	16.50	No
		142	5710	16.09	16.50	No
	802.11ac(VHT20)	100	5500	16.05	16.50	No
		116	5580	16.06	16.50	No
		140	5700	16.17	16.50	No
		144	5720	16.16	16.50	No
	802.11ac(VHT40)	102	5510	16.17	16.50	No
		118	5590	16.07	16.50	No
		134	5670	16.20	16.50	No
		142	5710	16.19	16.50	No
	802.11ac(VHT80)	106	5530	16.11	16.50	No
		122	5610	16.05	16.50	No
	802.11ax(HE20)	100	5500	15.98	16.50	No
		116	5580	16.19	16.50	No
		140	5700	16.11	16.50	No
		144	5720	16.07	16.50	No
	802.11ax(HE40)	102	5510	15.90	16.50	No
		118	5590	16.19	16.50	No
		134	5670	16.19	16.50	No
		142	5710	16.11	16.50	No
	802.11ax(HE80)	106	5530	15.94	16.50	No
		122	5610	16.19	16.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.94	19.50	No
		157	5785	18.85	19.50	No

		165	5825	18.74	19.50	No
	802.11n(HT20)	149	5745	19.18	19.50	No
		157	5785	19.32	19.50	No
		165	5825	19.19	19.50	No
	802.11n(HT40)	151	5755	19.32	19.50	No
		159	5795	19.32	19.50	No
	802.11ac(VHT20)	149	5745	19.32	19.50	No
		157	5785	19.39	19.50	No
		165	5825	19.31	19.50	No
	802.11ac(VHT40)	151	5755	19.37	19.50	No
		159	5795	19.45	19.50	No
	802.11ac(VHT80)	155	5775	19.30	19.50	No
	802.11ax(HE20)	149	5745	19.29	19.50	No
		157	5785	19.33	19.50	No
		165	5825	19.24	19.50	No
	802.11ax(HE40)	151	5755	19.35	19.50	No
		159	5795	19.23	19.50	No
	802.11ax(HE80)	155	5775	15.72	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.						

8.6.26 5G WIFI Level1 ANT7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.99	15.50	No
		44	5220	15.18	15.50	No
		48	5240	15.10	15.50	No
	802.11n(HT20)	36	5180	14.99	15.50	No
		44	5220	14.94	15.50	No
		48	5240	14.92	15.50	No
	802.11n(HT40)	38	5190	15.07	15.50	No
		46	5230	14.75	15.50	No
	802.11ac(VHT20)	36	5180	15.14	15.50	No
		44	5220	15.01	15.50	No
		48	5240	14.95	15.50	No
	802.11ac(VHT40)	38	5190	15.06	15.50	No
		46	5230	15.20	15.50	No
	802.11ac(VHT80)	42	5210	15.02	15.00	No
	802.11ax(HE20)	36	5180	15.05	15.50	No
		40	5200	15.21	15.50	No
		48	5240	15.30	15.50	No
	802.11ax(HE40)	38	5190	15.18	15.50	No
		46	5230	15.34	15.50	No
	802.11ax(HE80)	42	5210	14.76	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	15.42	15.50	No
		60	5300	15.23	15.50	No
		64	5320	15.35	15.50	No
	802.11n(HT20)	52	5260	14.57	15.50	No
		60	5300	14.60	15.50	No
		64	5320	14.33	15.50	No
	802.11n(HT40)	54	5270	14.48	15.50	Yes
		62	5310	**14.53**	15.50	Yes
	802.11ac(VHT20)	52	5260	14.52	15.50	No
		60	5300	14.57	15.50	No
		64	5320	14.52	15.50	No
	802.11ac(VHT40)	54	5270	14.48	15.50	No
		62	5310	14.53	15.50	No
	802.11ac(VHT80)	58	5290	12.80	13.50	No
	802.11ax(HE20)	52	5260	15.48	15.50	No
		60	5300	15.50	15.50	No

		64	5320	15.60	15.50	No
	802.11ax(HE40)	54	5270	15.40	15.50	No
		62	5310	15.58	15.50	No
	802.11ax(HE80)	58	5290	12.40	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	15.38	15.50	No
		116	5580	15.44	15.50	No
		120	5600	15.50	15.50	No
		140	5700	15.33	15.50	No
		144	5720	15.50	15.50	No
	802.11n(HT20)	100	5500	14.51	15.50	No
		116	5580	14.45	15.50	No
		140	5700	14.70	15.50	No
		144	5720	14.51	15.50	No
	802.11n(HT40)	102	5510	14.64	15.50	No
		118	5590	14.52	15.50	No
		134	5670	14.57	15.50	No
		142	5710	14.57	15.50	No
	802.11ac(VHT20)	100	5500	14.66	15.50	No
		116	5580	14.45	15.50	No
		140	5700	14.56	15.50	No
		144	5720	14.65	15.50	No
	802.11ac(VHT40)	102	5510	14.53	15.50	No
		118	5590	14.67	15.50	No
		134	5670	14.63	15.50	No
		142	5710	14.69	15.50	No
	802.11ac(VHT80)	106	5530	14.56	15.50	Yes
		122	5610	**14.65**	15.50	Yes
	802.11ax(HE20)	100	5500	14.51	15.50	No
		116	5580	14.64	15.50	No
		140	5700	14.61	15.50	No
		144	5720	14.75	15.50	No
	802.11ax(HE40)	102	5510	14.74	15.50	No
		118	5590	14.76	15.50	No
		134	5670	14.51	15.50	No
		142	5710	14.64	15.50	No
	802.11ax(HE80)	106	5530	14.68	15.50	No
		122	5610	14.66	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.32	16.00	No
		157	5785	15.38	16.00	No

		165	5825	15.40	16.00	No
	802.11n(HT20)	149	5745	15.42	16.00	No
		157	5785	15.22	16.00	No
		165	5825	15.35	16.00	No
	802.11n(HT40)	151	5755	15.20	16.00	No
		159	5795	15.25	16.00	No
	802.11ac(VHT20)	149	5745	15.33	16.00	No
		157	5785	15.44	16.00	No
		165	5825	15.24	16.00	No
	802.11ac(VHT40)	151	5755	15.26	16.00	No
		159	5795	15.28	16.00	No
	802.11ac(VHT80)	155	5775	**15.34**	16.00	Yes
	802.11ax(HE20)	149	5745	15.32	16.00	No
		157	5785	15.28	16.00	No
		165	5825	15.29	16.00	No
	802.11ax(HE40)	151	5755	15.22	16.00	No
		159	5795	15.42	16.00	No
	802.11ax(HE80)	155	5775	15.22	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.						

8.6.27 5G WIFI Level2 ANT7

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.01	12.00	No
		44	5220	11.07	12.00	No
		48	5240	11.23	12.00	No
	802.11n(HT20)	36	5180	11.35	12.00	No
		44	5220	11.44	12.00	No
		48	5240	11.20	12.00	No
	802.11n(HT40)	38	5190	11.44	12.00	No
		46	5230	11.31	12.00	No
	802.11ac(VHT20)	36	5180	11.37	12.00	No
		44	5220	11.35	12.00	No
		48	5240	11.31	12.00	No
	802.11ac(VHT40)	38	5190	11.45	12.00	No
		46	5230	11.36	12.00	No
	802.11ac(VHT80)	42	5210	11.34	12.00	No
	802.11ax(HE20)	36	5180	11.42	12.00	No
		40	5200	11.42	12.00	No
		48	5240	11.41	12.00	No
	802.11ax(HE40)	38	5190	11.44	12.00	No
		46	5230	11.25	12.00	No
	802.11ax(HE80)	42	5210	11.20	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.08	12.00	No
		60	5300	11.08	12.00	No
		64	5320	11.08	12.00	No
	802.11n(HT20)	52	5260	10.98	12.00	No
		60	5300	11.04	12.00	No
		64	5320	11.18	12.00	No
	802.11n(HT40)	54	5270	11.08	12.00	Yes
		62	5310	**11.12**	12.00	Yes
	802.11ac(VHT20)	52	5260	11.07	12.00	No
		60	5300	11.12	12.00	No
		64	5320	11.04	12.00	No
	802.11ac(VHT40)	54	5270	11.18	12.00	No
		62	5310	11.17	12.00	No
	802.11ac(VHT80)	58	5290	11.03	12.00	No
	802.11ax(HE20)	52	5260	11.34	12.00	No
		60	5300	11.11	12.00	No

		64	5320	11.08	12.00	No
	802.11ax(HE40)	54	5270	11.23	12.00	No
		62	5310	11.06	12.00	No
	802.11ax(HE80)	58	5290	11.15	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	11.52	12.00	No
		116	5580	11.61	12.00	No
		120	5600	11.53	12.00	No
		140	5700	11.47	12.00	No
		144	5720	11.45	12.00	No
	802.11n(HT20)	100	5500	11.33	12.00	No
		116	5580	11.30	12.00	No
		140	5700	11.11	12.00	No
		144	5720	11.14	12.00	No
	802.11n(HT40)	102	5510	11.36	12.00	No
		118	5590	11.12	12.00	No
		134	5670	11.25	12.00	No
		142	5710	11.16	12.00	No
	802.11ac(VHT20)	100	5500	11.37	12.00	No
		116	5580	11.18	12.00	No
		140	5700	11.20	12.00	No
		144	5720	11.37	12.00	No
	802.11ac(VHT40)	102	5510	11.13	12.00	No
		118	5590	11.18	12.00	No
		134	5670	11.39	12.00	No
		142	5710	11.34	12.00	No
	802.11ac(VHT80)	106	5530	11.24	12.00	Yes
		122	5610	**11.25**	12.00	Yes
	802.11ax(HE20)	100	5500	11.33	12.00	No
		116	5580	11.36	12.00	No
		140	5700	11.40	12.00	No
		144	5720	11.25	12.00	No
	802.11ax(HE40)	102	5510	11.13	12.00	No
		118	5590	11.18	12.00	No
		134	5670	11.24	12.00	No
		142	5710	11.23	12.00	No
	802.11ax(HE80)	106	5530	11.12	12.00	No
		122	5610	11.40	12.00	No
5.8 (5.725~5.850)	802.11a	149	5745	11.36	12.00	No
		157	5785	11.51	12.00	No

		165	5825	11.34	12.00	No
	802.11n(HT20)	149	5745	11.40	12.00	No
		157	5785	11.52	12.00	No
		165	5825	11.42	12.00	No
	802.11n(HT40)	151	5755	11.34	12.00	No
		159	5795	11.33	12.00	No
	802.11ac(VHT20)	149	5745	11.42	12.00	No
		157	5785	11.48	12.00	No
		165	5825	11.50	12.00	No
	802.11ac(VHT40)	151	5755	11.34	12.00	No
		159	5795	11.26	12.00	No
	802.11ac(VHT80)	155	5775	**11.40**	12.00	Yes
	802.11ax(HE20)	149	5745	11.28	12.00	No
		157	5785	11.52	12.00	No
		165	5825	11.53	12.00	No
	802.11ax(HE40)	151	5755	11.36	12.00	No
		159	5795	11.35	12.00	No
	802.11ax(HE80)	155	5775	11.27	12.00	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.						

8.6.28 5G WIFI Level4 ANT7 (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.78	15.50	No
		44	5220	14.90	15.50	No
		48	5240	15.07	15.50	No
	802.11n(HT20)	36	5180	14.97	15.50	No
		44	5220	15.01	15.50	No
		48	5240	14.87	15.50	No
	802.11n(HT40)	38	5190	**15.01**	15.50	Yes
		46	5230	14.87	15.50	Yes
	802.11ac(VHT20)	36	5180	14.72	15.50	No
		44	5220	14.76	15.50	No
		48	5240	14.72	15.50	No
	802.11ac(VHT40)	38	5190	14.74	15.50	No
		46	5230	14.78	15.50	No
	802.11ac(VHT80)	42	5210	14.24	15.00	No
	802.11ax(HE20)	36	5180	15.05	15.50	No
		40	5200	15.21	15.50	No
		48	5240	15.30	15.50	No
	802.11ax(HE40)	38	5190	15.18	15.50	No
		46	5230	15.34	15.50	No
	802.11ax(HE80)	42	5210	14.76	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	16.27	16.50	No
		60	5300	16.24	16.50	No
		64	5320	16.47	16.50	No
	802.11n(HT20)	52	5260	15.62	16.50	No
		60	5300	15.37	16.50	No
		64	5320	15.44	16.50	No
	802.11n(HT40)	54	5270	15.49	16.50	Yes
		62	5310	**15.51**	16.50	Yes
	802.11ac(VHT20)	52	5260	15.42	16.50	No
		60	5300	15.39	16.50	No
		64	5320	15.38	16.50	No
	802.11ac(VHT40)	54	5270	15.49	16.50	No
		62	5310	15.51	16.50	No
	802.11ac(VHT80)	58	5290	12.86	13.50	No
	802.11ax(HE20)	52	5260	15.56	16.50	No
		60	5300	15.50	16.50	No

		64	5320	15.60	16.50	No
	802.11ax(HE40)	54	5270	15.67	16.50	No
		62	5310	15.58	16.50	No
	802.11ax(HE80)	58	5290	12.78	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.06	16.50	No
		116	5580	16.05	16.50	No
		120	5600	16.06	16.50	No
		140	5700	16.33	16.50	No
		144	5720	16.30	16.50	No
	802.11n(HT20)	100	5500	16.21	16.50	No
		116	5580	15.96	16.50	No
		140	5700	16.18	16.50	No
		144	5720	16.06	16.50	No
	802.11n(HT40)	102	5510	16.16	16.50	No
		118	5590	16.16	16.50	No
		134	5670	16.23	16.50	No
		142	5710	16.09	16.50	No
	802.11ac(VHT20)	100	5500	16.05	16.50	No
		116	5580	16.06	16.50	No
		140	5700	16.17	16.50	No
		144	5720	16.16	16.50	No
	802.11ac(VHT40)	102	5510	16.17	16.50	No
		118	5590	16.07	16.50	No
		134	5670	16.20	16.50	No
		142	5710	16.19	16.50	No
	802.11ac(VHT80)	106	5530	**16.11**	16.50	Yes
		122	5610	16.05	16.50	Yes
	802.11ax(HE20)	100	5500	15.98	16.50	No
		116	5580	16.19	16.50	No
		140	5700	16.11	16.50	No
		144	5720	16.07	16.50	No
	802.11ax(HE40)	102	5510	15.90	16.50	No
		118	5590	16.19	16.50	No
		134	5670	16.19	16.50	No
		142	5710	16.11	16.50	No
	802.11ax(HE80)	106	5530	15.94	16.50	No
		122	5610	16.19	16.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.32	16.00	No
		157	5785	15.38	16.00	No

		165	5825	15.40	16.00	No
	802.11n(HT20)	149	5745	15.42	16.00	No
		157	5785	15.22	16.00	No
		165	5825	15.35	16.00	No
	802.11n(HT40)	151	5755	15.20	16.00	No
		159	5795	15.25	16.00	No
	802.11ac(VHT20)	149	5745	15.33	16.00	No
		157	5785	15.44	16.00	No
		165	5825	15.24	16.00	No
	802.11ac(VHT40)	151	5755	15.26	16.00	No
		159	5795	15.28	16.00	No
	802.11ac(VHT80)	155	5775	**15.34**	16.00	Yes
	802.11ax(HE20)	149	5745	15.32	16.00	No
		157	5785	15.28	16.00	No
		165	5825	15.29	16.00	No
	802.11ax(HE40)	151	5755	15.22	16.00	No
		159	5795	15.42	16.00	No
	802.11ax(HE80)	155	5775	15.22	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.						

8.6.29 5G WIFI Level5 ANT7 (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.01	12.00	No
		44	5220	11.07	12.00	No
		48	5240	11.23	12.00	No
	802.11n(HT20)	36	5180	11.35	12.00	No
		44	5220	11.44	12.00	No
		48	5240	11.20	12.00	No
	802.11n(HT40)	38	5190	**11.44**	12.00	Yes
		46	5230	11.31	12.00	Yes
	802.11ac(VHT20)	36	5180	11.37	12.00	No
		44	5220	11.35	12.00	No
		48	5240	11.31	12.00	No
	802.11ac(VHT40)	38	5190	11.45	12.00	No
		46	5230	11.36	12.00	No
	802.11ac(VHT80)	42	5210	11.34	12.00	No
	802.11ax(HE20)	36	5180	11.42	12.00	No
		40	5200	11.42	12.00	No
		48	5240	11.41	12.00	No
	802.11ax(HE40)	38	5190	11.44	12.00	No
		46	5230	11.25	12.00	No
	802.11ax(HE80)	42	5210	11.20	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.08	12.00	No
		60	5300	11.08	12.00	No
		64	5320	11.08	12.00	No
	802.11n(HT20)	52	5260	10.98	12.00	No
		60	5300	11.04	12.00	No
		64	5320	11.18	12.00	No
	802.11n(HT40)	54	5270	11.08	12.00	Yes
		62	5310	**11.12**	12.00	Yes
	802.11ac(VHT20)	52	5260	11.07	12.00	No
		60	5300	11.12	12.00	No
		64	5320	11.04	12.00	No
	802.11ac(VHT40)	54	5270	11.18	12.00	No
		62	5310	11.17	12.00	No
	802.11ac(VHT80)	58	5290	11.03	12.00	No
	802.11ax(HE20)	52	5260	11.34	12.00	No
		60	5300	11.11	12.00	No

		64	5320	11.08	12.00	No
	802.11ax(HE40)	54	5270	11.23	12.00	No
		62	5310	11.06	12.00	No
	802.11ax(HE80)	58	5290	11.15	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	12.21	12.50	No
		116	5580	12.24	12.50	No
		120	5600	12.16	12.50	No
		140	5700	12.12	12.50	No
		144	5720	12.31	12.50	No
	802.11n(HT20)	100	5500	12.28	12.50	No
		116	5580	12.37	12.50	No
		140	5700	12.26	12.50	No
		144	5720	12.33	12.50	No
	802.11n(HT40)	102	5510	12.25	12.50	No
		118	5590	12.19	12.50	No
		134	5670	12.39	12.50	No
		142	5710	12.20	12.50	No
	802.11ac(VHT20)	100	5500	12.31	12.50	No
		116	5580	12.27	12.50	No
		140	5700	12.34	12.50	No
		144	5720	12.29	12.50	No
	802.11ac(VHT40)	102	5510	12.34	12.50	No
		118	5590	12.39	12.50	No
		134	5670	12.36	12.50	No
		142	5710	12.31	12.50	No
	802.11ac(VHT80)	106	5530	12.25	12.50	Yes
		122	5610	**12.26**	12.50	Yes
	802.11ax(HE20)	100	5500	12.21	12.50	No
		116	5580	12.26	12.50	No
		140	5700	12.31	12.50	No
		144	5720	12.13	12.50	No
	802.11ax(HE40)	102	5510	12.25	12.50	No
		118	5590	12.19	12.50	No
		134	5670	12.38	12.50	No
		142	5710	12.29	12.50	No
	802.11ax(HE80)	106	5530	12.20	12.50	No
		122	5610	12.39	12.50	No
5.8 (5.725~5.850)	802.11a	149	5745	11.36	12.00	No
		157	5785	11.51	12.00	No

		165	5825	11.34	12.00	No
	802.11n(HT20)	149	5745	11.40	12.00	No
		157	5785	11.52	12.00	No
		165	5825	11.42	12.00	No
	802.11n(HT40)	151	5755	11.34	12.00	No
		159	5795	11.33	12.00	No
	802.11ac(VHT20)	149	5745	11.42	12.00	No
		157	5785	11.48	12.00	No
		165	5825	11.50	12.00	No
	802.11ac(VHT40)	151	5755	11.34	12.00	No
		159	5795	11.26	12.00	No
	802.11ac(VHT80)	155	5775	**11.40**	12.00	Yes
	802.11ax(HE20)	149	5745	11.28	12.00	No
		157	5785	11.52	12.00	No
		165	5825	11.53	12.00	No
	802.11ax(HE40)	151	5755	11.36	12.00	No
		159	5795	11.35	12.00	No
	802.11ax(HE80)	155	5775	11.27	12.00	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.						

8.6.30 5G WIFI Level4 ANT7 (Sensor on2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.78	15.50	No
		44	5220	14.90	15.50	No
		48	5240	15.07	15.50	No
	802.11n(HT20)	36	5180	14.97	15.50	No
		44	5220	15.01	15.50	No
		48	5240	14.87	15.50	No
	802.11n(HT40)	38	5190	**15.01**	15.50	Yes
		46	5230	14.87	15.50	Yes
	802.11ac(VHT20)	36	5180	14.72	15.50	No
		44	5220	14.76	15.50	No
		48	5240	14.72	15.50	No
	802.11ac(VHT40)	38	5190	14.74	15.50	No
		46	5230	14.78	15.50	No
	802.11ac(VHT80)	42	5210	14.24	15.00	No
	802.11ax(HE20)	36	5180	15.05	15.50	No
		40	5200	15.21	15.50	No
		48	5240	15.30	15.50	No
	802.11ax(HE40)	38	5190	15.18	15.50	No
		46	5230	15.34	15.50	No
	802.11ax(HE80)	42	5210	14.76	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	16.27	16.50	No
		60	5300	16.24	16.50	No
		64	5320	16.47	16.50	No
	802.11n(HT20)	52	5260	15.62	16.50	No
		60	5300	15.37	16.50	No
		64	5320	15.44	16.50	No
	802.11n(HT40)	54	5270	15.49	16.50	Yes
		62	5310	**15.51**	16.50	Yes
	802.11ac(VHT20)	52	5260	15.42	16.50	No
		60	5300	15.39	16.50	No
		64	5320	15.38	16.50	No
	802.11ac(VHT40)	54	5270	15.49	16.50	No
		62	5310	15.51	16.50	No
	802.11ac(VHT80)	58	5290	12.86	13.50	No
	802.11ax(HE20)	52	5260	15.56	16.50	No
		60	5300	15.50	16.50	No

		64	5320	15.60	16.50	No
	802.11ax(HE40)	54	5270	15.67	16.50	No
		62	5310	15.58	16.50	No
	802.11ax(HE80)	58	5290	12.78	13.50	No
5.6 (5.47~5.725)	802.11a	100	5500	16.06	16.50	No
		116	5580	16.05	16.50	No
		120	5600	16.06	16.50	No
		140	5700	16.33	16.50	No
		144	5720	16.30	16.50	No
	802.11n(HT20)	100	5500	16.21	16.50	No
		116	5580	15.96	16.50	No
		140	5700	16.18	16.50	No
		144	5720	16.06	16.50	No
	802.11n(HT40)	102	5510	16.16	16.50	No
		118	5590	16.16	16.50	No
		134	5670	16.23	16.50	No
		142	5710	16.09	16.50	No
	802.11ac(VHT20)	100	5500	16.05	16.50	No
		116	5580	16.06	16.50	No
		140	5700	16.17	16.50	No
		144	5720	16.16	16.50	No
	802.11ac(VHT40)	102	5510	16.17	16.50	No
		118	5590	16.07	16.50	No
		134	5670	16.20	16.50	No
		142	5710	16.19	16.50	No
	802.11ac(VHT80)	106	5530	**16.11**	16.50	Yes
		122	5610	16.05	16.50	Yes
	802.11ax(HE20)	100	5500	15.98	16.50	No
		116	5580	16.19	16.50	No
		140	5700	16.11	16.50	No
		144	5720	16.07	16.50	No
	802.11ax(HE40)	102	5510	15.90	16.50	No
		118	5590	16.19	16.50	No
		134	5670	16.19	16.50	No
		142	5710	16.11	16.50	No
	802.11ax(HE80)	106	5530	15.94	16.50	No
		122	5610	16.19	16.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.32	16.00	No
		157	5785	15.38	16.00	No

		165	5825	15.40	16.00	No
	802.11n(HT20)	149	5745	15.42	16.00	No
		157	5785	15.22	16.00	No
		165	5825	15.35	16.00	No
	802.11n(HT40)	151	5755	15.20	16.00	No
		159	5795	15.25	16.00	No
	802.11ac(VHT20)	149	5745	15.33	16.00	No
		157	5785	15.44	16.00	No
		165	5825	15.24	16.00	No
	802.11ac(VHT40)	151	5755	15.26	16.00	No
		159	5795	15.28	16.00	No
	802.11ac(VHT80)	155	5775	**15.34**	16.00	Yes
	802.11ax(HE20)	149	5745	15.32	16.00	No
		157	5785	15.28	16.00	No
		165	5825	15.29	16.00	No
	802.11ax(HE40)	151	5755	15.22	16.00	No
		159	5795	15.42	16.00	No
	802.11ax(HE80)	155	5775	15.22	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.						

8.6.31 5G WIFI Level5 ANT7 (Sensor on2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	11.01	12.00	No
		44	5220	11.07	12.00	No
		48	5240	11.23	12.00	No
	802.11n(HT20)	36	5180	11.35	12.00	No
		44	5220	11.44	12.00	No
		48	5240	11.20	12.00	No
	802.11n(HT40)	38	5190	**11.44**	12.00	Yes
		46	5230	11.31	12.00	Yes
	802.11ac(VHT20)	36	5180	11.37	12.00	No
		44	5220	11.35	12.00	No
		48	5240	11.31	12.00	No
	802.11ac(VHT40)	38	5190	11.45	12.00	No
		46	5230	11.36	12.00	No
	802.11ac(VHT80)	42	5210	11.34	12.00	No
	802.11ax(HE20)	36	5180	11.42	12.00	No
		40	5200	11.42	12.00	No
		48	5240	11.41	12.00	No
	802.11ax(HE40)	38	5190	11.44	12.00	No
		46	5230	11.25	12.00	No
	802.11ax(HE80)	42	5210	11.20	12.00	No
5.3 (5.25~5.35)	802.11a	52	5260	11.08	12.00	No
		60	5300	11.08	12.00	No
		64	5320	11.08	12.00	No
	802.11n(HT20)	52	5260	10.98	12.00	No
		60	5300	11.04	12.00	No
		64	5320	11.18	12.00	No
	802.11n(HT40)	54	5270	11.08	12.00	Yes
		62	5310	**11.12**	12.00	Yes
	802.11ac(VHT20)	52	5260	11.07	12.00	No
		60	5300	11.12	12.00	No
		64	5320	11.04	12.00	No
	802.11ac(VHT40)	54	5270	11.18	12.00	No
		62	5310	11.17	12.00	No
	802.11ac(VHT80)	58	5290	11.03	12.00	No
	802.11ax(HE20)	52	5260	11.34	12.00	No
		60	5300	11.11	12.00	No

		64	5320	11.08	12.00	No
	802.11ax(HE40)	54	5270	11.23	12.00	No
		62	5310	11.06	12.00	No
	802.11ax(HE80)	58	5290	11.15	12.00	No
5.6 (5.47~5.725)	802.11a	100	5500	12.21	12.50	No
		116	5580	12.24	12.50	No
		120	5600	12.16	12.50	No
		140	5700	12.12	12.50	No
		144	5720	12.31	12.50	No
	802.11n(HT20)	100	5500	12.28	12.50	No
		116	5580	12.37	12.50	No
		140	5700	12.26	12.50	No
		144	5720	12.33	12.50	No
	802.11n(HT40)	102	5510	12.25	12.50	No
		118	5590	12.19	12.50	No
		134	5670	12.39	12.50	No
		142	5710	12.20	12.50	No
	802.11ac(VHT20)	100	5500	12.31	12.50	No
		116	5580	12.27	12.50	No
		140	5700	12.34	12.50	No
		144	5720	12.29	12.50	No
	802.11ac(VHT40)	102	5510	12.34	12.50	No
		118	5590	12.39	12.50	No
		134	5670	12.36	12.50	No
		142	5710	12.31	12.50	No
	802.11ac(VHT80)	106	5530	12.25	12.50	Yes
		122	5610	**12.26**	12.50	Yes
	802.11ax(HE20)	100	5500	12.21	12.50	No
		116	5580	12.26	12.50	No
		140	5700	12.31	12.50	No
		144	5720	12.13	12.50	No
	802.11ax(HE40)	102	5510	12.25	12.50	No
		118	5590	12.19	12.50	No
		134	5670	12.38	12.50	No
		142	5710	12.29	12.50	No
	802.11ax(HE80)	106	5530	12.20	12.50	No
		122	5610	12.39	12.50	No
5.8 (5.725~5.850)	802.11a	149	5745	12.36	13.00	No
		157	5785	12.51	13.00	No

		165	5825	12.34	13.00	No
	802.11n(HT20)	149	5745	12.40	13.00	No
		157	5785	12.52	13.00	No
		165	5825	12.42	13.00	No
	802.11n(HT40)	151	5755	12.34	13.00	No
		159	5795	12.33	13.00	No
	802.11ac(VHT20)	149	5745	12.42	13.00	No
		157	5785	12.48	13.00	No
		165	5825	12.50	13.00	No
	802.11ac(VHT40)	151	5755	12.34	13.00	No
		159	5795	12.26	13.00	No
	802.11ac(VHT80)	155	5775	**12.40**	13.00	Yes
	802.11ax(HE20)	149	5745	12.36	13.00	No
		157	5785	12.35	13.00	No
		165	5825	12.37	13.00	No
	802.11ax(HE40)	151	5755	12.27	13.00	No
		159	5795	12.27	13.00	No
	802.11ax(HE80)	155	5775	12.26	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.						

8.6.32 5G WIFI Full power MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.79	19.50	No
		44	5220	18.91	19.50	No
		48	5240	19.08	19.50	No
	802.11n(HT20)	36	5180	18.88	19.50	No
		44	5220	18.79	19.50	No
		48	5240	18.86	19.50	No
	802.11n(HT40)	38	5190	19.01	19.50	No
		46	5230	18.89	19.50	No
	802.11ac(VHT20)	36	5180	18.89	19.50	No
		44	5220	18.90	19.50	No
		48	5240	18.87	19.50	No
	802.11ac(VHT40)	38	5190	18.90	19.50	No
		46	5230	18.82	19.50	No
	802.11ac(VHT80)	42	5210	17.42	18.00	No
	802.11ax(HE20)	36	5180	18.67	19.50	No
		40	5200	18.73	19.50	No
		48	5240	18.83	19.50	No
	802.11ax(HE40)	38	5190	18.76	19.50	No
		46	5230	18.75	19.50	No
	802.11ax(HE80)	42	5210	17.38	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	19.28	19.50	No
		60	5300	19.25	19.50	No
		64	5320	19.48	19.50	No
	802.11n(HT20)	52	5260	18.92	19.50	No
		60	5300	18.76	19.50	No
		64	5320	19.06	19.50	No
	802.11n(HT40)	54	5270	18.86	19.50	No
		62	5310	18.90	19.50	No
	802.11ac(VHT20)	52	5260	18.91	19.50	No
		60	5300	19.04	19.50	No
		64	5320	18.92	19.50	No
	802.11ac(VHT40)	54	5270	19.04	19.50	No
		62	5310	18.84	19.50	No
	802.11ac(VHT80)	58	5290	15.79	16.50	No
	802.11ax(HE20)	52	5260	19.08	19.50	No
		60	5300	19.09	19.50	No

		64	5320	18.95	19.50	No
	802.11ax(HE40)	54	5270	18.92	19.50	No
		62	5310	18.99	19.50	No
	802.11ax(HE80)	58	5290	16.32	16.50	No
5.6 (5.47~5.725)	802.11a	100	5500	19.07	19.50	No
		116	5580	19.06	19.50	No
		120	5600	19.07	19.50	No
		140	5700	19.34	19.50	No
		144	5720	19.31	19.50	No
	802.11n(HT20)	100	5500	18.92	19.50	No
		116	5580	18.94	19.50	No
		140	5700	18.92	19.50	No
		144	5720	18.91	19.50	No
	802.11n(HT40)	102	5510	19.00	19.50	No
		118	5590	18.99	19.50	No
		134	5670	18.97	19.50	No
		142	5710	18.80	19.50	No
	802.11ac(VHT20)	100	5500	18.91	19.50	No
		116	5580	19.00	19.50	No
		140	5700	18.92	19.50	No
		144	5720	18.90	19.50	No
	802.11ac(VHT40)	102	5510	18.96	19.50	No
		118	5590	18.82	19.50	No
		134	5670	18.79	19.50	No
		142	5710	18.90	19.50	No
	802.11ac(VHT80)	106	5530	19.22	19.50	No
		122	5610	19.28	19.50	No
	802.11ax(HE20)	100	5500	19.54	19.50	No
		116	5580	19.58	19.50	No
		140	5700	19.48	19.50	No
		144	5720	19.50	19.50	No
	802.11ax(HE40)	102	5510	19.55	19.50	No
		118	5590	19.41	19.50	No
		134	5670	19.50	19.50	No
		142	5710	19.40	19.50	No
	802.11ax(HE80)	106	5530	19.54	19.50	No
		122	5610	19.51	19.50	No
5.8 (5.725~5.850)	802.11a	149	5745	21.95	22.50	No
		157	5785	21.86	22.50	No

		165	5825	21.75	22.50	No
	802.11n(HT20)	149	5745	21.95	22.50	No
		157	5785	22.00	22.50	No
		165	5825	21.96	22.50	No
	802.11n(HT40)	151	5755	22.08	22.50	No
		159	5795	22.01	22.50	No
	802.11ac(VHT20)	149	5745	21.92	22.50	No
		157	5785	21.97	22.50	No
		165	5825	21.88	22.50	No
	802.11ac(VHT40)	151	5755	21.86	22.50	No
		159	5795	21.89	22.50	No
	802.11ac(VHT80)	155	5775	22.15	22.50	No
	802.11ax(HE20)	149	5745	21.75	22.50	No
		157	5785	21.91	22.50	No
		165	5825	21.82	22.50	No
	802.11ax(HE40)	151	5755	21.89	22.50	No
		159	5795	21.81	22.50	No
	802.11ax(HE80)	155	5775	18.24	19.00	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.						

8.6.33 5G WIFI Level1 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	18.41	18.50	No
		44	5220	18.41	18.50	No
		48	5240	18.45	18.50	No
	802.11n(HT20)	36	5180	18.48	18.50	No
		44	5220	18.43	18.50	No
		48	5240	18.49	18.50	No
	802.11n(HT40)	38	5190	18.24	18.50	No
		46	5230	17.95	18.50	No
	802.11ac(VHT20)	36	5180	18.38	18.50	No
		44	5220	18.32	18.50	No
		48	5240	18.45	18.50	No
	802.11ac(VHT40)	38	5190	18.39	18.50	No
		46	5230	18.32	18.50	No
	802.11ac(VHT80)	42	5210	17.82	18.00	No
	802.11ax(HE20)	36	5180	17.80	18.50	No
		40	5200	17.89	18.50	No
		48	5240	17.93	18.50	No
	802.11ax(HE40)	38	5190	17.90	18.50	No
		46	5230	17.84	18.50	No
	802.11ax(HE80)	42	5210	17.38	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	18.43	18.50	No
		60	5300	18.24	18.50	No
		64	5320	18.36	18.50	No
	802.11n(HT20)	52	5260	18.40	18.50	No
		60	5300	18.43	18.50	No
		64	5320	18.45	18.50	No
	802.11n(HT40)	54	5270	17.83	18.50	Yes
		62	5310	**17.89**	18.50	Yes
	802.11ac(VHT20)	52	5260	18.38	18.50	No
		60	5300	18.40	18.50	No
		64	5320	18.40	18.50	No
	802.11ac(VHT40)	54	5270	18.39	18.50	No
		62	5310	18.46	18.50	No
	802.11ac(VHT80)	58	5290	15.79	16.50	No
	802.11ax(HE20)	52	5260	18.39	18.50	No
		60	5300	18.42	18.50	No

		64	5320	18.32	18.50	No
	802.11ax(HE40)	54	5270	18.32	18.50	No
		62	5310	18.36	18.50	No
	802.11ax(HE80)	58	5290	16.32	16.50	No
5.6 (5.47~5.725)	802.11a	100	5500	18.39	18.50	No
		116	5580	18.45	18.50	No
		120	5600	18.51	18.50	No
		140	5700	18.34	18.50	No
		144	5720	18.51	18.50	No
	802.11n(HT20)	100	5500	18.44	18.50	No
		116	5580	18.49	18.50	No
		140	5700	18.30	18.50	No
		144	5720	18.44	18.50	No
	802.11n(HT40)	102	5510	18.31	18.50	No
		118	5590	18.44	18.50	No
		134	5670	18.51	18.50	No
		142	5710	18.34	18.50	No
	802.11ac(VHT20)	100	5500	18.31	18.50	No
		116	5580	18.34	18.50	No
		140	5700	18.45	18.50	No
		144	5720	18.44	18.50	No
	802.11ac(VHT40)	102	5510	18.51	18.50	No
		118	5590	18.38	18.50	No
		134	5670	18.29	18.50	No
		142	5710	18.40	18.50	No
	802.11ac(VHT80)	106	5530	17.81	18.50	Yes
		122	5610	**17.89**	18.50	Yes
	802.11ax(HE20)	100	5500	18.47	18.50	No
		116	5580	18.51	18.50	No
		140	5700	18.32	18.50	No
		144	5720	18.46	18.50	No
	802.11ax(HE40)	102	5510	18.56	18.50	No
		118	5590	18.36	18.50	No
		134	5670	18.41	18.50	No
		142	5710	18.40	18.50	No
	802.11ax(HE80)	106	5530	18.39	18.50	No
		122	5610	18.44	18.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.66	19.00	No
		157	5785	18.80	19.00	No

		165	5825	18.50	19.00	No
	802.11n(HT20)	149	5745	18.31	19.00	No
		157	5785	18.43	19.00	No
		165	5825	18.33	19.00	No
	802.11n(HT40)	151	5755	18.39	19.00	No
		159	5795	18.39	19.00	No
	802.11ac(VHT20)	149	5745	18.54	19.00	No
		157	5785	18.51	19.00	No
		165	5825	18.40	19.00	No
	802.11ac(VHT40)	151	5755	18.46	19.00	No
		159	5795	18.38	19.00	No
	802.11ac(VHT80)	155	5775	**18.39**	19.00	Yes
	802.11ax(HE20)	149	5745	18.27	19.00	No
		157	5785	18.27	19.00	No
		165	5825	18.21	19.00	No
	802.11ax(HE40)	151	5755	18.24	19.00	No
		159	5795	18.25	19.00	No
	802.11ax(HE80)	155	5775	18.24	19.00	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.						

8.6.34 5G WIFI Level2 MIMO

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.02	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.24	15.00	No
	802.11n(HT20)	36	5180	14.16	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.03	15.00	No
	802.11n(HT40)	38	5190	14.17	15.00	No
		46	5230	14.11	15.00	No
	802.11ac(VHT20)	36	5180	14.23	15.00	No
		44	5220	14.20	15.00	No
		48	5240	14.01	15.00	No
	802.11ac(VHT40)	38	5190	14.10	15.00	No
		46	5230	14.04	15.00	No
	802.11ac(VHT80)	42	5210	14.47	15.00	No
	802.11ax(HE20)	36	5180	14.66	15.00	No
		40	5200	14.67	15.00	No
		48	5240	14.67	15.00	No
	802.11ax(HE40)	38	5190	14.57	15.00	No
		46	5230	14.55	15.00	No
	802.11ax(HE80)	42	5210	14.51	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.36	15.00	No
		60	5300	14.28	15.00	No
		64	5320	14.33	15.00	No
	802.11n(HT20)	52	5260	14.33	15.00	No
		60	5300	14.35	15.00	No
		64	5320	14.32	15.00	No
	802.11n(HT40)	54	5270	**14.39**	15.00	Yes
		62	5310	14.39	15.00	Yes
	802.11ac(VHT20)	52	5260	14.41	15.00	No
		60	5300	14.29	15.00	No
		64	5320	14.29	15.00	No
	802.11ac(VHT40)	54	5270	14.44	15.00	No
		62	5310	14.40	15.00	No
	802.11ac(VHT80)	58	5290	14.52	15.00	No
	802.11ax(HE20)	52	5260	14.31	15.00	No
		60	5300	14.24	15.00	No

		64	5320	14.32	15.00	No
	802.11ax(HE40)	54	5270	14.34	15.00	No
		62	5310	14.33	15.00	No
	802.11ax(HE80)	58	5290	14.33	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.53	15.00	No
		116	5580	14.62	15.00	No
		120	5600	14.54	15.00	No
		140	5700	14.48	15.00	No
		144	5720	14.46	15.00	No
	802.11n(HT20)	100	5500	14.57	15.00	No
		116	5580	14.47	15.00	No
		140	5700	14.59	15.00	No
		144	5720	14.55	15.00	No
	802.11n(HT40)	102	5510	14.58	15.00	No
		118	5590	14.54	15.00	No
		134	5670	14.56	15.00	No
		142	5710	14.53	15.00	No
	802.11ac(VHT20)	100	5500	14.61	15.00	No
		116	5580	14.48	15.00	No
		140	5700	14.45	15.00	No
		144	5720	14.49	15.00	No
	802.11ac(VHT40)	102	5510	14.48	15.00	No
		118	5590	14.68	15.00	No
		134	5670	14.42	15.00	No
		142	5710	14.44	15.00	No
	802.11ac(VHT80)	106	5530	14.42	15.00	Yes
		122	5610	**14.51**	15.00	Yes
	802.11ax(HE20)	100	5500	14.71	15.00	No
		116	5580	14.85	15.00	No
		140	5700	14.82	15.00	No
		144	5720	14.79	15.00	No
	802.11ax(HE40)	102	5510	14.76	15.00	No
		118	5590	14.74	15.00	No
		134	5670	14.80	15.00	No
		142	5710	14.77	15.00	No
	802.11ax(HE80)	106	5530	14.69	15.00	No
		122	5610	14.79	15.00	No
5.8 (5.725~5.850)	802.11a	149	5745	14.92	15.00	No
		157	5785	14.76	15.00	No

		165	5825	14.85	15.00	No
	802.11n(HT20)	149	5745	14.93	15.00	No
		157	5785	14.84	15.00	No
		165	5825	14.96	15.00	No
	802.11n(HT40)	151	5755	14.87	15.00	No
		159	5795	14.90	15.00	No
	802.11ac(VHT20)	149	5745	14.86	15.00	No
		157	5785	14.88	15.00	No
		165	5825	14.93	15.00	No
	802.11ac(VHT40)	151	5755	14.91	15.00	No
		159	5795	14.90	15.00	No
	802.11ac(VHT80)	155	5775	**14.34**	15.00	Yes
	802.11ax(HE20)	149	5745	14.42	15.00	No
		157	5785	14.42	15.00	No
		165	5825	14.29	15.00	No
	802.11ax(HE40)	151	5755	14.33	15.00	No
		159	5795	14.27	15.00	No
	802.11ax(HE80)	155	5775	14.21	15.00	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.						

8.6.35 5G WIFI Level4 MIMO (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.79	18.50	No
		44	5220	17.91	18.50	No
		48	5240	18.08	18.50	No
	802.11n(HT20)	36	5180	17.88	18.50	No
		44	5220	17.79	18.50	No
		48	5240	17.86	18.50	No
	802.11n(HT40)	38	5190	**17.89**	18.50	Yes
		46	5230	17.81	18.50	Yes
	802.11ac(VHT20)	36	5180	17.89	18.50	No
		44	5220	17.90	18.50	No
		48	5240	17.87	18.50	No
	802.11ac(VHT40)	38	5190	17.90	18.50	No
		46	5230	17.82	18.50	No
	802.11ac(VHT80)	42	5210	17.42	18.00	No
	802.11ax(HE20)	36	5180	17.80	18.50	No
		40	5200	17.89	18.50	No
		48	5240	17.93	18.50	No
	802.11ax(HE40)	38	5190	17.90	18.50	No
		46	5230	17.84	18.50	No
	802.11ax(HE80)	42	5210	17.38	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	19.28	19.50	No
		60	5300	19.25	19.50	No
		64	5320	19.48	19.50	No
	802.11n(HT20)	52	5260	18.92	19.50	No
		60	5300	18.76	19.50	No
		64	5320	19.06	19.50	No
	802.11n(HT40)	54	5270	18.86	19.50	Yes
		62	5310	**18.90**	19.50	Yes
	802.11ac(VHT20)	52	5260	18.91	19.50	No
		60	5300	19.04	19.50	No
		64	5320	18.92	19.50	No
	802.11ac(VHT40)	54	5270	19.04	19.50	No
		62	5310	18.84	19.50	No
	802.11ac(VHT80)	58	5290	15.79	16.50	No
	802.11ax(HE20)	52	5260	19.08	19.50	No
		60	5300	19.09	19.50	No

		64	5320	18.95	19.50	No
	802.11ax(HE40)	54	5270	18.92	19.50	No
		62	5310	18.99	19.50	No
	802.11ax(HE80)	58	5290	16.32	16.50	No
5.6 (5.47~5.725)	802.11a	100	5500	19.07	19.50	No
		116	5580	19.06	19.50	No
		120	5600	19.07	19.50	No
		140	5700	19.34	19.50	No
		144	5720	19.31	19.50	No
	802.11n(HT20)	100	5500	18.92	19.50	No
		116	5580	18.94	19.50	No
		140	5700	18.92	19.50	No
		144	5720	18.91	19.50	No
	802.11n(HT40)	102	5510	19.00	19.50	No
		118	5590	18.99	19.50	No
		134	5670	18.97	19.50	No
		142	5710	18.80	19.50	No
	802.11ac(VHT20)	100	5500	18.91	19.50	No
		116	5580	19.00	19.50	No
		140	5700	18.92	19.50	No
		144	5720	18.90	19.50	No
	802.11ac(VHT40)	102	5510	18.96	19.50	No
		118	5590	18.82	19.50	No
		134	5670	18.79	19.50	No
		142	5710	18.90	19.50	No
	802.11ac(VHT80)	106	5530	19.22	19.50	Yes
		122	5610	**19.28**	19.50	Yes
	802.11ax(HE20)	100	5500	19.54	19.50	No
		116	5580	19.58	19.50	No
		140	5700	19.48	19.50	No
		144	5720	19.50	19.50	No
	802.11ax(HE40)	102	5510	19.55	19.50	No
		118	5590	19.41	19.50	No
		134	5670	19.50	19.50	No
		142	5710	19.40	19.50	No
	802.11ax(HE80)	106	5530	19.54	19.50	No
		122	5610	19.51	19.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.66	19.00	No
		157	5785	18.80	19.00	No

		165	5825	18.50	19.00	No
	802.11n(HT20)	149	5745	18.31	19.00	No
		157	5785	18.43	19.00	No
		165	5825	18.33	19.00	No
	802.11n(HT40)	151	5755	18.39	19.00	No
		159	5795	18.39	19.00	No
	802.11ac(VHT20)	149	5745	18.54	19.00	No
		157	5785	18.51	19.00	No
		165	5825	18.40	19.00	No
	802.11ac(VHT40)	151	5755	18.46	19.00	No
		159	5795	18.38	19.00	No
	802.11ac(VHT80)	155	5775	**18.39**	19.00	Yes
	802.11ax(HE20)	149	5745	18.27	19.00	No
		157	5785	18.27	19.00	No
		165	5825	18.21	19.00	No
	802.11ax(HE40)	151	5755	18.24	19.00	No
		159	5795	18.25	19.00	No
	802.11ax(HE80)	155	5775	18.24	19.00	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.						

8.6.36 5G WIFI Level5 MIMO (Sensor off)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.02	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.24	15.00	No
	802.11n(HT20)	36	5180	14.16	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.03	15.00	No
	802.11n(HT40)	38	5190	**14.17**	15.00	Yes
		46	5230	14.11	15.00	Yes
	802.11ac(VHT20)	36	5180	14.23	15.00	No
		44	5220	14.20	15.00	No
		48	5240	14.01	15.00	No
	802.11ac(VHT40)	38	5190	14.10	15.00	No
		46	5230	14.04	15.00	No
	802.11ac(VHT80)	42	5210	14.47	15.00	No
	802.11ax(HE20)	36	5180	14.66	15.00	No
		40	5200	14.67	15.00	No
		48	5240	14.67	15.00	No
	802.11ax(HE40)	38	5190	14.57	15.00	No
		46	5230	14.55	15.00	No
	802.11ax(HE80)	42	5210	14.51	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.36	15.00	No
		60	5300	14.28	15.00	No
		64	5320	14.33	15.00	No
	802.11n(HT20)	52	5260	14.33	15.00	No
		60	5300	14.35	15.00	No
		64	5320	14.32	15.00	No
	802.11n(HT40)	54	5270	**14.39**	15.00	Yes
		62	5310	14.39	15.00	Yes
	802.11ac(VHT20)	52	5260	14.41	15.00	No
		60	5300	14.29	15.00	No
		64	5320	14.29	15.00	No
	802.11ac(VHT40)	54	5270	14.44	15.00	No
		62	5310	14.40	15.00	No
	802.11ac(VHT80)	58	5290	14.52	15.00	No
	802.11ax(HE20)	52	5260	14.31	15.00	No
		60	5300	14.24	15.00	No

		64	5320	14.32	15.00	No
	802.11ax(HE40)	54	5270	14.34	15.00	No
		62	5310	14.33	15.00	No
	802.11ax(HE80)	58	5290	14.33	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.95	15.50	No
		116	5580	14.98	15.50	No
		120	5600	14.72	15.50	No
		140	5700	14.88	15.50	No
		144	5720	14.92	15.50	No
	802.11n(HT20)	100	5500	14.92	15.50	No
		116	5580	14.99	15.50	No
		140	5700	15.02	15.50	No
		144	5720	14.93	15.50	No
	802.11n(HT40)	102	5510	15.00	15.50	No
		118	5590	15.08	15.50	No
		134	5670	14.83	15.50	No
		142	5710	14.90	15.50	No
	802.11ac(VHT20)	100	5500	14.93	15.50	No
		116	5580	14.88	15.50	No
		140	5700	15.07	15.50	No
		144	5720	14.92	15.50	No
	802.11ac(VHT40)	102	5510	15.04	15.50	No
		118	5590	14.95	15.50	No
		134	5670	14.98	15.50	No
		142	5710	14.96	15.50	No
	802.11ac(VHT80)	106	5530	15.38	15.50	Yes
		122	5610	**15.45**	15.50	Yes
	802.11ax(HE20)	100	5500	15.12	15.50	No
		116	5580	15.01	15.50	No
		140	5700	15.06	15.50	No
		144	5720	15.02	15.50	No
	802.11ax(HE40)	102	5510	14.99	15.50	No
		118	5590	15.02	15.50	No
		134	5670	15.03	15.50	No
		142	5710	14.99	15.50	No
	802.11ax(HE80)	106	5530	14.91	15.50	No
		122	5610	15.01	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.79	16.00	No
		157	5785	15.80	16.00	No

		165	5825	15.70	16.00	No
	802.11n(HT20)	149	5745	15.50	16.00	No
		157	5785	15.50	16.00	No
		165	5825	15.56	16.00	No
	802.11n(HT40)	151	5755	15.55	16.00	No
		159	5795	15.48	16.00	No
	802.11ac(VHT20)	149	5745	15.58	16.00	No
		157	5785	15.44	16.00	No
		165	5825	15.38	16.00	No
	802.11ac(VHT40)	151	5755	15.51	16.00	No
		159	5795	15.52	16.00	No
	802.11ac(VHT80)	155	5775	**15.39**	16.00	Yes
	802.11ax(HE20)	149	5745	15.36	16.00	No
		157	5785	15.37	16.00	No
		165	5825	15.31	16.00	No
	802.11ax(HE40)	151	5755	15.47	16.00	No
		159	5795	15.34	16.00	No
	802.11ax(HE80)	155	5775	15.24	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.						

8.6.37 5G WIFI Level4 MIMO (Sensor on2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	17.79	18.50	No
		44	5220	17.91	18.50	No
		48	5240	18.08	18.50	No
	802.11n(HT20)	36	5180	17.88	18.50	No
		44	5220	17.79	18.50	No
		48	5240	17.86	18.50	No
	802.11n(HT40)	38	5190	**17.89**	18.50	Yes
		46	5230	17.81	18.50	Yes
	802.11ac(VHT20)	36	5180	17.89	18.50	No
		44	5220	17.90	18.50	No
		48	5240	17.87	18.50	No
	802.11ac(VHT40)	38	5190	17.90	18.50	No
		46	5230	17.82	18.50	No
	802.11ac(VHT80)	42	5210	17.42	18.00	No
	802.11ax(HE20)	36	5180	17.80	18.50	No
		40	5200	17.89	18.50	No
		48	5240	17.93	18.50	No
	802.11ax(HE40)	38	5190	17.90	18.50	No
		46	5230	17.84	18.50	No
	802.11ax(HE80)	42	5210	17.38	18.00	No
5.3 (5.25~5.35)	802.11a	52	5260	19.28	19.50	No
		60	5300	19.25	19.50	No
		64	5320	19.48	19.50	No
	802.11n(HT20)	52	5260	18.92	19.50	No
		60	5300	18.76	19.50	No
		64	5320	19.06	19.50	No
	802.11n(HT40)	54	5270	18.86	19.50	Yes
		62	5310	**18.90**	19.50	Yes
	802.11ac(VHT20)	52	5260	18.91	19.50	No
		60	5300	19.04	19.50	No
		64	5320	18.92	19.50	No
	802.11ac(VHT40)	54	5270	19.04	19.50	No
		62	5310	18.84	19.50	No
	802.11ac(VHT80)	58	5290	15.79	16.50	No
	802.11ax(HE20)	52	5260	19.08	19.50	No
		60	5300	19.09	19.50	No

		64	5320	18.95	19.50	No
	802.11ax(HE40)	54	5270	18.92	19.50	No
		62	5310	18.99	19.50	No
	802.11ax(HE80)	58	5290	16.32	16.50	No
5.6 (5.47~5.725)	802.11a	100	5500	19.07	19.50	No
		116	5580	19.06	19.50	No
		120	5600	19.07	19.50	No
		140	5700	19.34	19.50	No
		144	5720	19.31	19.50	No
	802.11n(HT20)	100	5500	18.92	19.50	No
		116	5580	18.94	19.50	No
		140	5700	18.92	19.50	No
		144	5720	18.91	19.50	No
	802.11n(HT40)	102	5510	19.00	19.50	No
		118	5590	18.99	19.50	No
		134	5670	18.97	19.50	No
		142	5710	18.80	19.50	No
	802.11ac(VHT20)	100	5500	18.91	19.50	No
		116	5580	19.00	19.50	No
		140	5700	18.92	19.50	No
		144	5720	18.90	19.50	No
	802.11ac(VHT40)	102	5510	18.96	19.50	No
		118	5590	18.82	19.50	No
		134	5670	18.79	19.50	No
		142	5710	18.90	19.50	No
	802.11ac(VHT80)	106	5530	19.22	19.50	Yes
		122	5610	**19.28**	19.50	Yes
	802.11ax(HE20)	100	5500	19.54	19.50	No
		116	5580	19.58	19.50	No
		140	5700	19.48	19.50	No
		144	5720	19.50	19.50	No
	802.11ax(HE40)	102	5510	19.55	19.50	No
		118	5590	19.41	19.50	No
		134	5670	19.50	19.50	No
		142	5710	19.40	19.50	No
	802.11ax(HE80)	106	5530	19.54	19.50	No
		122	5610	19.51	19.50	No
5.8 (5.725~5.850)	802.11a	149	5745	18.66	19.00	No
		157	5785	18.80	19.00	No

		165	5825	18.50	19.00	No
	802.11n(HT20)	149	5745	18.31	19.00	No
		157	5785	18.43	19.00	No
		165	5825	18.33	19.00	No
	802.11n(HT40)	151	5755	18.39	19.00	No
		159	5795	18.39	19.00	No
	802.11ac(VHT20)	149	5745	18.54	19.00	No
		157	5785	18.51	19.00	No
		165	5825	18.40	19.00	No
	802.11ac(VHT40)	151	5755	18.46	19.00	No
		159	5795	18.38	19.00	No
	802.11ac(VHT80)	155	5775	**18.39**	19.00	Yes
	802.11ax(HE20)	149	5745	18.27	19.00	No
		157	5785	18.27	19.00	No
		165	5825	18.21	19.00	No
	802.11ax(HE40)	151	5755	18.24	19.00	No
		159	5795	18.25	19.00	No
	802.11ax(HE80)	155	5775	18.24	19.00	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.						

8.6.38 5G WIFI Level5 MIMO (Sensor on2)

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	14.02	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.24	15.00	No
	802.11n(HT20)	36	5180	14.16	15.00	No
		44	5220	14.08	15.00	No
		48	5240	14.03	15.00	No
	802.11n(HT40)	38	5190	14.07	15.00	Yes
		46	5230	**14.11**	15.00	Yes
	802.11ac(VHT20)	36	5180	14.23	15.00	No
		44	5220	14.20	15.00	No
		48	5240	14.01	15.00	No
	802.11ac(VHT40)	38	5190	14.10	15.00	No
		46	5230	14.04	15.00	No
	802.11ac(VHT80)	42	5210	14.47	15.00	No
	802.11ax(HE20)	36	5180	14.66	15.00	No
		40	5200	14.67	15.00	No
		48	5240	14.67	15.00	No
	802.11ax(HE40)	38	5190	14.57	15.00	No
		46	5230	14.55	15.00	No
	802.11ax(HE80)	42	5210	14.51	15.00	No
5.3 (5.25~5.35)	802.11a	52	5260	14.36	15.00	No
		60	5300	14.28	15.00	No
		64	5320	14.33	15.00	No
	802.11n(HT20)	52	5260	14.33	15.00	No
		60	5300	14.35	15.00	No
		64	5320	14.32	15.00	No
	802.11n(HT40)	54	5270	**14.39**	15.00	Yes
		62	5310	14.39	15.00	Yes
	802.11ac(VHT20)	52	5260	14.41	15.00	No
		60	5300	14.29	15.00	No
		64	5320	14.29	15.00	No
	802.11ac(VHT40)	54	5270	14.44	15.00	No
		62	5310	14.40	15.00	No
	802.11ac(VHT80)	58	5290	14.52	15.00	No
	802.11ax(HE20)	52	5260	14.31	15.00	No
		60	5300	14.24	15.00	No

		64	5320	14.32	15.00	No
	802.11ax(HE40)	54	5270	14.34	15.00	No
		62	5310	14.33	15.00	No
	802.11ax(HE80)	58	5290	14.33	15.00	No
5.6 (5.47~5.725)	802.11a	100	5500	14.95	15.50	No
		116	5580	14.98	15.50	No
		120	5600	14.72	15.50	No
		140	5700	14.88	15.50	No
		144	5720	14.92	15.50	No
	802.11n(HT20)	100	5500	14.92	15.50	No
		116	5580	14.99	15.50	No
		140	5700	15.02	15.50	No
		144	5720	14.93	15.50	No
	802.11n(HT40)	102	5510	15.00	15.50	No
		118	5590	15.08	15.50	No
		134	5670	14.83	15.50	No
		142	5710	14.90	15.50	No
	802.11ac(VHT20)	100	5500	14.93	15.50	No
		116	5580	14.88	15.50	No
		140	5700	15.07	15.50	No
		144	5720	14.92	15.50	No
	802.11ac(VHT40)	102	5510	15.04	15.50	No
		118	5590	14.95	15.50	No
		134	5670	14.98	15.50	No
		142	5710	14.96	15.50	No
	802.11ac(VHT80)	106	5530	15.38	15.50	Yes
		122	5610	**15.45**	15.50	Yes
	802.11ax(HE20)	100	5500	15.12	15.50	No
		116	5580	15.01	15.50	No
		140	5700	15.06	15.50	No
		144	5720	15.02	15.50	No
	802.11ax(HE40)	102	5510	14.99	15.50	No
		118	5590	15.02	15.50	No
		134	5670	15.03	15.50	No
		142	5710	14.99	15.50	No
	802.11ax(HE80)	106	5530	14.91	15.50	No
		122	5610	15.01	15.50	No
5.8 (5.725~5.850)	802.11a	149	5745	15.79	16.00	No
		157	5785	15.80	16.00	No

		165	5825	15.70	16.00	No
	802.11n(HT20)	149	5745	15.50	16.00	No
		157	5785	15.50	16.00	No
		165	5825	15.56	16.00	No
	802.11n(HT40)	151	5755	15.55	16.00	No
		159	5795	15.48	16.00	No
	802.11ac(VHT20)	149	5745	15.58	16.00	No
		157	5785	15.44	16.00	No
		165	5825	15.38	16.00	No
	802.11ac(VHT40)	151	5755	15.51	16.00	No
		159	5795	15.52	16.00	No
	802.11ac(VHT80)	155	5775	**15.39**	16.00	Yes
	802.11ax(HE20)	149	5745	15.36	16.00	No
		157	5785	15.37	16.00	No
		165	5825	15.31	16.00	No
	802.11ax(HE40)	151	5755	15.47	16.00	No
		159	5795	15.34	16.00	No
	802.11ax(HE80)	155	5775	15.24	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.						

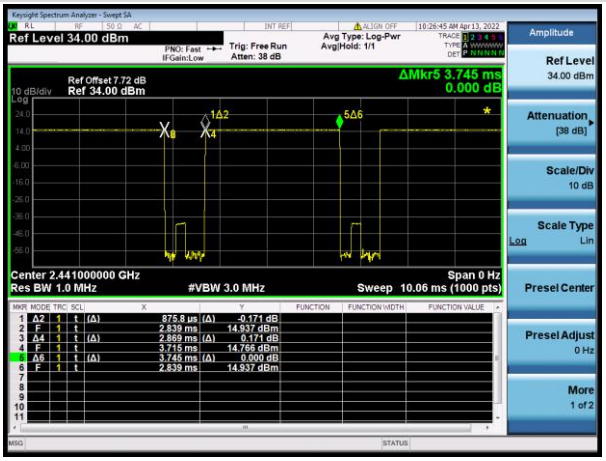
8.7 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	13.42	14.20	15.54	11.46	11.32	11.71
Tune-Up Limit (dBm)	16.00			13.00		
SAR Test Require	Yes	Yes	Yes	No	No	No
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	10.34	10.07	10.04	/	/	/
Tune-Up Limit (dBm)	13.00			/		
SAR Test Require	No	No	No	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	5.35	5.36	5.22	5.34	5.58	5.11
Tune-Up Limit (dBm)	7.00			7.00		
SAR Test Require	No	No	No	No	No	No

Note: The Bluetooth duty cycle is 76.61 % 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



8.8 Power Reduction List

1.This mobile phone device supports the receiver detection mechanism. This device uses the receiver to indicate whether the user is making a call in head.
2.When device is making call in head, the power reduction will applied for SAR compliance.
3.This device uses the P-sensor to detect Body and Limb state.
4. The power reduction state of the Hotspot is consistent with the power reduction of the body's P-Sensor trigger state.

WWAN Antenna0 Reduced power level table

Reduced level	Sensor state	Receiver state	Transmitting conditions	Position
Level 1	N/A	On (head scenario)	WWAN Use Only	/
Level 2	N/A	On (head scenario)	WWAN + WLAN2.4G&5G	/
Level 3	N/A	On (head scenario)	WWAN + WLAN2.4G+5G	/
Level 4	on(sensor1)	Off (Body scenario)	WWAN Use Only	Front/Back/Right/Bottom
Level 5	on(sensor1)	Off (Body scenario)	WWAN + WLAN2.4G&5G	Front/Back/Right/Bottom
Level 6	on(sensor1)	Off (Body scenario)	WWAN + WLAN2.4G+5G	Front/Back/Right/Bottom
Level 4	off	Off (Body scenario)	WWAN Use Only	Top/Left
Level 5	off	Off (Body scenario)	WWAN + WLAN2.4G&5G	Top/Left
Level 6	off	Off (Body scenario)	WWAN + WLAN2.4G+5G	Top/Left

WWAN Antenna1 Reduced power level table

Reduced level	Sensor state	Receiver state	Transmitting conditions	Position
Level 1	N/A	On (head scenario)	WWAN Use Only	/
Level 2	N/A	On (head scenario)	WWAN + WLAN2.4G&5G	/
Level 3	N/A	On (head scenario)	WWAN + WLAN2.4G+5G	/
Level 4	on(sensor2)	Off (Body scenario)	WWAN Use Only	Front/Back/Right/Top

Level 5	on(sensor2)	Off (Body scenario)	WWAN + WLAN2.4G&5G	Front/Back/Right/Top
Level 6	on(sensor2)	Off (Body scenario)	WWAN + WLAN2.4G+5G	Front/Back/Right/Top
Level 4	off	Off (Body scenario)	WWAN Use Only	Left/Bottom
Level 5	off	Off (Body scenario)	WWAN + WLAN2.4G&5G	Left/Bottom
Level 6	off	Off (Body scenario)	WWAN + WLAN2.4G+5G	Left/Bottom

WLAN Antenna7 Reduced power level table

Reduced level	Sensor state	Receiver state	Transmitting conditions	Position
Level 1	N/A	On (head scenario)	WLAN Use Only	/
Level 2	N/A	On (head scenario)	WWAN + WLAN2.4G&5G	/
Level 3	N/A	On (head scenario)	WWAN + WLAN2.4G+5G	/
Level 4	on(sensor2)	Off (Body scenario)	WLAN Use Only	Front/Back/Left/Top
Level 5	on(sensor2)	Off (Body scenario)	WWAN + WLAN2.4G&5G	Front/Back/Left/Top
Level 6	on(sensor2)	Off (Body scenario)	WWAN + WLAN2.4G+5G	Front/Back/Left/Top
Level 4	off	Off (Body scenario)	WLAN Use Only	Right/Bottom
Level 5	off	Off (Body scenario)	WWAN + WLAN2.4G&5G	Right/Bottom
Level 6	off	Off (Body scenario)	WWAN + WLAN2.4G+5G	Right/Bottom

WLAN Antenna2 Reduced power level table

Reduced level	Sensor state	Receiver state	Transmitting conditions	Position
Level 1	N/A	On (head scenario)	WLAN Use Only	/
Level 2	N/A	On (head scenario)	WWAN + WLAN2.4G&5G	/
Level 3	N/A	On (head scenario)	WWAN + WLAN2.4G+5G	/

Level 4	N/A	Off (Body scenario)	WLAN Use Only	Front/Back/Left/Right/Top/Bottom
Level 5	N/A	Off (Body scenario)	WWAN + WLAN2.4G&5G	Front/Back/Left/Right/Top/Bottom
Level 6	N/A	Off (Body scenario)	WWAN + WLAN2.4G+5G	Front/Back/Left/Right/Top/Bottom

WLAN Antenna2&7 Reduced power level table

Reduced level	Sensor state	Receiver state	Transmitting conditions	Position
Level 1	N/A	On (head scenario)	WLAN Use Only	/
Level 2	N/A	On (head scenario)	WWAN + WLAN2.4G&5G	/
Level 3	N/A	On (head scenario)	WWAN + WLAN2.4G+5G	/
Level 4	on(sensor2)	Off (Body scenario)	WLAN Use Only	Front/Back/Left/Top
Level 5	on(sensor2)	Off (Body scenario)	WWAN + WLAN2.4G&5G	Front/Back/Left/Top
Level 6	on(sensor2)	Off (Body scenario)	WWAN + WLAN2.4G+5G	Front/Back/Left/Top
Level 4	off	Off (Body scenario)	WLAN Use Only	Right/Bottom
Level 5	off	Off (Body scenario)	WWAN + WLAN2.4G&5G	Right/Bottom
Level 6	off	Off (Body scenario)	WWAN + WLAN2.4G+5G	Right/Bottom

Mode	Antenna	WWAN Antenna						
		Full Power	Receiver on		Receiver off			
			Head		BodyWorn&Specific		BodyWorn&Hotspot& Specific	
			Standalone	Simultaneous transmission +WLAN	Standalone		Simultaneous transmission +WLAN	
			Level1	Level2&3	Level4 （OFF）	Level4 （ON）	Level5&6 （OFF）	Level5&6 （ON）
GSM 850	Ant1	33.60	31.10	31.10	33.60	33.60	33.60	33.60
GPRS850 1 Tx Slot	Ant1	33.60	31.10	31.10	33.60	33.60	33.60	33.60
GPRS850 2 Tx Slots	Ant1	30.60	28.10	28.10	30.60	30.60	30.60	30.60
GPRS850 3 Tx Slots	Ant1	29.60	27.10	27.10	29.60	29.60	29.60	29.60
GPRS850 4 Tx Slots	Ant1	28.60	26.10	26.10	28.60	28.60	28.60	28.60
EGPRS850 1 Tx Slot	Ant1	27.80	25.30	25.30	27.80	27.80	27.80	27.80
EGPRS850 2 Tx Slots	Ant1	25.80	23.30	23.30	25.80	25.80	25.80	25.80
EGPRS850 3 Tx Slots	Ant1	24.30	21.80	21.80	24.30	24.30	24.30	24.30
EGPRS850 4 Tx Slots	Ant1	23.30	20.80	20.80	23.30	23.30	23.30	23.30
GSM 850	Ant0	33.80	33.80	33.80	33.80	33.80	33.80	33.80
GPRS850 1 Tx Slot	Ant0	33.80	33.80	33.80	33.80	33.80	33.80	33.80
GPRS850 2 Tx Slots	Ant0	30.80	30.80	30.80	30.80	30.80	30.80	30.80
GPRS850 3 Tx Slots	Ant0	29.80	29.80	29.80	29.80	29.80	29.80	29.80
GPRS850 4 Tx Slots	Ant0	28.80	28.80	28.80	28.80	28.80	28.80	28.80
EGPRS850 1 Tx Slot	Ant0	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 2 Tx Slots	Ant0	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS850 4 Tx Slots	Ant0	23.50	23.50	23.50	23.50	23.50	23.50	23.50
GSM 1900	Ant1	30.30	24.80	24.80	30.30	29.30	30.30	29.30
GPRS1900 1 Tx Slot	Ant1	30.30	24.80	24.80	30.30	29.30	30.30	29.30
GPRS1900 2 Tx Slots	Ant1	27.80	22.30	22.30	27.80	26.80	27.80	26.80
GPRS1900 3 Tx Slots	Ant1	26.80	21.30	21.30	26.80	25.80	26.80	25.80
GPRS1900 4 Tx Slots	Ant1	24.80	19.30	19.30	24.80	23.80	24.80	23.80
EGPRS1900 1 Tx Slot	Ant1	27.30	21.80	21.80	27.30	26.30	27.30	26.30
EGPRS1900 2 Tx Slots	Ant1	25.30	19.80	19.80	25.30	24.30	25.30	24.30
EGPRS1900 3 Tx Slots	Ant1	24.30	18.80	18.80	24.30	23.30	24.30	23.30

EGPRS1900 4 Tx Slots	Ant1	23.30	17.80	17.80	23.30	22.30	23.30	22.30
GSM 1900	Ant0	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant0	30.50	30.50	30.50	30.50	30.50	30.50	30.50
GPRS1900 2 Tx Slots	Ant0	28.00	28.00	28.00	28.00	28.00	28.00	28.00
GPRS1900 3 Tx Slots	Ant0	27.00	27.00	27.00	27.00	27.00	27.00	27.00
GPRS1900 4 Tx Slots	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00
EGPRS1900 1 Tx Slot	Ant0	27.50	27.50	27.50	27.50	27.50	27.50	27.50
EGPRS1900 2 Tx Slots	Ant0	25.50	25.50	25.50	25.50	25.50	25.50	25.50
EGPRS1900 3 Tx Slots	Ant0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
EGPRS1900 4 Tx Slots	Ant0	23.50	23.50	23.50	23.50	23.50	23.50	23.50
WCDMA Band2 AMR	Ant1	23.50	17.50	17.50	23.50	20.50	23.50	20.50
WCDMA Band2 RMC	Ant1	23.50	17.50	17.50	23.50	20.50	23.50	20.50
HSDPA Subtest-1	Ant1	23.00	17.00	17.00	23.00	19.60	23.00	19.60
HSDPA Subtest-2	Ant1	23.00	17.00	17.00	23.00	19.60	23.00	19.60
HSDPA Subtest-3	Ant1	22.50	16.50	16.50	22.50	19.10	22.50	19.10
HSDPA Subtest-4	Ant1	22.50	16.50	16.50	22.50	19.10	22.50	19.10
HSUPA Subtest-1	Ant1	21.00	15.00	15.00	21.00	17.50	21.00	17.50
HSUPA Subtest-2	Ant1	19.00	13.00	13.00	19.00	17.00	19.00	17.00
HSUPA Subtest-3	Ant1	20.00	14.00	14.00	20.00	17.50	20.00	17.50
HSUPA Subtest-4	Ant1	20.00	14.00	14.00	20.00	17.30	20.00	17.30
HSUPA Subtest-5	Ant1	22.50	16.50	16.50	22.50	19.00	22.50	19.00
HSPA+	Ant1	19.00	13.00	13.00	19.00	17.00	19.00	17.00
WCDMA Band2 AMR	Ant0	23.70	23.70	23.70	23.70	22.70	23.70	22.70
WCDMA Band2 RMC	Ant0	23.70	23.70	23.70	23.70	22.70	23.70	22.70
HSDPA Subtest-1	Ant0	22.70	22.70	22.70	22.70	21.70	22.70	21.70
HSDPA Subtest-2	Ant0	22.70	22.70	22.70	22.70	21.70	22.70	21.70
HSDPA Subtest-3	Ant0	22.20	22.20	22.20	22.20	21.20	22.20	21.20
HSDPA Subtest-4	Ant0	22.20	22.20	22.20	22.20	21.20	22.20	21.20
HSUPA Subtest-1	Ant0	20.50	20.50	20.50	20.50	19.50	20.50	19.50
HSUPA Subtest-2	Ant0	20.00	20.00	20.00	20.00	19.00	20.00	19.00
HSUPA Subtest-3	Ant0	21.00	21.00	21.00	21.00	20.00	21.00	20.00
HSUPA Subtest-4	Ant0	20.00	20.00	20.00	20.00	19.00	20.00	19.00
HSUPA Subtest-5	Ant0	22.00	22.00	22.00	22.00	21.00	22.00	21.00
HSPA+	Ant0	20.00	20.00	20.00	20.00	19.00	20.00	19.00

WCDMA Band4 AMR	Ant1	24.30	15.30	15.30	24.30	19.30	24.30	19.30
WCDMA Band4 RMC	Ant1	24.30	15.30	15.30	24.30	19.30	24.30	19.30
HSDPA Subtest-1	Ant1	23.40	14.40	14.40	23.40	18.40	23.40	18.40
HSDPA Subtest-2	Ant1	23.40	14.40	14.40	23.40	18.40	23.40	18.40
HSDPA Subtest-3	Ant1	22.90	13.90	13.90	22.90	17.90	22.90	17.90
HSDPA Subtest-4	Ant1	22.90	13.90	13.90	22.90	17.90	22.90	17.90
HSUPA Subtest-1	Ant1	21.30	12.30	12.30	21.30	16.30	21.30	16.30
HSUPA Subtest-2	Ant1	20.80	11.80	11.80	20.80	15.80	20.80	15.80
HSUPA Subtest-3	Ant1	21.30	12.30	12.30	21.30	16.30	21.30	16.30
HSUPA Subtest-4	Ant1	21.10	12.10	12.10	21.10	16.10	21.10	16.10
HSUPA Subtest-5	Ant1	22.80	13.80	13.80	22.80	17.80	22.80	17.80
HSPA+	Ant1	20.80	11.80	11.80	20.80	15.80	20.80	15.80
WCDMA Band4 AMR	Ant0	24.50	24.50	24.50	24.50	21.50	24.50	21.50
WCDMA Band4 RMC	Ant0	24.50	24.50	24.50	24.50	21.50	24.50	21.50
HSDPA Subtest-1	Ant0	23.60	23.60	23.60	23.60	20.60	23.60	20.60
HSDPA Subtest-2	Ant0	23.60	23.60	23.60	23.60	20.60	23.60	20.60
HSDPA Subtest-3	Ant0	23.10	23.10	23.10	23.10	20.10	23.10	20.10
HSDPA Subtest-4	Ant0	23.10	23.10	23.10	23.10	20.10	23.10	20.10
HSUPA Subtest-1	Ant0	21.50	21.50	21.50	21.50	18.50	21.50	18.50
HSUPA Subtest-2	Ant0	21.00	21.00	21.00	21.00	18.00	21.00	18.00
HSUPA Subtest-3	Ant0	21.50	21.50	21.50	21.50	18.50	21.50	18.50
HSUPA Subtest-4	Ant0	21.30	21.30	21.30	21.30	18.30	21.30	18.30
HSUPA Subtest-5	Ant0	23.00	23.00	23.00	23.00	20.00	23.00	20.00
HSPA+	Ant0	21.00	21.00	21.00	21.00	18.00	21.00	18.00
WCDMA Band5 AMR	Ant1	24.80	22.30	22.30	24.80	24.80	24.80	24.80
WCDMA Band5 RMC	Ant1	24.80	22.30	22.30	24.80	24.80	24.80	24.80
HSDPA Subtest-1	Ant1	23.90	21.40	21.40	23.90	23.90	23.90	23.90
HSDPA Subtest-2	Ant1	23.90	21.40	21.40	23.90	23.90	23.90	23.90
HSDPA Subtest-3	Ant1	23.40	20.90	20.90	23.40	23.40	23.40	23.40
HSDPA Subtest-4	Ant1	23.40	20.90	20.90	23.40	23.40	23.40	23.40
HSUPA Subtest-1	Ant1	21.80	19.30	19.30	21.80	21.80	21.80	21.80
HSUPA Subtest-2	Ant1	21.30	18.80	18.80	21.30	21.30	21.30	21.30
HSUPA Subtest-3	Ant1	21.80	19.30	19.30	21.80	21.80	21.80	21.80
HSUPA Subtest-4	Ant1	21.60	19.10	19.10	21.60	21.60	21.60	21.60

HSUPA Subtest-5	Ant1	23.30	20.80	20.80	23.30	23.30	23.30	23.30
HSPA+	Ant1	21.30	18.80	18.80	21.30	21.30	21.30	21.30
WCDMA Band5 AMR	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00
WCDMA Band5 RMC	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00
HSDPA Subtest-1	Ant0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-2	Ant0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-3	Ant0	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSDPA Subtest-4	Ant0	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSUPA Subtest-1	Ant0	22.50	22.50	22.50	22.50	22.50	22.50	22.50
HSUPA Subtest-2	Ant0	21.50	21.50	21.50	21.50	21.50	21.50	21.50
HSUPA Subtest-3	Ant0	22.42	22.42	22.42	22.42	22.42	22.42	22.42
HSUPA Subtest-4	Ant0	22.00	22.00	22.00	22.00	22.00	22.00	22.00
HSUPA Subtest-5	Ant0	24.00	24.00	24.00	24.00	24.00	24.00	24.00
HSPA+	Ant0	21.50	21.50	21.50	21.50	21.50	21.50	21.50
LTE Band2	Ant1	23.50	17.50	17.50	23.50	20.00	23.50	20.00
LTE Band2	Ant0	23.70	23.70	23.70	23.70	22.70	23.70	22.70
LTE Band4	Ant1	24.30	15.30	15.30	24.30	19.30	24.30	19.30
LTE Band4	Ant0	24.50	24.50	24.50	24.50	21.50	24.50	21.50
LTE Band5	Ant1	24.80	22.80	22.80	24.80	24.80	24.80	24.80
LTE Band5	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band7	Ant1	23.80	18.80	18.80	23.80	20.80	23.80	20.80
LTE Band7	Ant0	24.30	24.30	24.30	24.30	21.80	24.30	21.80
LTE Band12	Ant1	24.80	24.30	24.30	24.80	24.80	24.80	24.80
LTE Band12	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band17	Ant1	24.80	24.30	24.30	24.80	24.80	24.80	24.80
LTE Band17	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band26	Ant1	24.80	22.80	22.80	24.80	24.80	24.80	24.80
LTE Band26	Ant0	24.80	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band38	Ant1	24.30	20.30	20.30	24.30	22.80	24.30	22.80
LTE Band38	Ant0	24.50	24.50	24.50	24.50	24.00	24.50	24.00
LTE Band41	Ant1	24.30	19.80	19.80	24.30	21.80	24.30	21.80
LTE Band41	Ant0	24.50	24.50	24.50	24.50	24.00	24.50	24.00
N5	Ant1	24.80	21.80	24.80	24.80	24.80	24.80	24.80
N5	Ant0	25.00	25.00	25.00	25.00	25.00	25.00	25.00

N7	Ant1	24.00	19.00	19.00	24.00	21.00	24.00	21.00
N7	Ant0	24.50	24.50	24.50	24.50	21.50	24.50	21.50
N38	Ant1	24.50	18.50	18.50	24.50	20.50	24.50	20.50
N38	Ant0	24.70	24.70	24.70	24.70	22.20	24.70	22.20
N41	Ant1	24.50	17.50	17.50	24.50	20.00	24.50	20.00
N41	Ant0	24.70	24.70	24.70	24.70	21.20	24.70	21.20

Mode	Band	Antenna	ENDC Antenna						
			Full Power	Receiver on		Receiver off			
				Head		BodyWorn&Specific		BodyWorn&Hotspot& Specific	
				Standalone	Simultaneous transmission +WLAN	Standalone		Simultaneous transmission +WLAN	
				Level1	Level2&3	Level4 （OFF&N/A）	Level4 （ON&N/A）	Level5&6 （OFF&N/A）	Level5&6 （ON&N/A）
DC_7A_n5A	n5	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00
	LTE Band7	Ant.4	24.00	18.00	18.00	17.50	17.50	17.50	17.50
DC_7A_n5A	n5	Ant.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00
	LTE Band7	Ant.1	23.00	17.50	17.50	18.00	18.00	18.00	18.00
DC_7A_n5A	n5	Ant.1	24.80	18.30	18.30	24.80	22.80	24.80	22.80
	LTE Band7	Ant.4	24.00	18.00	18.00	17.50	17.50	17.50	17.50
DC_5A_n7A	n7	Ant.4	24.70	18.70	18.70	18.20	18.20	18.20	18.20
	LTE Band5	Ant.0	24.80	24.80	24.80	24.80	24.80	24.80	24.80
DC_5A_n7A	n7	Ant.4	24.70	18.70	18.70	18.20	18.20	18.20	18.20
	LTE Band5	Ant.1	24.60	20.10	20.10	23.60	23.60	23.60	23.60
DC_5A_n7A	n7	Ant.1	23.70	17.70	17.70	23.70	17.20	23.70	17.20
	LTE Band5	Ant.0	24.80	24.80	24.80	24.80	24.80	24.80	24.80

Mode	WLAN Antenna7									
	Full Power	Receiver on			Receiver off					
		Head			Body					
		Standalone	Simultaneous transmission		Standalone		Simultaneous transmission		Simultaneous transmission	
			WWAN + WLAN2.4G&5G	WWAN + WLAN2.4G+5G			WWAN + WLAN2.4G&5G		WWAN + WLAN2.4G+5G	
		Level1	Level2	Level3	Level4 （OFF）	Level4 （ON）	Level5 （OFF）	Level5 （ON）	Level6 （OFF）	Level6 （ON）
2.4G WLAN 802.11b	16.00	16.00	14.00	12.00	16.00	16.00	16.00	16.00	16.00	15.00
2.4G WLAN 802.11g	16.00	16.00	14.00	12.00	16.00	16.00	16.00	16.00	16.00	15.00
2.4G WLAN 802.11n20	16.00	16.00	14.00	12.00	16.00	16.00	16.00	16.00	16.00	15.00
2.4G WLAN 802.11n40	15.00	15.00	14.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00
2.4G WLAN 802.11ac20	16.00	16.00	14.00	12.00	16.00	16.00	16.00	16.00	16.00	15.00
2.4G WLAN 802.11ac40	15.00	15.00	14.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00
2.4G WLAN 802.11ax20	16.00	16.00	14.00	12.00	16.00	16.00	16.00	16.00	16.00	15.00
2.4G WLAN 802.11ax40	15.00	15.00	14.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00
5.2G WLAN 802.11a	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.2G WLAN 802.11n20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.2G WLAN 802.11n40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.2G WLAN 802.11ac20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.2G WLAN 802.11ac40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.2G WLAN 802.11ac80	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.2G WLAN 802.11ax20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.2G WLAN 802.11ax40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.2G WLAN 802.11ax80	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/

5.3G WLAN 802.11a	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.3G WLAN 802.11n20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.3G WLAN 802.11n40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.3G WLAN 802.11ac20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.3G WLAN 802.11ac40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.3G WLAN 802.11ac80	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.3G WLAN 802.11ax20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.3G WLAN 802.11ax40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.3G WLAN 802.11ax80	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11a	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11n20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11n40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11ac20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11ac40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11ac80	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11ax20	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11ax40	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.6G WLAN 802.11ax80	15.50	15.50	12.00	/	15.50	15.50	12.00	12.00	/	/
5.8G WLAN 802.11a	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/
5.8G WLAN 802.11n20	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/
5.8G WLAN 802.11n40	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/
5.8G WLAN 802.11ac20	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/

5.8G WLAN 802.11ac40	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/
5.8G LAN 802.11ac80	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/
5.8G WLAN 802.11ax20	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/
5.8G WLAN 802.11ax40	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/
5.8G WLAN 802.11ax80	16.00	16.00	12.00	/	16.00	16.00	13.00	13.00	/	/
Bluetooth	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00

Mode	WLAN Antenna2						
	Full Power	Receiver on			Receiver off		
		Head			Body		
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission	Simultaneous transmission
			WWAN + WLAN2.4G&5G	WWAN + WLAN2.4G+5G		WWAN + WLAN2.4G&5G	WWAN + WLAN2.4G+5G
		Level1	Level2	Level3	Level4	Level5	Level6
2.4G WLAN 802.11b	16.00	16.00	14.00	/	16.00	16.00	/
2.4G WLAN 802.11g	16.00	16.00	14.00	/	16.00	16.00	/
2.4G WLAN 802.11n20	16.00	16.00	14.00	/	16.00	16.00	/
2.4G WLAN 802.11n40	15.00	15.00	14.00	/	15.00	15.00	/
2.4G WLAN 802.11ac20	16.00	16.00	14.00	/	16.00	16.00	/
2.4G WLAN 802.11ac40	15.00	15.00	14.00	/	15.00	15.00	/
2.4G WLAN 802.11ax20	16.00	16.00	14.00	/	16.00	16.00	/
2.4G WLAN 802.11ax40	15.00	15.00	14.00	/	15.00	15.00	/
5.2G WLAN 802.11a	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.2G WLAN 802.11n20	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.2G WLAN 802.11n40	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.2G WLAN 802.11ac20	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.2G WLAN 802.11ac40	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.2G WLAN 802.11ac80	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.2G WLAN 802.11ax20	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.2G WLAN 802.11ax40	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.2G WLAN 802.11ax80	16.50	15.50	12.00	11.00	15.50	12.00	16.50

5.3G WLAN 802.11a	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.3G WLAN 802.11n20	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.3G WLAN 802.11n40	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.3G WLAN 802.11ac20	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.3G WLAN 802.11ac40	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.3G WLAN 802.11ac80	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.3G WLAN 802.11ax20	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.3G WLAN 802.11ax40	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.3G WLAN 802.11ax80	16.50	15.50	12.00	11.00	15.50	12.00	16.50
5.6G WLAN 802.11a	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.6G WLAN 802.11n20	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.6G WLAN 802.11n40	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.6G WLAN 802.11ac20	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.6G WLAN 802.11ac40	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.6G WLAN 802.11ac80	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.6G WLAN 802.11ax20	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.6G WLAN 802.11ax40	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.6G WLAN 802.11ax80	16.50	15.50	12.00	11.00	15.50	12.50	16.50
5.8G WLAN 802.11a	19.50	16.00	12.00	12.00	16.00	13.00	19.50
5.8G WLAN 802.11n20	19.50	16.00	12.00	12.00	16.00	13.00	19.50
5.8G WLAN 802.11n40	19.50	16.00	12.00	12.00	16.00	13.00	19.50
5.8G WLAN 802.11ac20	19.50	16.00	12.00	12.00	16.00	13.00	19.50
5.8G WLAN 802.11ac40	19.50	16.00	12.00	12.00	16.00	13.00	19.50
5.8G WLAN 802.11ac80	19.50	16.00	12.00	12.00	16.00	13.00	19.50
5.8G WLAN 802.11ax20	19.50	16.00	12.00	12.00	16.00	13.00	19.50
5.8G WLAN 802.11ax40	19.50	16.00	12.00	12.00	16.00	13.00	19.50
5.8G WLAN 802.11ax80	19.50	16.00	12.00	12.00	16.00	13.00	19.50

Mode	WLAN Antenna2&7						
	Full Power	Receiver on		Receiver off			
		Head		Body			
		Standalone	Simultaneous transmission WWAN + WLAN2.4G&5G	Standalone		Simultaneous transmission WWAN + WLAN2.4G&5G	
		Level1	Level2	Level4（OFF）	Level4（ON）	Level5（OFF）	Level5（ON）
2.4G WLAN 802.11b	19.00	19.00	17.00	19.00	19.00	19.00	19.00
2.4G WLAN 802.11g	19.00	19.00	17.00	19.00	19.00	19.00	19.00
2.4G WLAN 802.11n20	19.00	19.00	17.00	19.00	19.00	19.00	19.00
2.4G WLAN 802.11n40	18.00	18.00	17.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11ac20	19.00	19.00	17.00	19.00	19.00	19.00	19.00
2.4G WLAN 802.11ac40	18.00	18.00	17.00	18.00	18.00	18.00	18.00
2.4G WLAN 802.11ax20	19.00	19.00	17.00	19.00	19.00	19.00	19.00
2.4G WLAN 802.11ax40	18.00	18.00	17.00	18.00	18.00	18.00	18.00
5.2G WLAN 802.11a	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.2G WLAN 802.11n20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.2G WLAN 802.11n40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.2G WLAN 802.11ac20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.2G WLAN 802.11ac40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.2G WLAN 802.11ac80	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.2G WLAN 802.11ax20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.2G WLAN 802.11ax40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.2G WLAN 802.11ax80	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11a	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11n20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11n40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11ac20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11ac40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11ac80	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11ax20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11ax40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.3G WLAN 802.11ax80	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.6G WLAN 802.11a	18.50	18.50	15.00	18.50	18.50	15.00	15.00

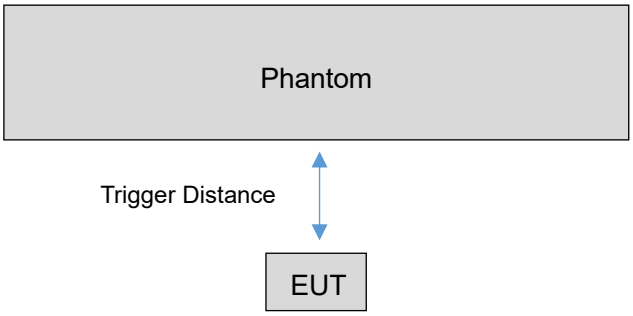
5.6G WLAN 802.11n20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.6G WLAN 802.11n40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.6G WLAN 802.11ac20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.6G WLAN 802.11ac40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.6G WLAN 802.11ac80	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.6G WLAN 802.11ax20	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.6G WLAN 802.11ax40	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.6G WLAN 802.11ax80	18.50	18.50	15.00	18.50	18.50	15.00	15.00
5.8G WLAN 802.11a	19.00	19.00	15.00	19.00	19.00	16.00	16.00
5.8G WLAN 802.11n20	19.00	19.00	15.00	19.00	19.00	16.00	16.00
5.8G WLAN 802.11n40	19.00	19.00	15.00	19.00	19.00	16.00	16.00
5.8G WLAN 802.11ac20	19.00	19.00	15.00	19.00	19.00	16.00	16.00
5.8G WLAN 802.11ac40	19.00	19.00	15.00	19.00	19.00	16.00	16.00
5.8G wLAN 802.11ac80	19.00	19.00	15.00	19.00	19.00	16.00	16.00
5.8G WLAN 802.11ax20	19.00	19.00	15.00	19.00	19.00	16.00	16.00
5.8G WLAN 802.11ax40	19.00	19.00	15.00	19.00	19.00	16.00	16.00
5.8G wLAN 802.11ax80	19.00	19.00	15.00	19.00	19.00	16.00	16.00

9 PROXIMITY SENSOR TRIGGERING TEST

9.1 Procedures for determining proximity sensor distance

Proximity sensor triggering distance testing was performed, EUT moving further away from the phantom and EUT moving toward the phantom were both assessed, and the shortest triggering distances were reported and used for SAR assessment.

9.1.1 proximity sensor channel-1



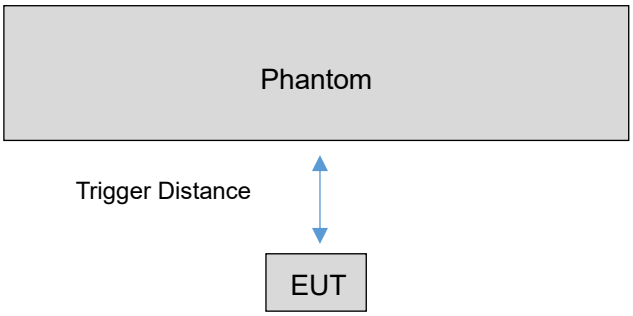
EUT moving toward Phantom

Distance in mm	7	8	9	10-13	14	15	17	18	19	20	21	22
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	Off	Off	Off	Off	Off	Off	Off
Right Edge	On	On	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Bottom Edge	On	On	On	On	On	On	On	On	On	Off	Off	Off
Note: Power reduction is only applicable for ANT0												

EUT moving from Phantom

Distance in mm	12	13	14-16	17	18	19	20	21	22	23	24	25
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	Off	Off	Off	Off	Off	Off	Off
Right Edge	On	On	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Bottom Edge	On	On	On	On	On	On	On	On	On	On	On	Off
Note: Power reduction is only applicable for ANT0												

9.1.2 proximity sensor channel-2

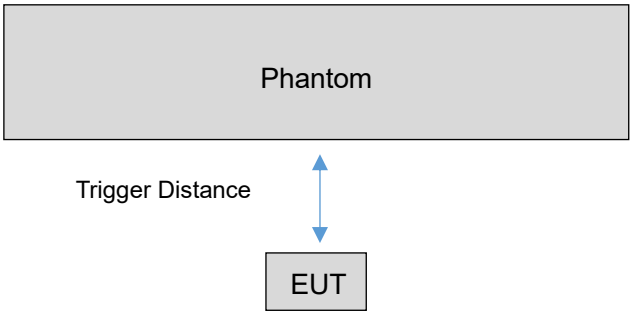


EUT moving toward Phantom

Distance in mm	11	12	13	14	15	16	17	18-21	22	23	24	25
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	On	Off	Off
Right Edge	On	On	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	On	On	On	Off	Off
Note: Power reduction is only applicable for ANT1												

EUT moving from Phantom

Distance in mm	11	18	19	20	21	22	23	24-26	27	28	29	30
Front Side	On	On	On	On	On	On	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	On	On	Off
Right Edge	On	On	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
Top Edge	On	On	On	On	On	On	On	On	On	On	Off	Off
Note: Power reduction is only applicable for ANT1												



EUT moving toward Phantom

Distance in mm	8	9	10	11	12	13	14	15	16	17
Front Side	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	Off
Left Edge	On	On	On	On	On	On	On	Off	Off	Off
Top Edge	On	On	On	On	On	On	Off	Off	Off	Off
Note: Power reduction is only applicable for Ant7.										

EUT moving from Phantom

Distance in mm	11	12	13	14	15-17	18	19	20	21	22
Front Side	On	On	Off	Off	Off	Off	Off	Off	Off	Off
Back Side	On	On	On	On	On	On	On	On	On	Off
Left Edge	On	On	On	On	On	On	On	On	Off	Off
Top Edge	On	On	On	On	On	On	On	Off	Off	Off
Note: Power reduction is only applicable for Ant7.										

To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is nece ssary, and use the smallest distance for EUT moving toward the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

Ant0 of proximity sensor channel-1

EUT Sides	Additional SAR test Distance in mm
Front Side	14
Back Side	13
Right Edge	7
Bottom Edge	18

Ant1 of proximity sensor channel-2

EUT Sides	Additional SAR test Distance in mm
Front Side	15
Back Side	22
Right Edge	13
Top Edge	22

Ant7 of proximity sensor channel-2

EUT Sides	Additional SAR test Distance in mm
Front Side	8
Back Side	15
Left Edge	13
Top Edge	12

9.2 Procedures for determining EUT tilt angle influences to proximity sensor triggering

The influence of EUT tilt angles to proximity sensor channel-1 triggering was determined by positioning each EUT edge that contains a transmitting antenna 0, perpendicular to the flat phantom, at 8 mm separation for the right edge and 19 mm separation for the bottom edge.
The influence of EUT tilt angles to proximity sensor channel-2 triggering was determined by positioning each EUT edge that contains a transmitting antenna 1, perpendicular to the flat phantom, at 14 mm separation for the right edge and 23 mm separation for the top edge.
The influence of EUT tilt angles to proximity sensor channel-2 triggering was determined by positioning each EUT edge that contains a transmitting antenna 7, perpendicular to the flat phantom, at 14 mm separation for the left edge and 13 mm separation for the top edge.
Rotating the EUT around the edge next to the phantom in $\leqslant 10^{\circ}$ increments until the EUT is $\pm 45^{\circ}$ from the vertical position at 0°, and the maximum output power remains in the reduced mode.

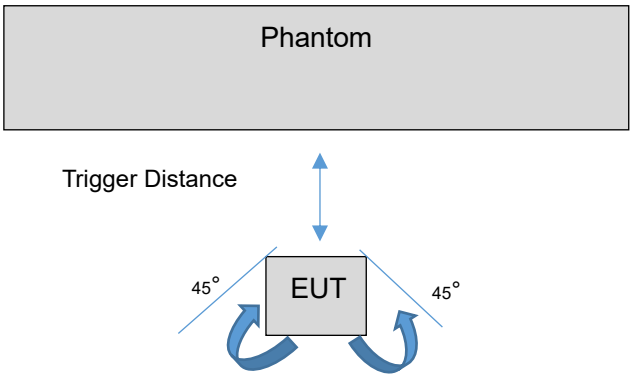
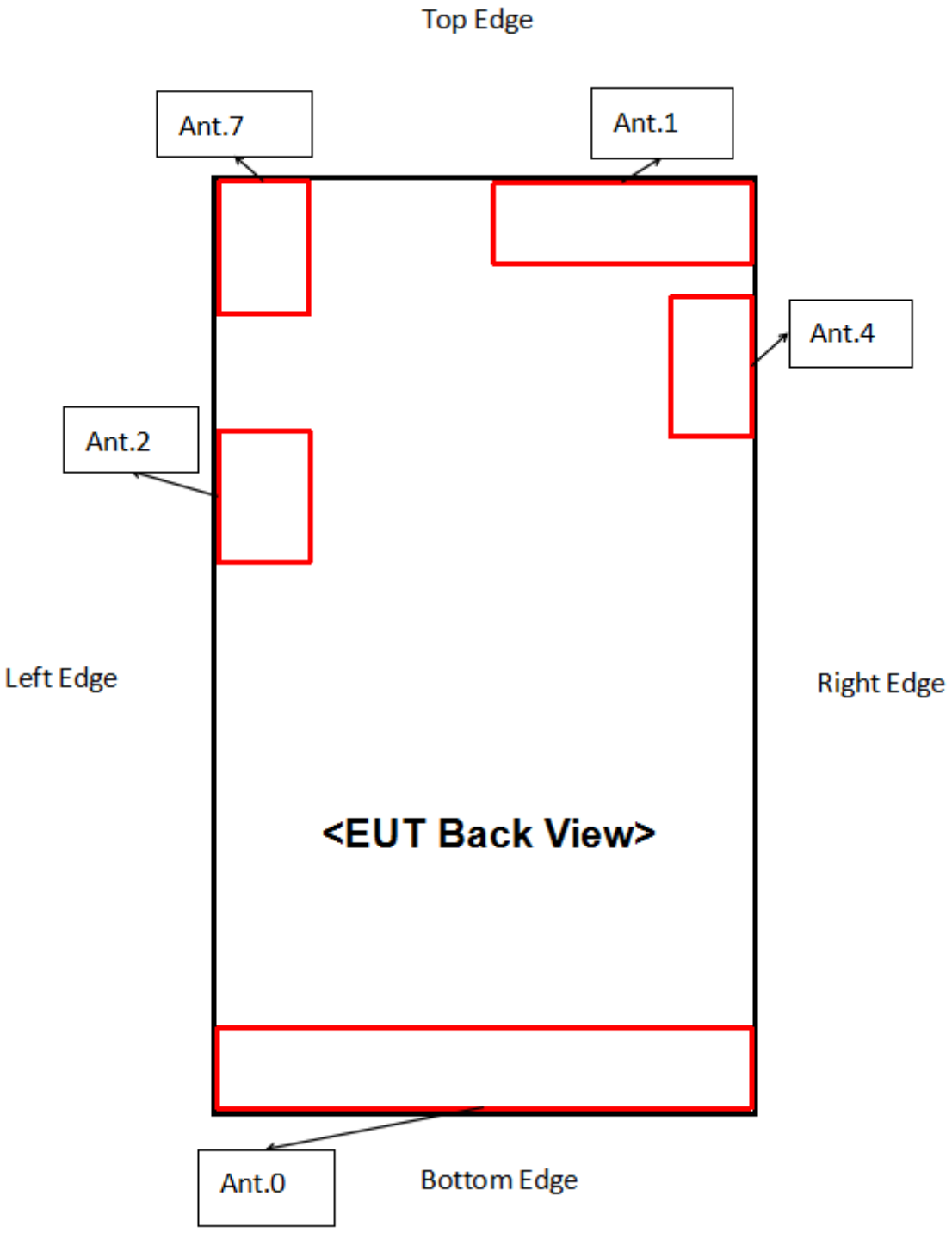


Table: Summary of Phone Tilt Angle Influence to Proximity Sensor Triggering(Left/Right/Top/Bottom edge)

Antenna	Posltion	Minimum trigger distance at which power reduction was maintained over ±45°	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
ANT0	Right edge	8mm	on	on	on	on	on	on	on	on	on	on	on
ANT0	Bottom edge	19mm	on	on	on	on	on	on	on	on	on	on	on
ANT1	Right edge	14mm	on	on	on	on	on	on	on	on	on	on	on
ANT1	Top edge	23mm	on	on	on	on	on	on	on	on	on	on	on
ANT7	Left edge	14mm	on	on	on	on	on	on	on	on	on	on	on
ANT7	Top edge	13mm	on	on	on	on	on	on	on	on	on	on	on

10 TEST EXCLUSION CONSIDERATION



Antenna	Support Bands
Antenna 0	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/17/26/38/41 NR Band 5/7/38/41
Antenna 1	GSM 850/1900 WCDMA Band 2/4/5 LTE Band 2/4/5/7/12/17/26/38/41 NR Band 5/7/38/41
Antenna 2	WLAN 2.4G/5G
Antenna 4	LTE Band 7 NR Band 7
Antenna 7	WLAN 2.4G/5G Bluetooth

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

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

10.1SAR Test Exclusion Consideration Table

According with FCC KDB 447498 D04, Appendix B, The SAR-based exemption formula applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW), this Device SAR test configurations consider as following :

ANT0

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	33.80	2398.83	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	23.70	234.42	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.70	234.42	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
LTE Band 12	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 17	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 26	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
n5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes

n7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
n38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	24.70	295.12	Yes	Yes	Yes	Yes	No	Yes
n41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	DFT-s-OFDM QPSK	24.70	295.12	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	33.60	2290.87	Yes	Yes	No	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	Data	30.30	1071.52	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	23.50	223.87	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.30	269.15	Yes	Yes	No	Yes	Yes	No
WCDMA Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	24.80	302.00	Yes	Yes	No	Yes	Yes	No
LTE Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.50	223.87	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.30	269.15	Yes	Yes	No	Yes	Yes	No
LTE Band 5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	Yes	No
LTE Band 7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.80	239.88	Yes	Yes	No	Yes	Yes	No
LTE Band 12	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	Yes	No
LTE Band 17	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	Yes	No
LTE Band 26	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.80	302.00	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	24.30	269.15	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm

	QPSK	24.30	269.15	Yes	Yes	No	Yes	Yes	No
n5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	24.80	302.00	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	24.00	251.19	Yes	Yes	No	Yes	Yes	No
n38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No
n41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	24.50	281.84	Yes	Yes	No	Yes	Yes	No

ANT2

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	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	802.11g	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	VHT20	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	VHT40	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE80)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No

	802.11n(HT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	13.50	22.39	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE80)	13.50	22.39	Yes	Yes	Yes	No	Yes	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE80)	16.50	44.67	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
	802.11ax(HE20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No

ANT4

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	24.00	251.19	Yes	Yes	No	Yes	Yes	No
n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	DFT-s-OFDM QPSK	24.70	295.12	Yes	Yes	No	Yes	Yes	No

ANT7

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	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	802.11g	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	VHT20	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	VHT40	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	16.00	39.81	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE80)	15.00	31.62	Yes	Yes	Yes	No	Yes	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	13.50	22.39	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE80)	13.50	22.39	Yes	Yes	Yes	No	Yes	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	16.50	44.67	Yes	Yes	Yes	No	Yes	No

	802.11ax(HE20)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	16.50	44.67	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE80)	16.50	44.67	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
	802.11ax(HE20)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE40)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
	802.11ax(HE80)	19.50	89.13	Yes	Yes	Yes	No	Yes	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	BT	16.00	39.81	Yes	Yes	Yes	No	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 D04, 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 D04, 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 D04, for separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive), the threshold Pth (mW) is given by Following:

$$P_{th}(mW) = \begin{cases} ERP_{20cm}(d/20cm)^x & d \le 20cm \\ ERP_{20cm} & 20cm < d \le 40cm \end{cases}$$

where

$$x = -log_{10}\left(\frac{60}{ERP_{20cm}\sqrt{f}}\right)$$

   a. f(GHz) is the RF channel transmit frequency in GHz
   b. d is the separation distance (cm), The result is rounded to one decimal place for comparison
   c. ERP_{20cm} are determined by:

$$ERP_{20cm}(mW) = f(x) = \begin{cases} 2040f & 0.3GHz \le f < 1.5GHz \\ 3060 & 1.5GHz \le f \le 6GHz \end{cases}$$

5. 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.
6. 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
7. 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.

8. 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.

11 TEST RESULT

11.1 GSM 850

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	GPRS 4 slots	Left Cheek	0	190	836.6	-0.02	0.317	24.78	26.10	1.357	0.430	/
Ant.1	Level1&2&3	N/A	GPRS 4 slots	Left Tilt	0	190	836.6	0.15	0.281	24.78	26.10	1.357	0.381	/
Ant.1	Level1&2&3	N/A	GPRS 4 slots	Right Cheek	0	190	836.6	-0.06	0.389	24.78	26.10	1.357	**0.528**	1#
Ant.1	Level1&2&3	N/A	GPRS 4 slots	Right Tilt	0	190	836.6	-0.18	0.363	24.78	26.10	1.357	0.492	/
Ant.0	Level1&2&3	N/A	GPRS 4 slots	Left Cheek	0	190	824.2	-0.01	0.173	27.67	28.80	1.296	0.224	/
Ant.0	Level1&2&3	N/A	GPRS 4 slots	Left Tilt	0	190	824.2	-0.17	0.079	27.67	28.80	1.296	0.102	/
Ant.0	Level1&2&3	N/A	GPRS 4 slots	Right Cheek	0	190	824.2	0.08	0.122	27.67	28.80	1.296	0.158	/
Ant.0	Level1&2&3	N/A	GPRS 4 slots	Right Tilt	0	190	824.2	0.14	0.064	27.67	28.80	1.296	0.083	/
Body-worn														
Ant.1	Level4	on2	GPRS 4 slots	Front Side	15	190	836.6	-0.02	0.127	27.65	28.60	1.244	0.158	/
Ant.1	Level4	on2	GPRS 4 slots	Back Side	15	190	836.6	-0.11	0.177	27.65	28.60	1.244	**0.220**	2#
Ant.0	Level4	on1	GPRS 4 slots	Front Side	15	190	836.6	-0.06	0.110	27.67	28.80	1.296	0.143	/
Ant.0	Level4	off	GPRS 4 slots	Back Side	15	190	836.6	0.01	0.128	27.67	28.80	1.296	0.166	/
Hotspot														
Ant.1	Level5&6	on2	GPRS 4 slots	Front Side	10	190	836.6	-0.14	0.211	27.65	28.60	1.244	0.263	/
Ant.1	Level5&6	on2	GPRS 4 slots	Back Side	10	190	836.6	-0.04	0.214	27.65	28.60	1.244	**0.266**	3#
Ant.1	Level5&6	on2	GPRS 4 slots	Right Edge	10	190	836.6	-0.12	0.134	27.65	28.60	1.244	0.167	/
Ant.1	Level5&6	on2	GPRS 4 slots	Top Edge	10	190	836.6	0.10	0.184	27.65	28.60	1.244	0.229	/
Ant.0	Level5&6	on1	GPRS 4 slots	Front Side	10	190	836.6	-0.13	0.161	27.67	28.80	1.296	0.209	/
Ant.0	Level5&6	on1	GPRS 4 slots	Back Side	10	190	836.6	0.17	0.179	27.67	28.80	1.296	0.232	/
Ant.0	Level5&6	off	GPRS 4 slots	Left Edge	10	190	836.6	-0.19	0.094	27.67	28.80	1.296	0.122	/
Ant.0	Level5&6	off	GPRS 4 slots	Right Edge	10	190	836.6	0.11	0.149	27.67	28.80	1.296	0.193	/
Ant.0	Level5&6	on1	GPRS 4 slots	Bottom Edge	10	190	836.6	-0.14	0.189	27.67	28.80	1.296	0.245	/

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

11.2 GSM 1900

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	GPRS 3 slots	Left Cheek	0	661	1880.0	-0.09	0.288	19.58	21.30	1.486	0.428	/
Ant.1	Level1&2&3	N/A	GPRS 3 slots	Left Tilt	0	661	1880.0	0.00	0.378	19.58	21.30	1.486	0.562	/
Ant.1	Level1&2&3	N/A	GPRS 3 slots	Right Cheek	0	661	1880.0	0.14	0.403	19.58	21.30	1.486	0.599	/
Ant.1	Level1&2&3	N/A	GPRS 3 slots	Right Tilt	0	661	1880.0	-0.11	0.526	19.58	21.30	1.486	**0.782**	4#
Ant.0	Level1&2&3	N/A	GPRS 3 slots	Left Cheek	0	810	1909.8	-0.01	0.022	25.57	27.00	1.389	0.031	/
Ant.0	Level1&2&3	N/A	GPRS 3 slots	Left Tilt	0	810	1909.8	0.10	0.015	25.57	27.00	1.389	0.021	/
Ant.0	Level1&2&3	N/A	GPRS 3 slots	Right Cheek	0	810	1909.8	-0.13	0.019	25.57	27.00	1.389	0.026	/
Ant.0	Level1&2&3	N/A	GPRS 3 slots	Right Tilt	0	810	1909.8	-0.04	0.012	25.57	27.00	1.389	0.017	/
Body-worn														
Ant.1	Level4	on2	GPRS 3 slots	Front Side	15	661	1880.0	-0.18	0.163	24.09	25.80	1.481	0.241	/
Ant.1	Level4	on2	GPRS 3 slots	Back Side	15	661	1880.0	0.13	0.278	24.09	25.80	1.481	**0.412**	5#
Ant.0	Level4	on1	GPRS 3 slots	Front Side	15	810	1909.8	0.10	0.085	25.57	27.00	1.389	0.118	/
Ant.0	Level4	off	GPRS 3 slots	Back Side	15	810	1909.8	-0.06	0.160	25.57	27.00	1.389	0.222	/
Hotspot														
Ant.1	Level5&6	on2	GPRS 3 slots	Front Side	10	661	1880.0	0.14	0.324	24.09	25.80	1.481	0.480	/
Ant.1	Level5&6	on2	GPRS 3 slots	Back Side	10	661	1880.0	-0.02	0.476	24.09	25.80	1.481	0.705	/
Ant.1	Level5&6	on2	GPRS 3 slots	Right Edge	10	661	1880.0	0.16	0.078	24.09	25.80	1.481	0.116	/
Ant.1	Level5&6	on2	GPRS 3 slots	Top Edge	10	661	1880.0	-0.02	0.732	24.09	25.80	1.481	1.084	/
Ant.1	Level5&6	on2	GPRS 3 slots	Top Edge	10	512	1850.2	-0.06	0.740	24.09	25.80	1.482	1.097	/
Ant.1	Level5&6	on2	GPRS 3 slots	Top Edge	10	810	1909.8	-0.12	0.766	23.91	25.80	1.546	**1.185**	6#
Ant.0	Level5&6	on1	GPRS 3 slots	Front Side	10	810	1909.8	-0.08	0.167	25.57	27.00	1.389	0.231	/
Ant.0	Level5&6	on1	GPRS 3 slots	Back Side	10	810	1909.8	0.07	0.264	25.57	27.00	1.389	0.367	/
Ant.0	Level5&6	off	GPRS 3 slots	Left Edge	10	810	1909.8	-0.01	0.074	25.57	27.00	1.389	0.103	/
Ant.0	Level5&6	off	GPRS 3 slots	Right Edge	10	810	1909.8	0.07	0.009	25.57	27.00	1.389	0.012	/
Ant.0	Level5&6	on1	GPRS 3 slots	Bottom Edge	10	810	1909.8	0.11	0.454	25.57	27.00	1.389	0.631	/
P-sensor														
Ant.1	Level5&6	off	GPRS 3 slots	Front Side	15	661	1880.0	0.12	0.174	25.07	26.80	1.488	0.259	/
	Level5&6	off	GPRS 3 slots	Back Side	22	661	1880.0	0.05	0.155	25.07	26.80	1.488	0.231	/
	Level5&6	off	GPRS 3 slots	Right Edge	13	661	1880.0	0.10	0.070	25.07	26.80	1.488	0.104	/
	Level5&6	off	GPRS 3 slots	Top Edge	22	661	1880.0	-0.02	0.244	25.07	26.80	1.488	0.363	/

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

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific														
Ant.1	Level5&6	on2	GPRS 3 slots	Top Edge	0	661	1880.0	-0.09	1.640	24.09	25.80	1.481	2.429	/
Ant.1	Level5&6	on2	GPRS 3 slots	Top Edge	0	512	1850.2	-0.08	1.530	24.09	25.80	1.482	2.268	/
Ant.1	Level5&6	on2	GPRS 3 slots	Top Edge	0	810	1909.8	0.19	1.690	23.91	25.80	1.546	**2.613**	7#
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.3WCDMA Band 2

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	RMC	Left Cheek	0	9538	1907.6	-0.13	0.407	16.30	17.50	1.318	0.536	/
Ant.1	Level1&2&3	N/A	RMC	Left Tilt	0	9538	1907.6	-0.17	0.543	16.30	17.50	1.318	0.715	/
Ant.1	Level1&2&3	N/A	RMC	Right Cheek	0	9538	1907.6	0.03	0.578	16.30	17.50	1.318	0.762	/
Ant.1	Level1&2&3	N/A	RMC	Right Tilt	0	9538	1907.6	-0.18	0.683	16.30	17.50	1.318	0.901	/
Ant.1	Level1&2&3	N/A	RMC	Right Tilt	0	9262	1852.4	0.02	0.633	16.22	17.50	1.343	0.850	/
Ant.1	Level1&2&3	N/A	RMC	Right Tilt	0	9400	1880.0	-0.19	0.734	16.30	17.50	1.318	**0.968**	8#
Ant.0	Level1&2&3	N/A	RMC	Left Cheek	0	9538	1907.6	0.08	0.078	22.96	23.70	1.186	0.092	/
Ant.0	Level1&2&3	N/A	RMC	Left Tilt	0	9538	1907.6	-0.14	0.047	22.96	23.70	1.186	0.056	/
Ant.0	Level1&2&3	N/A	RMC	Right Cheek	0	9538	1907.6	0.04	0.052	22.96	23.70	1.186	0.062	/
Ant.0	Level1&2&3	N/A	RMC	Right Tilt	0	9538	1907.6	0.10	0.054	22.96	23.70	1.186	0.064	/
Body-worn														
Ant.1	Level4	on2	RMC	Front Side	15	9538	1907.6	-0.04	0.137	19.26	20.50	1.330	0.183	/
Ant.1	Level4	on2	RMC	Back Side	15	9538	1907.6	0.09	0.249	19.26	20.50	1.330	**0.331**	9#
Ant.0	Level4	on1	RMC	Front Side	15	9538	1907.6	-0.04	0.127	21.92	22.70	1.197	0.152	/
Ant.0	Level4	off	RMC	Back Side	15	9538	1907.6	-0.11	0.220	22.96	23.70	1.186	0.261	/
Hotspot														
Ant.1	Level5&6	on2	RMC	Front Side	10	9538	1907.6	-0.18	0.285	19.26	20.50	1.330	0.379	/
Ant.1	Level5&6	on2	RMC	Back Side	10	9538	1907.6	0.01	0.586	19.26	20.50	1.330	0.780	/
Ant.1	Level5&6	on2	RMC	Right Edge	10	9538	1907.6	-0.15	0.060	19.26	20.50	1.330	0.080	/
Ant.1	Level5&6	on2	RMC	Top Edge	10	9538	1907.6	-0.14	0.752	19.26	20.50	1.330	1.000	/
Ant.1	Level5&6	on2	RMC	Top Edge	10	9262	1852.4	0.11	0.692	19.18	20.50	1.355	0.937	/
Ant.1	Level5&6	on2	RMC	Top Edge	10	9400	1880.0	-0.10	0.759	19.19	20.50	1.352	**1.026**	10#
Ant.0	Level5&6	on1	RMC	Front Side	10	9538	1907.6	-0.05	0.248	21.92	22.70	1.197	0.297	/
Ant.0	Level5&6	on1	RMC	Back Side	10	9538	1907.6	-0.13	0.396	21.92	22.70	1.197	0.473	/
Ant.0	Level5&6	off	RMC	Left Edge	10	9538	1907.6	-0.03	0.098	22.96	23.70	1.186	0.117	/
Ant.0	Level5&6	off	RMC	Right Edge	10	9538	1907.6	0.03	0.048	22.96	23.70	1.186	0.057	/
Ant.0	Level5&6	on1	RMC	Bottom Edge	10	9538	1907.6	0.14	0.592	21.92	22.70	1.197	0.708	/
P-sensor														
Ant.1	Level5&6	off	RMC	Front Side	15	9538	1907.6	0.06	0.296	22.27	23.50	1.327	0.393	/
Ant.1	Level5&6	off	RMC	Back Side	22	9538	1907.6	0.02	0.313	22.27	23.50	1.327	0.415	/
Ant.1	Level5&6	off	RMC	Right Edge	13	9538	1907.6	-0.05	0.114	22.27	23.50	1.327	0.151	/
Ant.1	Level5&6	off	RMC	Top Edge	22	9538	1907.6	0.14	0.397	22.27	23.50	1.327	0.527	/
Ant.0	Level5&6	off	RMC	Front Side	14	9538	1907.6	0.11	0.190	22.96	23.70	1.186	0.225	/
Ant.0	Level5&6	off	RMC	Back Side	13	9538	1907.6	0.07	0.331	22.96	23.70	1.186	0.392	/
Ant.0	Level5&6	off	RMC	Right Edge	7	9538	1907.6	0.00	0.089	22.96	23.70	1.186	0.106	/
Ant.0	Level5&6	off	RMC	Bottom Edge	18	9538	1907.6	0.00	0.328	22.96	23.70	1.186	0.389	/

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

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific														
Ant.1	Level5&6	on2	RMC	Back Side	0	9538	1907.6	0.10	1.250	19.26	20.50	1.330	1.663	/
Ant.1	Level5&6	on2	RMC	Top Edge	0	9538	1907.6	0.12	1.850	19.26	20.50	1.330	**2.461**	11#
Ant.1	Level5&6	on2	RMC	Top Edge	0	9262	1852.4	0.02	1.670	19.18	20.50	1.355	2.263	/
Ant.1	Level5&6	on2	RMC	Top Edge	0	9400	1880.0	-0.10	1.810	19.19	20.50	1.352	2.447	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.4WCDMA Band 4

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	RMC	Left Cheek	0	1312	1712.4	0.08	0.268	13.97	15.30	1.358	0.364	/
Ant.1	Level1&2&3	N/A	RMC	Left Tilt	0	1312	1712.4	0.08	0.351	13.97	15.30	1.358	0.477	/
Ant.1	Level1&2&3	N/A	RMC	Right Cheek	0	1312	1712.4	0.06	0.422	13.97	15.30	1.358	0.573	/
Ant.1	Level1&2&3	N/A	RMC	Right Tilt	0	1312	1712.4	0.19	0.537	13.97	15.30	1.358	**0.729**	12#
Ant.0	Level1&2&3	N/A	RMC	Left Cheek	0	1513	1752.6	-0.17	0.128	23.72	24.50	1.197	0.153	/
Ant.0	Level1&2&3	N/A	RMC	Left Tilt	0	1513	1752.6	-0.07	0.024	23.72	24.50	1.197	0.029	/
Ant.0	Level1&2&3	N/A	RMC	Right Cheek	0	1513	1752.6	-0.13	0.095	23.72	24.50	1.197	0.114	/
Ant.0	Level1&2&3	N/A	RMC	Right Tilt	0	1513	1752.6	0.18	0.024	23.72	24.50	1.197	0.029	/
Body-worn														
Ant.1	Level4	on2	RMC	Front Side	15	1412	1732.4	-0.08	0.170	18.03	19.30	1.340	0.228	/
Ant.1	Level4	on2	RMC	Back Side	15	1412	1732.4	0.11	0.217	18.03	19.30	1.340	**0.291**	13#
Ant.0	Level4	on1	RMC	Front Side	15	1412	1732.4	-0.04	0.160	20.70	21.50	1.202	0.192	/
Ant.0	Level4	off	RMC	Back Side	15	1412	1732.4	-0.15	0.208	23.72	24.50	1.197	0.249	/
Hotspot														
Ant.1	Level5&6	on2	RMC	Front Side	10	1412	1732.4	0.17	0.257	18.03	19.30	1.340	0.344	/
Ant.1	Level5&6	on2	RMC	Back Side	10	1412	1732.4	-0.09	0.443	18.03	19.30	1.340	0.593	/
Ant.1	Level5&6	on2	RMC	Right Edge	10	1412	1732.4	-0.07	0.062	18.03	19.30	1.340	0.083	/
Ant.1	Level5&6	on2	RMC	Top Edge	10	1412	1732.4	0.08	0.564	18.03	19.30	1.340	**0.756**	14#
Ant.0	Level5&6	on1	RMC	Front Side	10	1412	1732.4	-0.01	0.276	20.70	21.50	1.202	0.331	/
Ant.0	Level5&6	on1	RMC	Back Side	10	1412	1732.4	-0.15	0.356	20.70	21.50	1.202	0.428	/
Ant.0	Level5&6	off	RMC	Left Edge	10	1412	1732.4	0.11	0.089	23.72	24.50	1.197	0.106	/
Ant.0	Level5&6	off	RMC	Right Edge	10	1412	1732.4	0.10	0.054	23.72	24.50	1.197	0.065	/
Ant.0	Level5&6	on1	RMC	Bottom Edge	10	1412	1732.4	0.19	0.581	20.70	21.50	1.202	0.699	/
P-sensor														
Ant.1	Level5&6	off	RMC	Front Side	15	1412	1732.4	0.08	0.372	23.01	24.30	1.346	0.501	/
Ant.1	Level5&6	off	RMC	Back Side	22	1412	1732.4	0.05	0.320	23.01	24.30	1.346	0.431	/
Ant.1	Level5&6	off	RMC	Right Edge	13	1412	1732.4	-0.06	0.134	23.01	24.30	1.346	0.180	/
Ant.1	Level5&6	off	RMC	Top Edge	22	1412	1732.4	-0.06	0.395	23.01	24.30	1.346	0.532	/
Ant.0	Level5&6	off	RMC	Front Side	14	1412	1732.4	-0.02	0.339	23.74	24.50	1.191	0.404	/
Ant.0	Level5&6	off	RMC	Back Side	13	1412	1732.4	0.07	0.480	23.74	24.50	1.191	0.572	/
Ant.0	Level5&6	off	RMC	Right Edge	7	1412	1732.4	-0.14	0.129	23.74	24.50	1.191	0.154	/
Ant.0	Level5&6	off	RMC	Bottom Edge	18	1412	1732.4	-0.08	0.455	23.74	24.50	1.191	0.542	/

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

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific														
Ant.1	Level5&6	on2	RMC	Back Side	0	1412	1732.4	0.16	0.731	18.03	19.30	1.340	**0.979**	15#
Ant.1	Level5&6	on2	RMC	Top Edge	0	1412	1732.4	0.11	0.628	18.03	19.30	1.340	0.841	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.5WCDMA Band 5

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	RMC	Left Cheek	0	4132	826.4	-0.18	0.369	21.27	22.30	1.268	0.468	/
Ant.1	Level1&2&3	N/A	RMC	Left Tilt	0	4132	826.4	-0.08	0.335	21.27	22.30	1.268	0.425	/
Ant.1	Level1&2&3	N/A	RMC	Right Cheek	0	4132	826.4	0.11	0.504	21.27	22.30	1.268	0.639	/
Ant.1	Level1&2&3	N/A	RMC	Right Tilt	0	4132	826.4	-0.18	0.517	21.27	22.30	1.268	**0.655**	16#
Ant.0	Level1&2&3	N/A	RMC	Left Cheek	0	4132	826.4	0.01	0.199	24.17	25.00	1.211	0.241	/
Ant.0	Level1&2&3	N/A	RMC	Left Tilt	0	4132	826.4	-0.07	0.120	24.17	25.00	1.211	0.145	/
Ant.0	Level1&2&3	N/A	RMC	Right Cheek	0	4132	826.4	-0.01	0.138	24.17	25.00	1.211	0.167	/
Ant.0	Level1&2&3	N/A	RMC	Right Tilt	0	4132	826.4	0.18	0.099	24.17	25.00	1.211	0.120	/
Body-worn														
Ant.1	Level4	on2	RMC	Front Side	15	4132	826.4	-0.13	0.131	23.97	24.80	1.211	0.159	/
Ant.1	Level4	on2	RMC	Back Side	15	4132	826.4	-0.19	0.147	23.97	24.80	1.211	**0.178**	17#
Ant.0	Level4	on1	RMC	Front Side	15	4132	826.4	-0.10	0.125	24.17	25.00	1.211	0.151	/
Ant.0	Level4	off	RMC	Back Side	15	4132	826.4	0.18	0.128	24.17	25.00	1.211	0.155	/
Hotspot														
Ant.1	Level5&6	on2	RMC	Front Side	10	4132	826.4	0.10	0.235	23.97	24.80	1.211	0.284	/
Ant.1	Level5&6	on2	RMC	Back Side	10	4132	826.4	0.05	0.323	23.97	24.80	1.211	**0.391**	18#
Ant.1	Level5&6	on2	RMC	Right Edge	10	4132	826.4	0.05	0.124	23.97	24.80	1.211	0.150	/
Ant.1	Level5&6	on2	RMC	Top Edge	10	4132	826.4	0.04	0.202	23.97	24.80	1.211	0.245	/
Ant.0	Level5&6	on1	RMC	Front Side	10	4132	826.4	0.05	0.150	24.17	25.00	1.211	0.182	/
Ant.0	Level5&6	on1	RMC	Back Side	10	4132	826.4	0.12	0.171	24.17	25.00	1.211	0.207	/
Ant.0	Level5&6	off	RMC	Left Edge	10	4132	826.4	0.07	0.090	24.17	25.00	1.211	0.109	/
Ant.0	Level5&6	off	RMC	Right Edge	10	4132	826.4	0.05	0.170	24.17	25.00	1.211	0.206	/
Ant.0	Level5&6	on1	RMC	Bottom Edge	10	4132	826.4	0.06	0.189	24.17	25.00	1.211	0.229	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Left Cheek	0	18900	1880	1	Mid	0.08	0.412	16.02	17.50	1.406	0.579	/
Ant.1	Level1&2&3	N/A	QPSK	Left Cheek	0	18700	1860	50	Low	-0.14	0.354	16.13	17.50	1.371	0.486	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	18900	1880	1	Mid	0.09	0.555	16.02	17.50	1.406	0.781	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	18700	1860	50	Low	0.13	0.480	16.13	17.50	1.371	0.658	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	18900	1880	1	Mid	0.04	0.560	16.02	17.50	1.406	0.788	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	18700	1860	50	Low	-0.03	0.450	16.13	17.50	1.371	0.616	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	18900	1880	1	Mid	-0.17	0.703	16.02	17.50	1.406	0.989	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	18700	1860	1	Mid	0.00	0.691	15.98	17.50	1.419	0.981	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	19100	1900	1	Mid	0.09	0.717	15.92	17.50	1.439	**1.032**	19#
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	18700	1860	50	Low	-0.12	0.605	16.13	17.50	1.371	0.830	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	18900	1880	50	Low	-0.09	0.598	16.06	17.50	1.393	0.833	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	19100	1900	50	Low	0.14	0.594	16.11	17.50	1.377	0.818	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	19100	1900	100	Low	0.06	0.578	16.09	17.50	1.384	0.800	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	18900	1880	1	Mid	-0.14	0.063	22.97	23.70	1.183	0.075	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	19100	1900	50	Mid	-0.07	0.052	22.10	22.70	1.148	0.060	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	18900	1880	1	Mid	-0.12	0.007	22.97	23.70	1.183	0.008	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	19100	1900	50	Mid	0.07	0.004	22.10	23.70	1.445	0.006	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	18900	1880	1	Mid	-0.07	0.052	22.97	23.70	1.183	0.062	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	19100	1900	50	Mid	-0.03	0.033	22.10	23.70	1.445	0.048	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	18900	1880	1	Mid	0.13	0.053	22.97	23.70	1.183	0.063	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	19100	1900	50	Mid	-0.12	0.048	22.10	23.70	1.445	0.069	/
Body-worn																
Ant.1	Level4	on2	QPSK	Front Side	15	19100	1900	1	High	0.03	0.165	18.50	20.00	1.413	0.233	/
Ant.1	Level4	on2	QPSK	Front Side	15	19100	1900	50	Low	0.15	0.165	18.70	20.00	1.349	0.223	/
Ant.1	Level4	on2	QPSK	Back Side	15	19100	1900	1	High	-0.18	0.202	18.50	20.00	1.413	0.285	/
Ant.1	Level4	on2	QPSK	Back Side	15	19100	1900	50	Low	-0.08	0.263	18.70	20.00	1.349	**0.355**	20#
Ant.0	Level4	on1	QPSK	Front Side	15	18900	1880	1	Mid	0.02	0.140	21.85	22.70	1.216	0.170	/
Ant.0	Level4	on1	QPSK	Front Side	15	19100	1900	50	Low	0.10	0.121	21.98	22.70	1.180	0.143	/
Ant.0	Level4	off	QPSK	Back Side	15	18900	1880	1	Mid	-0.09	0.228	22.97	23.70	1.183	0.270	/
Ant.0	Level4	off	QPSK	Back Side	15	19100	1900	50	Low	-0.07	0.203	22.10	22.70	1.148	0.233	/
Hotspot																
Ant.1	Level5&6	on2	QPSK	Front Side	10	19100	1900	1	High	-0.19	0.263	18.51	20.00	1.409	0.370	/
Ant.1	Level5&6	on2	QPSK	Front Side	10	19100	1900	50	Low	-0.09	0.216	18.70	20.00	1.349	0.292	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	19100	1900	1	High	0.02	0.426	18.51	20.00	1.409	0.600	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	19100	1900	50	Low	-0.03	0.375	18.70	20.00	1.349	0.506	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	19100	1900	1	High	0.11	0.072	18.51	20.00	1.409	0.102	/

Ant.1	Level5&6	on2	QPSK	Right Edge	10	19100	1900	50	Low	0.18	0.054	18.70	20.00	1.349	0.073	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	18700	1860	1	Mid	-0.14	0.666	18.45	20.00	1.429	0.951	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	18900	1880	1	Mid	0.14	0.675	18.50	20.00	1.413	**0.953**	21#
Ant.1	Level5&6	on2	QPSK	Top Edge	10	19100	1900	1	High	0.09	0.666	18.51	20.00	1.409	0.938	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	19100	1900	50	Low	-0.13	0.527	18.70	20.00	1.349	0.711	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	19100	1900	100	Low	-0.18	0.519	18.64	20.00	1.368	0.710	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	18900	1880	1	Mid	-0.03	0.252	21.85	22.70	1.216	0.306	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	19100	1900	50	Low	0.11	0.223	21.98	22.70	1.180	0.263	/
Ant.0	Level5&6	on1	QPSK	Back Side	10	18900	1880	1	Mid	0.11	0.407	21.85	22.70	1.216	0.495	/
Ant.0	Level5&6	on1	QPSK	Back Side	10	19100	1900	50	Low	0.07	0.359	21.98	22.70	1.180	0.424	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	18900	1880	1	Mid	0.01	0.121	22.97	23.70	1.183	0.143	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	19100	1900	50	Low	-0.10	0.100	22.10	22.70	1.148	0.115	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	18900	1880	1	Mid	-0.10	0.059	22.97	23.70	1.183	0.070	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	19100	1900	50	Low	0.03	0.011	22.10	22.70	1.148	0.013	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	18900	1880	1	Mid	0.02	0.677	21.85	22.70	1.216	0.823	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	18700	1860	1	Mid	-0.06	0.684	21.81	22.70	1.227	0.840	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	19100	1900	1	Mid	-0.11	0.658	21.79	22.70	1.233	0.811	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	19100	1900	50	Low	-0.05	0.619	21.98	22.70	1.180	0.731	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	19100	1900	100	Low	-0.14	0.589	21.98	22.70	1.180	0.695	/
P-sensor																
Ant.1	Level5&6	off	QPSK	Front Side	15	19100	1900	1	High	0.07	0.262	22.26	23.50	1.330	0.349	/
Ant.1	Level5&6	off	QPSK	Front Side	15	19100	1900	50	Low	0.00	0.220	21.36	22.50	1.300	0.286	/
Ant.1	Level5&6	off	QPSK	Back Side	22	19100	1900	1	High	-0.01	0.269	22.26	23.50	1.330	0.358	/
Ant.1	Level5&6	off	QPSK	Back Side	22	19100	1900	50	Low	0.13	0.225	21.36	22.50	1.300	0.293	/
Ant.1	Level5&6	off	QPSK	Right Edge	13	19100	1900	1	High	0.04	0.114	22.26	23.50	1.330	0.152	/
Ant.1	Level5&6	off	QPSK	Right Edge	13	19100	1900	50	Low	0.03	0.096	21.36	22.50	1.300	0.125	/
Ant.1	Level5&6	off	QPSK	Top Edge	22	19100	1900	1	High	0.02	0.364	22.26	23.50	1.330	0.484	/
Ant.1	Level5&6	off	QPSK	Top Edge	22	19100	1900	50	Low	-0.13	0.299	21.36	22.50	1.300	0.389	/
Ant.0	Level5&6	off	QPSK	Front Side	14	18900	1880	1	Mid	-0.02	0.172	22.97	23.70	1.183	0.203	/
Ant.0	Level5&6	off	QPSK	Front Side	14	19100	1900	50	Low	-0.10	0.147	22.10	22.70	1.148	0.169	/
Ant.0	Level5&6	off	QPSK	Back Side	13	18900	1880	1	Mid	-0.03	0.323	22.97	23.70	1.183	0.382	/
Ant.0	Level5&6	off	QPSK	Back Side	13	19100	1900	50	Low	-0.11	0.264	22.10	22.70	1.148	0.303	/
Ant.0	Level5&6	off	QPSK	Right Edge	7	18900	1880	1	Mid	-0.13	0.083	22.97	23.70	1.183	0.098	/
Ant.0	Level5&6	off	QPSK	Right Edge	7	19100	1900	50	Low	0.07	0.071	22.10	22.70	1.148	0.082	/
Ant.0	Level5&6	off	QPSK	Bottom Edge	18	18900	1880	1	Mid	-0.07	0.308	22.97	23.70	1.183	0.364	/
Ant.0	Level5&6	off	QPSK	Bottom Edge	18	19100	1900	50	Low	0.04	0.260	22.10	22.70	1.148	0.299	/

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

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.1	Level5&6	on2	QPSK	Back Side	0	19100	1900	1	High	-0.13	0.843	18.51	20.00	1.409	1.188	/
Ant.1	Level5&6	on2	QPSK	Back Side	0	19100	1900	50	Low	0.17	0.908	18.70	20.00	1.349	1.225	/
Ant.1	Level5&6	on2	QPSK	Top Edge	0	18700	1860	1	Mid	-0.12	1.120	18.45	20.00	1.429	1.600	/
Ant.1	Level5&6	on2	QPSK	Top Edge	0	18900	1880	1	Mid	-0.18	1.250	18.50	20.00	1.413	1.766	/
Ant.1	Level5&6	on2	QPSK	Top Edge	0	19100	1900	1	High	0.16	1.290	18.51	20.00	1.409	1.818	/
Ant.1	Level5&6	on2	QPSK	Top Edge	0	19100	1900	50	Low	-0.13	1.420	18.70	20.00	1.349	1.916	/
Ant.1	Level5&6	on2	QPSK	Top Edge	0	19100	1900	100	Low	0.14	1.440	18.64	20.00	1.368	**1.970**	22#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Left Cheek	0	20175	1732.5	1	Mid	0.18	0.271	13.71	15.30	1.442	0.390	/
Ant.1	Level1&2&3	N/A	QPSK	Left Cheek	0	20050	1720	50	Mid	0.05	0.235	13.72	15.30	1.439	0.339	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	20175	1732.5	1	Mid	0.00	0.351	13.71	15.30	1.442	0.507	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	20050	1720	50	Mid	-0.17	0.308	13.72	15.30	1.439	0.444	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	20175	1732.5	1	Mid	0.13	0.400	13.71	15.30	1.442	0.577	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	20050	1720	50	Mid	-0.15	0.310	13.72	15.30	1.439	0.446	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	20175	1732.5	1	Mid	-0.05	0.541	13.71	15.30	1.442	**0.780**	23#
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	20050	1720	50	Mid	0.07	0.498	13.72	15.30	1.439	0.717	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	20300	1745	1	Mid	-0.19	0.134	23.63	24.50	1.222	0.164	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	20175	1732.5	50	High	-0.07	0.110	22.64	23.50	1.219	0.134	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	20300	1745	1	Mid	0.00	0.013	23.63	24.50	1.222	0.016	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	20175	1732.5	50	High	0.09	0.008	22.64	23.50	1.219	0.010	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	20300	1745	1	Mid	0.19	0.075	23.63	24.50	1.222	0.092	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	20175	1732.5	50	High	0.11	0.060	22.64	23.50	1.219	0.073	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	20300	1745	1	Mid	0.05	0.021	23.63	24.50	1.222	0.026	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	20175	1732.5	50	High	-0.14	0.015	22.64	23.50	1.219	0.018	/
Body-worn																
Ant.1	Level4	on2	QPSK	Front Side	15	20300	1745	1	Mid	-0.18	0.130	17.73	19.30	1.435	0.187	/
Ant.1	Level4	on2	QPSK	Front Side	15	20050	1720	50	Mid	0.11	0.105	17.76	19.30	1.426	0.150	/
Ant.1	Level4	on2	QPSK	Back Side	15	20175	1732.5	1	Mid	0.07	0.265	17.73	19.30	1.435	**0.380**	24#
Ant.1	Level4	on2	QPSK	Back Side	15	20175	1732.5	50	Mid	-0.16	0.180	17.76	19.30	1.426	0.256	/
Ant.0	Level4	on1	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.04	0.171	19.95	21.50	1.429	0.244	/
Ant.0	Level4	on1	QPSK	Front Side	15	20050	1720	50	Mid	-0.19	0.171	19.97	21.50	1.422	0.243	/
Ant.0	Level4	off	QPSK	Back Side	15	20175	1732.5	1	Mid	0.03	0.200	23.64	24.50	1.219	0.244	/
Ant.0	Level4	off	QPSK	Back Side	15	20050	1720	50	Mid	0.00	0.189	22.62	23.50	1.225	0.231	/
Hotspot																
Ant.1	Level5&6	on2	QPSK	Front Side	10	20300	1745	1	Mid	0.06	0.262	17.73	19.30	1.435	0.376	/
Ant.1	Level5&6	on2	QPSK	Front Side	10	20050	1720	50	Mid	-0.14	0.221	17.76	19.30	1.426	0.315	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	20300	1745	1	Mid	0.06	0.436	17.73	19.30	1.435	0.626	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	20050	1720	50	Mid	0.14	0.348	17.76	19.30	1.426	0.496	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	20300	1745	1	Mid	0.17	0.019	17.73	19.30	1.435	0.027	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	20050	1720	50	Mid	-0.14	0.013	17.76	19.30	1.426	0.019	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	20300	1745	1	Mid	0.01	0.501	17.73	19.30	1.435	**0.719**	25#
Ant.1	Level5&6	on2	QPSK	Top Edge	10	20050	1720	50	Mid	0.16	0.446	17.76	19.30	1.426	0.636	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.01	0.235	19.95	21.50	1.429	0.336	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	20050	1720	50	Mid	0.18	0.197	19.97	21.50	1.422	0.281	/

Ant.0	Level5&6	on1	QPSK	Back Side	10	20175	1732.5	1	Mid	0.04	0.316	19.95	21.50	1.429	0.451	/
Ant.0	Level5&6	on1	QPSK	Back Side	10	20050	1720	50	Mid	-0.01	0.247	19.97	21.50	1.422	0.352	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	20175	1732.5	1	Mid	-0.01	0.080	23.64	24.50	1.219	0.097	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	20050	1720	50	Mid	0.16	0.064	22.62	23.50	1.225	0.078	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	20175	1732.5	1	Mid	-0.07	0.048	23.64	24.50	1.219	0.059	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	20050	1720	50	Mid	-0.12	0.033	22.62	23.50	1.225	0.040	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	20175	1732.5	1	Mid	-0.09	0.497	19.95	21.50	1.429	0.710	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	20050	1720	50	Mid	-0.01	0.469	19.97	21.50	1.422	0.667	/
P-sensor																
Ant.1	Level5&6	off	QPSK	Front Side	15	20300	1745	1	Mid	-0.02	0.360	22.98	24.30	1.355	0.488	/
Ant.1	Level5&6	off	QPSK	Front Side	15	20050	1720	50	High	-0.06	0.288	22.03	23.30	1.340	0.386	/
Ant.1	Level5&6	off	QPSK	Back Side	22	20300	1745	1	Mid	0.09	0.304	22.98	24.30	1.355	0.412	/
Ant.1	Level5&6	off	QPSK	Back Side	22	20050	1720	50	High	0.09	0.239	22.03	23.30	1.340	0.320	/
Ant.1	Level5&6	off	QPSK	Right Edge	13	20300	1745	1	Mid	-0.15	0.127	22.98	24.30	1.355	0.172	/
Ant.1	Level5&6	off	QPSK	Right Edge	13	20050	1720	50	High	-0.01	0.099	22.03	23.30	1.340	0.133	/
Ant.1	Level5&6	off	QPSK	Top Edge	22	20300	1745	1	Mid	0.10	0.371	22.98	24.30	1.355	0.503	/
Ant.1	Level5&6	off	QPSK	Top Edge	22	20050	1720	50	High	0.09	0.301	22.03	23.30	1.340	0.403	/
Ant.0	Level5&6	off	QPSK	Front Side	14	20175	1732.5	1	Mid	0.14	0.324	23.65	24.50	1.216	0.394	/
Ant.0	Level5&6	off	QPSK	Front Side	14	20050	1720	50	Mid	-0.02	0.262	22.66	23.50	1.213	0.318	/
Ant.0	Level5&6	off	QPSK	Back Side	13	20175	1732.5	1	Mid	-0.10	0.504	23.65	24.50	1.216	0.613	/
Ant.0	Level5&6	off	QPSK	Back Side	13	20050	1720	50	Mid	0.03	0.402	22.66	23.50	1.213	0.488	/
Ant.0	Level5&6	off	QPSK	Right Edge	7	20175	1732.5	1	Mid	-0.09	0.137	23.65	24.50	1.216	0.167	/
Ant.0	Level5&6	off	QPSK	Right Edge	7	20050	1720	50	Mid	-0.04	0.115	22.66	23.50	1.213	0.140	/
Ant.0	Level5&6	off	QPSK	Bottom Edge	18	20175	1732.5	1	Mid	-0.03	0.467	23.65	24.50	1.216	0.568	/
Ant.0	Level5&6	off	QPSK	Bottom Edge	18	20050	1720	50	Mid	0.13	0.359	22.66	23.50	1.213	0.436	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Power Reduction	Sensor State	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																
Ant.1	Level5&6	on2	QPSK	Back Side	0	20300	1745	1	Mid	-0.03	0.673	17.73	19.30	1.435	0.966	/
Ant.1	Level5&6	on2	QPSK	Back Side	0	20050	1720	50	Mid	0.19	0.703	17.76	19.30	1.426	1.002	/
Ant.1	Level5&6	on2	QPSK	Top Edge	0	20300	1745	1	Mid	-0.11	0.555	17.73	19.30	1.435	0.797	/
Ant.1	Level5&6	on2	QPSK	Top Edge	0	20050	1720	50	Mid	0.07	0.584	17.76	19.30	1.426	0.833	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	0	20175	1732.5	1	Mid	-0.11	1.140	19.95	21.50	1.429	1.629	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	0	20050	1720	50	Mid	0.13	1.220	19.97	21.50	1.422	**1.735**	26#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.8 LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Left Cheek	0	20450	829	1	Mid	0.02	0.401	21.56	22.80	1.330	0.533	/
Ant.1	Level1&2&3	N/A	QPSK	Left Cheek	0	20450	829	50	Low	0.19	0.309	21.54	22.80	1.337	0.413	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	20450	829	1	Mid	-0.05	0.341	21.56	22.80	1.330	0.453	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	20450	829	50	Low	-0.06	0.259	21.54	22.80	1.337	0.346	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	20450	829	1	Mid	-0.11	0.543	21.56	22.80	1.330	**0.722**	27#
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	20450	829	50	Low	0.13	0.449	21.54	22.80	1.337	0.600	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	20450	829	1	Mid	0.04	0.507	21.56	22.80	1.330	0.674	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	20450	829	50	Low	0.16	0.399	21.54	22.80	1.337	0.533	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	20450	829	1	Mid	0.19	0.177	23.82	24.80	1.253	0.222	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	20450	829	50	Mid	-0.19	0.138	22.80	23.80	1.259	0.174	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	20450	829	1	Mid	-0.14	0.097	23.82	24.80	1.253	0.122	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	20450	829	50	Mid	-0.15	0.079	22.80	23.80	1.259	0.099	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	20450	829	1	Mid	-0.12	0.119	23.82	24.80	1.253	0.149	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	20450	829	50	Mid	0.02	0.091	22.80	23.80	1.259	0.115	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	20450	829	1	Mid	-0.11	0.076	23.82	24.80	1.253	0.095	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	20450	829	50	Mid	-0.15	0.057	22.80	23.80	1.259	0.072	/
Body-worn																
Ant.1	Level4	on2	QPSK	Front Side	15	20450	829	1	High	0.08	0.103	23.68	24.80	1.294	0.133	/
Ant.1	Level4	on2	QPSK	Front Side	15	20525	836.5	50	High	-0.10	0.093	22.65	23.80	1.303	0.121	/
Ant.1	Level4	on2	QPSK	Back Side	15	20450	829	1	High	0.17	0.102	23.68	24.80	1.294	0.132	/
Ant.1	Level4	on2	QPSK	Back Side	15	20525	836.5	50	High	-0.02	0.108	22.65	23.80	1.303	0.141	/
Ant.0	Level4	on1	QPSK	Front Side	15	20450	829	1	Mid	-0.03	0.106	23.82	24.80	1.253	0.133	/
Ant.0	Level4	on1	QPSK	Front Side	15	20450	829	50	Mid	0.00	0.124	22.80	23.80	1.259	0.156	/
Ant.0	Level4	off	QPSK	Back Side	15	20450	829	1	Mid	0.02	0.126	23.82	24.80	1.253	**0.158**	28#
Ant.0	Level4	off	QPSK	Back Side	15	20450	829	50	Mid	-0.10	0.120	22.80	23.80	1.259	0.151	/
Hotspot																
Ant.1	Level5&6	on2	QPSK	Front Side	10	20450	829	1	High	-0.13	0.219	23.68	24.80	1.294	0.283	/
Ant.1	Level5&6	on2	QPSK	Front Side	10	20525	836.5	50	High	-0.11	0.169	22.65	23.80	1.303	0.220	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	20450	829	1	High	-0.05	0.256	23.68	24.80	1.294	**0.331**	29#
Ant.1	Level5&6	on2	QPSK	Back Side	10	20525	836.5	50	High	0.04	0.214	22.65	23.80	1.303	0.279	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	20450	829	1	High	-0.13	0.105	23.68	24.80	1.294	0.136	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	20525	836.5	50	High	0.00	0.080	22.65	23.80	1.303	0.104	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	20450	829	1	High	0.02	0.211	23.68	24.80	1.294	0.273	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	20525	836.5	50	High	-0.04	0.162	22.65	23.80	1.303	0.211	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	20450	829	1	Mid	0.15	0.142	23.82	24.80	1.253	0.178	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	20450	829	50	Mid	-0.01	0.112	22.80	23.80	1.259	0.141	/

Ant.0	Level5&6	on1	QPSK	Back Side	10	20450	829	1	Mid	-0.15	0.164	23.82	24.80	1.253	0.206	/
Ant.0	Level5&6	on1	QPSK	Back Side	10	20450	829	50	Mid	0.04	0.130	22.80	23.80	1.259	0.164	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	20450	829	1	Mid	-0.05	0.092	23.82	24.80	1.253	0.115	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	20450	829	50	Mid	-0.06	0.072	22.80	23.80	1.259	0.091	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	20450	829	1	Mid	-0.15	0.159	23.82	24.80	1.253	0.199	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	20450	829	50	Mid	-0.17	0.129	22.80	23.80	1.259	0.162	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	20450	829	1	Mid	0.07	0.181	23.82	24.80	1.253	0.227	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	20450	829	50	Mid	-0.12	0.140	22.80	23.80	1.259	0.176	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Left Cheek	0	21350	2560	1	Mid	0.03	0.122	17.55	18.80	1.334	0.163	/
Ant.1	Level1&2&3	N/A	QPSK	Left Cheek	0	21350	2560	50	Mid	-0.18	0.116	17.68	18.80	1.294	0.151	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	21350	2560	1	Mid	-0.01	0.038	17.55	18.80	1.334	0.051	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	21350	2560	50	Mid	-0.02	0.034	17.68	18.80	1.294	0.044	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	21350	2560	1	Mid	0.07	0.265	17.55	18.80	1.334	0.353	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	21350	2560	50	Mid	-0.17	0.195	17.68	18.80	1.294	0.253	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	21350	2560	1	Mid	-0.15	0.366	17.55	18.80	1.334	**0.488**	30#
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	21350	2560	50	Mid	-0.09	0.347	17.68	18.80	1.294	0.449	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	21350	2560	1	Mid	0.10	0.138	23.56	24.30	1.186	0.164	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	21350	2560	50	Low	0.05	0.108	22.65	23.30	1.161	0.125	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	21350	2560	1	Mid	0.19	0.105	23.56	24.30	1.186	0.125	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	21350	2560	50	Low	0.10	0.085	22.65	24.30	1.462	0.124	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	21350	2560	1	Mid	-0.14	0.229	23.56	24.30	1.186	0.272	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	21350	2560	50	Low	0.14	0.182	22.65	24.30	1.462	0.266	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	21350	2560	1	Mid	-0.13	0.158	23.56	24.30	1.186	0.187	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	21350	2560	50	Low	0.19	0.119	22.65	24.30	1.462	0.174	/
Ant.4 (Only For ENDC)	Level1&2&3	N/A	QPSK	Left Cheek	0	21100	2535	1	High	0.04	0.058	17.56	18.00	1.107	0.064	/
	Level1&2&3	N/A	QPSK	Left Cheek	0	21100	2535	50	Low	-0.06	0.063	16.48	18.00	1.419	0.089	/
	Level1&2&3	N/A	QPSK	Left Tilt	0	21100	2535	1	High	-0.18	0.072	17.56	18.00	1.107	0.080	/
	Level1&2&3	N/A	QPSK	Left Tilt	0	21100	2535	50	Low	-0.19	0.077	16.48	18.00	1.419	0.109	/
	Level1&2&3	N/A	QPSK	Right Cheek	0	21100	2535	1	High	0.02	0.172	17.56	18.00	1.107	0.190	/
	Level1&2&3	N/A	QPSK	Right Cheek	0	21100	2535	50	Low	-0.10	0.174	16.48	18.00	1.419	0.247	/
	Level1&2&3	N/A	QPSK	Right Tilt	0	21100	2535	1	High	0.13	0.196	17.56	18.00	1.107	0.217	/
	Level1&2&3	N/A	QPSK	Right Tilt	0	21100	2535	50	Low	0.07	0.209	16.48	18.00	1.419	0.297	/
Body-worn																
Ant.1	Level4	on2	QPSK	Front Side	15	21350	2560	1	Mid	-0.10	0.064	19.69	20.80	1.291	0.083	/
Ant.1	Level4	on2	QPSK	Front Side	15	21350	2560	50	Mid	0.12	0.053	19.75	20.80	1.274	0.067	/
Ant.1	Level4	on2	QPSK	Back Side	15	21350	2560	1	Mid	0.16	0.157	19.69	20.80	1.291	0.203	/
Ant.1	Level4	on2	QPSK	Back Side	15	21350	2560	50	Mid	0.16	0.127	19.75	20.80	1.274	0.161	/
Ant.0	Level4	on1	QPSK	Front Side	15	21350	2560	1	Mid	0.18	0.116	20.73	21.80	1.279	0.148	/
Ant.0	Level4	on1	QPSK	Front Side	15	21350	2560	50	Low	-0.01	0.115	20.84	21.80	1.247	0.143	/
Ant.0	Level4	off	QPSK	Back Side	15	21350	2560	1	Mid	-0.05	0.179	23.56	24.30	1.186	**0.212**	31#
Ant.0	Level4	off	QPSK	Back Side	15	21350	2560	50	Low	0.01	0.167	22.65	23.30	1.161	0.194	/
Ant.4 (Only	Level4	N/A	QPSK	Front Side	15	21100	2535	1	High	-0.11	0.018	17.08	17.50	1.102	0.020	/
	Level4	N/A	QPSK	Front Side	15	21100	2535	50	Low	-0.11	0.013	15.84	17.50	1.466	0.019	/
	Level4	N/A	QPSK	Back Side	15	21100	2535	1	High	0.14	0.031	17.08	17.50	1.102	0.034	/

For ENDC)	Level4	N/A	QPSK	Back Side	15	21100	2535	50	Low	-0.07	0.026	15.84	17.50	1.466	0.038	/
Hotspot																
Ant.1	Level5&6	on2	QPSK	Front Side	10	21350	2560	1	Mid	0.18	0.101	19.69	20.80	1.291	0.130	/
Ant.1	Level5&6	on2	QPSK	Front Side	10	21350	2560	50	Mid	-0.15	0.100	19.75	20.80	1.274	0.127	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	21350	2560	1	Mid	-0.06	0.263	19.69	20.80	1.291	0.340	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	21350	2560	50	Mid	0.19	0.191	19.75	20.80	1.274	0.243	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	21350	2560	1	Mid	0.08	0.204	19.69	20.80	1.291	0.263	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	21350	2560	50	Mid	-0.03	0.205	19.75	20.80	1.274	0.261	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	21350	2560	1	Mid	0.06	0.228	19.69	20.80	1.291	0.294	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	21350	2560	50	Mid	-0.09	0.248	19.75	20.80	1.274	0.316	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	21350	2560	1	Mid	-0.03	0.200	20.73	21.80	1.279	0.256	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	21350	2560	50	Mid	0.02	0.208	20.84	21.80	1.247	0.259	/
Ant.0	Level5&6	on1	QPSK	Back Side	10	21350	2560	1	Mid	0.17	0.278	20.73	21.80	1.279	**0.356**	32#
Ant.0	Level5&6	on1	QPSK	Back Side	10	21350	2560	50	Mid	0.06	0.261	20.84	21.80	1.247	0.326	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	21350	2560	1	Mid	-0.01	0.148	23.56	24.30	1.186	0.175	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	21350	2560	50	Mid	0.07	0.147	23.56	24.30	1.186	0.174	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	21350	2560	1	Mid	-0.01	0.050	23.56	24.30	1.186	0.059	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	21350	2560	50	Mid	-0.03	0.051	23.56	24.30	1.186	0.060	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	21350	2560	1	Mid	0.10	0.254	20.73	21.80	1.279	0.325	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	21350	2560	50	Mid	-0.12	0.252	20.84	21.80	1.247	0.314	/
Ant.4 (Only For ENDC)	Level5&6	N/A	QPSK	Front Side	10	21100	2535	1	High	-0.09	0.045	17.08	17.50	1.102	0.050	/
	Level5&6	N/A	QPSK	Front Side	10	21100	2535	50	Low	0.14	0.041	15.84	17.50	1.466	0.060	/
	Level5&6	N/A	QPSK	Back Side	10	21100	2535	1	High	0.13	0.124	17.08	17.50	1.102	0.137	/
	Level5&6	N/A	QPSK	Back Side	10	21100	2535	50	Low	0.14	0.117	15.84	17.50	1.466	0.171	/
	Level5&6	N/A	QPSK	Right Edge	10	21100	2535	1	High	-0.17	0.090	17.08	17.50	1.102	0.099	/
	Level5&6	N/A	QPSK	Right Edge	10	21100	2535	50	Low	0.14	0.106	15.84	17.50	1.466	0.155	/
	Level5&6	N/A	QPSK	Top Edge	10	21100	2535	1	High	-0.16	0.088	17.08	17.50	1.102	0.097	/
	Level5&6	N/A	QPSK	Top Edge	10	21100	2535	50	Low	-0.08	0.087	15.84	17.50	1.466	0.128	/
P-sensor																
Ant.1	Level5&6	off	QPSK	Front Side	15	21350	2560	1	High	-0.07	0.104	22.79	23.80	1.262	0.131	/
Ant.1	Level5&6	off	QPSK	Front Side	15	21350	2560	50	Low	0.00	0.080	21.97	22.80	1.211	0.097	/
Ant.1	Level5&6	off	QPSK	Back Side	22	21350	2560	1	High	-0.03	0.120	22.79	23.80	1.262	0.151	/
Ant.1	Level5&6	off	QPSK	Back Side	22	21350	2560	50	Low	0.08	0.099	21.97	22.80	1.211	0.120	/
Ant.1	Level5&6	off	QPSK	Right Edge	13	21350	2560	1	High	-0.13	0.270	22.79	23.80	1.262	0.341	/
Ant.1	Level5&6	off	QPSK	Right Edge	13	21350	2560	50	Low	0.14	0.218	21.97	22.80	1.211	0.264	/
Ant.1	Level5&6	off	QPSK	Top Edge	22	21350	2560	1	High	0.10	0.121	22.79	23.80	1.262	0.153	/
Ant.1	Level5&6	off	QPSK	Top Edge	22	21350	2560	50	Low	-0.15	0.099	21.97	22.80	1.211	0.120	/
Ant.0	Level5&6	off	QPSK	Front Side	14	21350	2560	1	Mid	0.05	0.172	23.56	24.30	1.186	0.204	/
Ant.0	Level5&6	off	QPSK	Front Side	14	21350	2560	50	Low	0.06	0.142	22.65	23.30	1.161	0.165	/
Ant.0	Level5&6	off	QPSK	Back Side	13	21350	2560	1	Mid	-0.02	0.293	23.56	24.30	1.186	0.347	/
Ant.0	Level5&6	off	QPSK	Back Side	13	21350	2560	50	Low	0.02	0.242	22.65	23.30	1.161	0.281	/
Ant.0	Level5&6	off	QPSK	Right Edge	7	21350	2560	1	Mid	-0.10	0.116	23.56	24.30	1.186	0.138	/

Ant.0	Level5&6	off	QPSK	Right Edge	7	21350	2560	50	Low	0.06	0.097	22.65	23.30	1.161	0.113	/
Ant.0	Level5&6	off	QPSK	Bottom Edge	18	21350	2560	1	Mid	0.12	0.113	23.56	24.30	1.186	0.134	/
Ant.0	Level5&6	off	QPSK	Bottom Edge	18	21350	2560	50	Low	-0.05	0.085	22.65	23.30	1.161	0.099	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

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

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Right Tilt	0	20850+21048	2510+2529.8	1+1	High+Low	0.06	0.302	17.52	19.30	1.507	0.455	73#
Body-worn-CA																
Ant.0	Level4	on1	QPSK	Back Side	15	20850+21048	2510+2529.8	1+1	High+Low	-0.19	0.157	23.35	23.70	1.084	0.170	74#
Hotsport-CA																
Ant.0	Level5&6	on1	QPSK	Back Side	10	20850+21048	2510+2529.8	1+1	High+Low	-0.19	0.265	20.56	21.20	1.159	0.307	75#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Left Cheek	0	23060	704	1	Mid	-0.18	0.315	22.95	24.30	1.365	0.430	/
Ant.1	Level1&2&3	N/A	QPSK	Left Cheek	0	23060	704	50	Mid	-0.05	0.205	22.46	23.80	1.361	0.279	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	23060	704	1	Mid	0.17	0.252	22.95	24.30	1.365	0.344	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	23060	704	50	Mid	-0.13	0.157	22.46	23.80	1.361	0.213	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	23060	704	1	Mid	0.19	0.522	22.95	24.30	1.365	**0.712**	33#
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	23060	704	50	Mid	-0.01	0.389	22.46	23.80	1.361	0.530	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	23060	704	1	Mid	0.17	0.473	22.95	24.30	1.365	0.645	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	23060	704	50	Mid	-0.08	0.327	22.46	23.80	1.361	0.445	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	23060	704	1	Mid	0.06	0.068	23.85	24.80	1.245	0.085	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	23060	704	50	Mid	0.14	0.054	22.84	23.80	1.247	0.067	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	23060	704	1	Mid	0.10	0.022	23.85	24.80	1.245	0.027	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	23060	704	50	Mid	-0.15	0.019	22.84	23.80	1.247	0.024	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	23060	704	1	Mid	0.02	0.049	23.85	24.80	1.245	0.061	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	23060	704	50	Mid	0.14	0.033	22.84	23.80	1.247	0.041	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	23060	704	1	Mid	-0.09	0.017	23.85	24.80	1.245	0.021	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	23060	704	50	Mid	0.01	0.011	22.84	23.80	1.247	0.014	/
Body-worn																
Ant.1	Level4	on2	QPSK	Front Side	15	23060	704	1	Mid	0.16	0.175	23.65	24.80	1.303	0.228	/
Ant.1	Level4	on2	QPSK	Front Side	15	23060	704	50	High	-0.14	0.137	22.67	23.80	1.297	0.178	/
Ant.1	Level4	on2	QPSK	Back Side	15	23060	704	1	Mid	0.05	0.201	23.65	24.80	1.303	**0.262**	34#
Ant.1	Level4	on2	QPSK	Back Side	15	23060	704	50	High	0.17	0.173	22.67	23.80	1.297	0.224	/
Ant.0	Level4	on1	QPSK	Front Side	15	23095	707.5	1	Mid	0.17	0.069	23.85	24.80	1.245	0.086	/
Ant.0	Level4	on1	QPSK	Front Side	15	23095	707.5	50	Mid	0.07	0.054	22.84	23.80	1.247	0.067	/
Ant.0	Level4	off	QPSK	Back Side	15	23095	707.5	1	Mid	-0.13	0.084	23.85	24.80	1.245	0.105	/
Ant.0	Level4	off	QPSK	Back Side	15	23095	707.5	50	Mid	-0.07	0.065	22.84	23.80	1.247	0.081	/
Hotspot																
Ant.1	Level5&6	on2	QPSK	Front Side	10	23060	704	1	Mid	0.02	0.157	23.65	24.80	1.303	0.205	/
Ant.1	Level5&6	on2	QPSK	Front Side	10	23060	704	50	High	-0.12	0.123	22.67	23.80	1.297	0.160	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	23060	704	1	Mid	-0.12	0.181	23.65	24.80	1.303	0.236	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	23060	704	50	High	-0.15	0.163	22.67	23.80	1.297	0.211	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	23060	704	1	Mid	-0.01	0.188	23.65	24.80	1.303	**0.245**	35#
Ant.1	Level5&6	on2	QPSK	Right Edge	10	23060	704	50	High	-0.14	0.175	22.67	23.80	1.297	0.227	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	23060	704	1	Mid	0.19	0.130	23.65	24.80	1.303	0.169	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	23060	704	50	High	0.03	0.100	22.67	23.80	1.297	0.130	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	23095	707.5	1	Mid	0.03	0.066	23.85	24.80	1.245	0.082	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	23095	707.5	50	Mid	-0.12	0.051	22.84	23.80	1.247	0.064	/

Ant.0	Level5&6	on1	QPSK	Back Side	10	23095	707.5	1	Mid	-0.15	0.101	23.85	24.80	1.245	0.126	/
Ant.0	Level5&6	on1	QPSK	Back Side	10	23095	707.5	50	Mid	0.18	0.071	22.84	23.80	1.247	0.089	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	23095	707.5	1	Mid	-0.19	0.046	23.85	24.80	1.245	0.057	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	23095	707.5	50	Mid	0.05	0.018	22.84	23.80	1.247	0.022	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	23095	707.5	1	Mid	0.18	0.100	23.85	24.80	1.245	0.124	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	23095	707.5	50	Mid	-0.02	0.071	22.84	23.80	1.247	0.089	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	23095	707.5	1	Mid	0.17	0.076	23.85	24.80	1.245	0.095	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	23095	707.5	50	Mid	0.09	0.062	22.84	23.80	1.247	0.077	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.12 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Left Cheek	0	38150	2610	1	Mid	-0.06	0.151	19.06	20.30	1.330	0.201	/
Ant.1	Level1&2&3	N/A	QPSK	Left Cheek	0	38150	2610	50	Mid	0.08	0.134	19.05	20.30	1.334	0.178	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	38150	2610	1	Mid	0.13	0.187	19.06	20.30	1.330	0.248	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	38150	2610	50	Mid	-0.03	0.174	19.05	20.30	1.334	0.231	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	38150	2610	1	Mid	-0.07	0.388	19.06	20.30	1.330	0.516	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	38150	2610	50	Mid	-0.06	0.326	19.05	20.30	1.334	0.435	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	38150	2610	1	Mid	-0.06	0.392	19.06	20.30	1.330	**0.522**	36#
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	38150	2610	50	Mid	0.05	0.374	19.05	20.30	1.334	0.499	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	38150	2610	1	Mid	0.11	0.074	23.99	24.50	1.125	0.083	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	38150	2610	50	High	0.14	0.059	22.99	23.50	1.125	0.066	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	38150	2610	1	Mid	0.08	0.064	23.99	24.50	1.125	0.072	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	38150	2610	50	High	-0.06	0.050	22.99	23.50	1.125	0.056	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	38150	2610	1	Mid	0.15	0.132	23.99	24.50	1.125	0.148	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	38150	2610	50	High	-0.09	0.105	22.99	23.50	1.125	0.118	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	38150	2610	1	Mid	0.18	0.074	23.99	24.50	1.125	0.083	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	38150	2610	50	High	0.02	0.058	22.99	23.50	1.125	0.065	/
Body-worn																
Ant.1	Level4	on2	QPSK	Front Side	15	38150	2610	1	High	-0.16	0.078	21.55	22.80	1.334	0.104	/
Ant.1	Level4	on2	QPSK	Front Side	15	37850	2580	50	Mid	0.16	0.067	21.59	22.80	1.321	0.089	/
Ant.1	Level4	on2	QPSK	Back Side	15	38150	2610	1	High	0.14	0.189	21.55	22.80	1.334	**0.252**	37#
Ant.1	Level4	on2	QPSK	Back Side	15	37850	2580	50	Mid	0.07	0.168	21.59	22.80	1.321	0.222	/
Ant.0	Level4	on1	QPSK	Front Side	15	38150	2610	1	Mid	-0.14	0.098	23.22	24.00	1.197	0.117	/
Ant.0	Level4	on1	QPSK	Front Side	15	38150	2610	50	High	0.02	0.076	22.71	23.50	1.199	0.091	/
Ant.0	Level4	off	QPSK	Back Side	15	38150	2610	1	Mid	0.14	0.155	23.99	24.50	1.125	0.174	/
Ant.0	Level4	off	QPSK	Back Side	15	38150	2610	50	High	0.10	0.123	22.99	23.50	1.125	0.138	/
Hotspot																
Ant.1	Level5&6	on2	QPSK	Front Side	10	38150	2610	1	High	0.06	0.139	21.55	22.80	1.334	0.185	/
Ant.1	Level5&6	on2	QPSK	Front Side	10	37850	2580	50	Mid	0.02	0.127	21.59	22.80	1.321	0.168	/
Ant.1	Level5&6	on2	QPSK	Back Side	10	38150	2610	1	High	-0.16	0.365	21.55	22.80	1.334	**0.487**	38#
Ant.1	Level5&6	on2	QPSK	Back Side	10	37850	2580	50	Mid	-0.19	0.358	21.59	22.80	1.321	0.473	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	38150	2610	1	High	-0.11	0.202	21.55	22.80	1.334	0.270	/
Ant.1	Level5&6	on2	QPSK	Right Edge	10	37850	2580	50	Mid	-0.02	0.158	21.59	22.80	1.321	0.209	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	38150	2610	1	High	0.10	0.298	21.55	22.80	1.334	0.397	/
Ant.1	Level5&6	on2	QPSK	Top Edge	10	37850	2580	50	Mid	-0.10	0.289	21.59	22.80	1.321	0.382	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	38150	2610	1	Mid	0.07	0.172	23.22	24.00	1.197	0.206	/
Ant.0	Level5&6	on1	QPSK	Front Side	10	38150	2610	50	High	0.09	0.130	22.71	23.50	1.199	0.156	/

Ant.0	Level5&6	on1	QPSK	Back Side	10	38150	2610	1	Mid	-0.10	0.291	23.22	24.00	1.197	0.348	/
Ant.0	Level5&6	on1	QPSK	Back Side	10	38150	2610	50	High	0.08	0.223	22.71	23.50	1.199	0.267	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	38150	2610	1	Mid	-0.16	0.106	23.99	24.50	1.125	0.119	/
Ant.0	Level5&6	off	QPSK	Left Edge	10	38150	2610	50	High	0.03	0.081	22.99	23.50	1.125	0.091	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	38150	2610	1	Mid	0.10	0.052	23.99	24.50	1.125	0.058	/
Ant.0	Level5&6	off	QPSK	Right Edge	10	38150	2610	50	High	-0.05	0.041	22.99	23.50	1.125	0.046	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	38150	2610	1	Mid	-0.05	0.142	23.22	24.00	1.197	0.170	/
Ant.0	Level5&6	on1	QPSK	Bottom Edge	10	38150	2610	50	High	0.15	0.108	22.71	23.50	1.199	0.130	/
P-sensor																
Ant.1	off	0.0	QPSK	Front Side	15	38150	2610	1	Mid	0.13	0.083	23.12	24.30	1.312	0.109	/
Ant.1	off	0.0	QPSK	Front Side	15	37850	2580	50	Mid	0.07	0.063	22.22	23.30	1.282	0.081	/
Ant.1	off	0.0	QPSK	Back Side	22	38150	2610	1	Mid	-0.02	0.092	23.12	24.30	1.312	0.121	/
Ant.1	off	0.0	QPSK	Back Side	22	37850	2580	50	Mid	-0.08	0.085	22.22	23.30	1.282	0.109	/
Ant.1	off	0.0	QPSK	Right Edge	13	38150	2610	1	Mid	-0.13	0.233	23.12	24.30	1.312	0.306	/
Ant.1	off	0.0	QPSK	Right Edge	13	37850	2580	50	Mid	-0.08	0.179	22.22	23.30	1.282	0.230	/
Ant.1	off	0.0	QPSK	Top Edge	22	38150	2610	1	Mid	0.15	0.074	23.12	24.30	1.312	0.097	/
Ant.1	off	0.0	QPSK	Top Edge	22	37850	2580	50	Mid	0.08	0.073	22.22	23.30	1.282	0.094	/
Ant.0	off	0.0	QPSK	Front Side	14	38150	2610	1	High	0.09	0.056	23.99	24.50	1.125	0.063	/
Ant.0	off	0.0	QPSK	Front Side	14	38150	2610	50	High	0.03	0.084	22.99	23.50	1.125	0.094	/
Ant.0	off	0.0	QPSK	Back Side	13	38150	2610	1	High	0.11	0.114	23.99	24.50	1.125	0.128	/
Ant.0	off	0.0	QPSK	Back Side	13	38150	2610	50	High	0.13	0.147	22.99	23.50	1.125	0.165	/
Ant.0	off	0.0	QPSK	Right Edge	7	38150	2610	1	High	0.15	0.084	23.99	24.50	1.125	0.094	/
Ant.0	off	0.0	QPSK	Right Edge	7	38150	2610	50	High	0.15	0.055	22.99	23.50	1.125	0.062	/
Ant.0	off	0.0	QPSK	Bottom Edge	18	38150	2610	1	High	0.00	0.087	23.99	24.50	1.125	0.098	/
Ant.0	off	0.0	QPSK	Bottom Edge	18	38150	2610	50	High	0.08	0.071	22.99	23.50	1.125	0.080	/

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

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

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Right Tilt	0	38150+37952	2610+2590.2	1+1	Low+High	0.15	0.364	18.77	20.30	1.422	0.518	76#
Body-worn-CA																
Ant.1	Level4	on2	QPSK	Back Side	15	38150+37952	2610+2590.2	1+1	Low+High	-0.01	0.175	21.28	22.80	1.419	0.248	77#
Hotspot-CA																
Ant.1	Level5&6	on2	QPSK	Back Side	10	38150+37952	2610+2590.2	1+1	Low+High	0.16	0.341	21.28	22.80	1.419	0.484	78#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.14 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Left Cheek	0	41490	2680	1	Mid	0.08	0.141	18.65	19.80	1.303	0.184	/
Ant.1	Level1&2&3	N/A	QPSK	Left Cheek	0	41490	2680	50	Low	-0.08	0.114	18.72	19.80	1.282	0.146	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	41490	2680	1	Mid	-0.14	0.174	18.65	19.80	1.303	0.227	/
Ant.1	Level1&2&3	N/A	QPSK	Left Tilt	0	41490	2680	50	Low	0.08	0.138	18.72	19.80	1.282	0.177	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	41490	2680	1	Mid	0.16	0.273	18.65	19.80	1.303	0.355	/
Ant.1	Level1&2&3	N/A	QPSK	Right Cheek	0	41490	2680	50	Low	-0.19	0.272	18.72	19.80	1.282	0.349	/
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	41490	2680	1	Mid	0.03	0.295	18.65	19.80	1.303	**0.384**	39#
Ant.1	Level1&2&3	N/A	QPSK	Right Tilt	0	41490	2680	50	Low	0.10	0.273	18.72	19.80	1.282	0.350	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	41490	2680	1	Mid	0.17	0.072	23.91	24.50	1.146	0.082	/
Ant.0	Level1&2&3	N/A	QPSK	Left Cheek	0	41490	2680	50	Mid	0.04	0.058	23.04	23.50	1.112	0.064	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	41490	2680	1	Mid	0.13	0.063	23.91	24.50	1.146	0.072	/
Ant.0	Level1&2&3	N/A	QPSK	Left Tilt	0	41490	2680	50	Mid	-0.11	0.051	23.04	23.50	1.112	0.057	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	41490	2680	1	Mid	-0.10	0.135	23.91	24.50	1.146	0.155	/
Ant.0	Level1&2&3	N/A	QPSK	Right Cheek	0	41490	2680	50	Mid	0.13	0.103	23.04	23.50	1.112	0.115	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	41490	2680	1	Mid	0.09	0.070	23.91	24.50	1.146	0.080	/
Ant.0	Level1&2&3	N/A	QPSK	Right Tilt	0	41490	2680	50	Mid	0.03	0.062	23.04	23.50	1.112	0.069	/
Body-worn																
Ant.1	Level4	on2	QPSK	Front Side	15	41490	2680	1	Mid	-0.09	0.055	20.61	21.80	1.315	0.072	/
Ant.1	Level4	on2	QPSK	Front Side	15	41490	2680	50	Mid	0.00	0.055	20.68	21.80	1.294	0.071	/
Ant.1	Level4	on2	QPSK	Back Side	15	41490	2680	1	Mid	-0.04	0.145	20.61	21.80	1.315	0.191	40#
Ant.1	Level4	on2	QPSK	Back Side	15	41490	2680	50	Mid	0.14	0.129	20.68	21.80	1.294	0.167	/
Ant.0	Level4	on1	QPSK	Front Side	15	41490	2680	1	Mid	0.14	0.117	23.19	24.00	1.205	0.141	/
Ant.0	Level4	on1	QPSK	Front Side	15	41490	2680	50	Mid	0.11	0.081	22.79	23.50	1.178	0.095	/
Ant.0	Level4	off	QPSK	Back Side	15	41490	2680	1	Mid	-0.02	0.125	23.91	24.50	1.146	0.143	/
Ant.0	Level4	off	QPSK	Back Side	15	41490	2680	50	Mid	-0.19	0.122	23.04	23.50	1.112	0.136	/
Hotspot																
Ant.1	Level5	on2	QPSK	Front Side	10	41490	2680	1	Mid	0.05	0.109	20.61	21.80	1.315	0.143	/
Ant.1	Level5	on2	QPSK	Front Side	10	41490	2680	50	Mid	0.03	0.105	20.68	21.80	1.294	0.136	/
Ant.1	Level5	on2	QPSK	Back Side	10	41490	2680	1	Mid	0.05	0.275	20.61	21.80	1.315	**0.362**	41#
Ant.1	Level5	on2	QPSK	Back Side	10	41490	2680	50	Mid	0.07	0.268	20.68	21.80	1.294	0.347	/
Ant.1	Level5	on2	QPSK	Right Edge	10	41490	2680	1	Mid	0.19	0.173	20.61	21.80	1.315	0.228	/
Ant.1	Level5	on2	QPSK	Right Edge	10	41490	2680	50	Mid	-0.10	0.190	20.68	21.80	1.294	0.246	/
Ant.1	Level5	on2	QPSK	Top Edge	10	41490	2680	1	Mid	0.08	0.152	20.61	21.80	1.315	0.200	/
Ant.1	Level5	on2	QPSK	Top Edge	10	41490	2680	50	Mid	0.09	0.150	20.68	21.80	1.294	0.194	/
Ant.0	Level5	on1	QPSK	Front Side	10	41490	2680	1	Mid	-0.16	0.152	23.19	24.50	1.352	0.206	/
Ant.0	Level5	on1	QPSK	Front Side	10	41490	2680	50	Mid	0.01	0.123	22.79	23.50	1.178	0.145	/

Ant.0	Level5	on1	QPSK	Back Side	10	41490	2680	1	Mid	-0.13	0.257	23.19	24.50	1.352	0.347	/
Ant.0	Level5	on1	QPSK	Back Side	10	41490	2680	50	Mid	-0.15	0.198	22.79	23.50	1.178	0.233	/
Ant.0	Level5	off	QPSK	Left Edge	10	41490	2680	1	Mid	-0.02	0.098	23.91	24.50	1.146	0.112	/
Ant.0	Level5	off	QPSK	Left Edge	10	41490	2680	50	Mid	0.04	0.086	23.04	23.50	1.112	0.096	/
Ant.0	Level5	off	QPSK	Right Edge	10	41490	2680	1	Mid	0.01	0.045	23.91	24.50	1.146	0.052	/
Ant.0	Level5	off	QPSK	Right Edge	10	41490	2680	50	Mid	-0.02	0.038	23.04	23.50	1.112	0.042	/
Ant.0	Level5	on1	QPSK	Bottom Edge	10	41490	2680	1	Mid	0.04	0.124	23.19	24.50	1.352	0.168	/
Ant.0	Level5	on1	QPSK	Bottom Edge	10	41490	2680	50	Mid	0.19	0.116	22.79	23.50	1.178	0.137	/
P-sensor																
Ant.1	off	0.0	QPSK	Front Side	15	41490	2680	1	High	0.04	0.108	23.13	24.30	1.309	0.141	/
Ant.1	off	0.0	QPSK	Front Side	15	41490	2680	50	Mid	-0.01	0.091	22.25	23.30	1.274	0.116	/
Ant.1	off	0.0	QPSK	Back Side	22	41490	2680	1	High	0.14	0.090	23.13	24.30	1.309	0.118	/
Ant.1	off	0.0	QPSK	Back Side	22	41490	2680	50	Mid	0.09	0.074	22.25	23.30	1.274	0.094	/
Ant.1	off	0.0	QPSK	Right Edge	13	41490	2680	1	High	0.11	0.239	23.13	24.30	1.309	0.313	/
Ant.1	off	0.0	QPSK	Right Edge	13	41490	2680	50	Mid	0.03	0.200	22.25	23.30	1.274	0.255	/
Ant.1	off	0.0	QPSK	Top Edge	22	41490	2680	1	High	-0.04	0.058	23.13	24.30	1.309	0.076	/
Ant.1	off	0.0	QPSK	Top Edge	22	41490	2680	50	Mid	-0.14	0.048	22.25	23.30	1.274	0.061	/
Ant.0	off	0.0	QPSK	Front Side	14	41490	2680	1	Mid	-0.12	0.062	23.91	24.50	1.146	0.071	/
Ant.0	off	0.0	QPSK	Front Side	14	41490	2680	50	High	0.05	0.051	23.04	23.50	1.112	0.057	/
Ant.0	off	0.0	QPSK	Back Side	13	41490	2680	1	Mid	-0.12	0.094	23.91	24.50	1.146	0.108	/
Ant.0	off	0.0	QPSK	Back Side	13	41490	2680	50	High	-0.06	0.073	23.04	23.50	1.112	0.081	/
Ant.0	off	0.0	QPSK	Right Edge	7	41490	2680	1	Mid	-0.05	0.050	23.91	24.50	1.146	0.057	/
Ant.0	off	0.0	QPSK	Right Edge	7	41490	2680	50	High	-0.01	0.040	23.04	23.50	1.112	0.044	/
Ant.0	off	0.0	QPSK	Bottom Edge	18	41490	2680	1	Mid	-0.07	0.078	23.91	24.50	1.146	0.089	/
Ant.0	off	0.0	QPSK	Bottom Edge	18	41490	2680	50	High	-0.13	0.064	23.04	23.50	1.112	0.071	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

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

Antenna	Power Reduction	Sensor State	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	Level1&2&3	N/A	QPSK	Right Tilt	0	41490+41292	2680+2660.2	1	Low+High	0.01	0.290	18.61	19.80	1.315	0.381	79#
Body-worn-CA																
Ant.1	Level4	on2	QPSK	Back Side	15	41490+41292	2680+2660.2	1	Low+High	0.02	0.116	20.37	21.80	1.390	0.161	80#
Hotspot-CA																
Ant.1	Level5	on2	QPSK	Back Side	10	41490+41292	2680+2660.2	1	Low+High	0.19	0.248	20.37	21.80	1.390	0.345	81#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

11.16 n5 (20MHz Bandwidth)

Ant.enna	Power Reduction	Sensor State	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-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.0	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	1	0.07	0.089	24.48	25.00	1.127	0.100	/
	Level1&2&3	N/A			Left Cheek	0	167300	836.5	50	0	-0.14	0.074	24.42	25.00	1.143	0.085	/
	Level1&2&3	N/A			Left Tilt	0	167300	836.5	1	1	0.04	0.045	24.48	25.00	1.127	0.051	/
	Level1&2&3	N/A			Left Tilt	0	167300	836.5	50	0	-0.06	0.032	24.42	25.00	1.143	0.037	/
	Level1&2&3	N/A			Right Cheek	0	167300	836.5	1	1	0.06	0.051	24.48	25.00	1.127	0.057	/
	Level1&2&3	N/A			Right Cheek	0	167300	836.5	50	0	0.01	0.043	24.42	25.00	1.143	0.049	/
	Level1&2&3	N/A			Right Tilt	0	167300	836.5	1	1	0.00	0.027	24.48	25.00	1.127	0.030	/
	Level1&2&3	N/A			Right Tilt	0	167300	836.5	50	0	-0.13	0.023	24.42	25.00	1.143	0.026	/
Ant.1	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	1	0.11	0.279	21.57	21.80	1.054	0.294	/
	Level1&2&3	N/A			Left Cheek	0	167300	836.5	50	0	0.15	0.263	21.42	21.80	1.091	0.287	/
	Level1&2&3	N/A			Left Tilt	0	167300	836.5	1	1	0.06	0.235	21.57	21.80	1.054	0.248	/
	Level1&2&3	N/A			Left Tilt	0	167300	836.5	50	0	0.01	0.227	21.42	21.80	1.091	0.248	/
	Level1&2&3	N/A			Right Cheek	0	167300	836.5	1	1	0.11	0.424	21.57	21.80	1.054	**0.447**	42#
	Level1&2&3	N/A			Right Cheek	0	167300	836.5	50	0	0.05	0.340	21.42	21.80	1.091	0.371	/
	Level1&2&3	N/A			Right Tilt	0	167300	836.5	1	1	-0.14	0.301	21.57	21.80	1.054	0.317	/
	Level1&2&3	N/A			Right Tilt	0	167300	836.5	50	0	0.07	0.291	21.42	21.80	1.091	0.318	/
Ant.1	Level1&2&3	N/A	DFT-s-OFDM BPSK	NSA	Left Cheek	0	167300	836.5	1	104	0.01	0.125	18.07	18.30	1.054	0.131	/
	Level1&2&3	N/A			Left Cheek	0	167300	836.5	50	0	-0.04	0.117	18.04	18.30	1.062	0.125	/
	Level1&2&3	N/A			Left Tilt	0	167300	836.5	1	104	0.02	0.105	18.07	18.30	1.054	0.111	/
	Level1&2&3	N/A			Left Tilt	0	167300	836.5	50	0	-0.01	0.101	18.04	18.30	1.062	0.108	/
	Level1&2&3	N/A			Right Cheek	0	167300	836.5	1	104	0.01	0.163	18.07	18.30	1.054	0.171	/
	Level1&2&3	N/A			Right Cheek	0	167300	836.5	50	0	-0.06	0.152	18.04	18.30	1.062	0.161	/
	Level1&2&3	N/A			Right Tilt	0	167300	836.5	1	104	-0.05	0.134	18.07	18.30	1.054	0.142	/
	Level1&2&3	N/A			Right Tilt	0	167300	836.5	50	0	-0.10	0.130	18.04	18.30	1.062	0.138	/
Body-Worn																	
Ant.0	Level4	on1	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	1	1	-0.03	0.067	24.48	25.00	1.127	0.076	/
	Level4	on1			Front Side	15	167300	836.5	50	0	-0.14	0.058	24.42	25.00	1.143	0.066	/
	Level4	off			Back Side	15	167300	836.5	1	1	-0.03	0.101	24.48	25.00	1.127	0.114	/
	Level4	off			Back Side	15	167300	836.5	50	0	0.03	0.093	24.42	25.00	1.143	0.106	/
Ant.1	Level4	on2	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	1	1	0.05	0.114	24.48	24.80	1.076	0.123	/
	Level4	on2			Front Side	15	167300	836.5	50	28	0.14	0.102	24.48	24.80	1.076	0.110	/
	Level4	on2			Back Side	15	167300	836.5	1	1	-0.08	0.157	24.48	24.80	1.076	**0.169**	43#
	Level4	on2			Back Side	15	167300	836.5	50	28	-0.01	0.131	24.48	24.80	1.076	0.141	/
Ant.1	Level4	on2	DFT-s-OFDM BPSK	NSA	Front Side	15	167300	836.5	1	53	0.02	0.072	22.52	22.80	1.067	0.077	/
	Level4	on2			Front Side	15	167300	836.5	50	0	0.07	0.064	22.43	22.80	1.089	0.070	/
	Level4	on2			Back Side	15	167300	836.5	1	53	0.06	0.097	22.52	22.80	1.067	0.103	/

	Level4	on2			Back Side	15	167300	836.5	50	0	0.07	0.089	22.43	22.80	1.089	0.097	/
Hotspot																	
Ant.0	Level5&6	on1	DFT-s-OFDM BPSK	SA	Front Side	10	167300	836.5	1	1	-0.13	0.097	24.48	25.00	1.127	0.109	/
	Level5&6	on1			Front Side	10	167300	836.5	50	0	-0.06	0.088	24.42	25.00	1.143	0.101	/
	Level5&6	on1			Back Side	10	167300	836.5	1	1	-0.08	0.113	24.48	25.00	1.127	0.127	/
	Level5&6	on1			Back Side	10	167300	836.5	50	0	0.03	0.110	24.42	25.00	1.143	0.126	/
	Level5&6	off			Left Edge	10	167300	836.5	1	1	-0.03	0.022	24.48	25.00	1.127	0.025	/
	Level5&6	off			Left Edge	10	167300	836.5	50	0	-0.14	0.019	24.42	25.00	1.143	0.022	/
	Level5&6	off			Right Edge	10	167300	836.5	1	1	0.13	0.076	24.48	25.00	1.127	0.086	/
	Level5&6	off			Right Edge	10	167300	836.5	50	0	-0.05	0.074	24.42	25.00	1.143	0.085	/
	Level5&6	on1			Bottom Edge	10	167300	836.5	1	1	0.07	0.174	24.48	25.00	1.127	0.196	/
	Level5&6	on1			Bottom Edge	10	167300	836.5	50	0	0.15	0.152	24.42	25.00	1.143	0.174	/
Ant.1	Level5&6	on2	DFT-s-OFDM BPSK	SA	Front Side	10	167300	836.5	1	1	-0.09	0.164	24.48	24.80	1.076	0.177	/
	Level5&6	on2			Front Side	10	167300	836.5	50	28	-0.03	0.146	24.48	24.80	1.076	0.157	/
	Level5&6	on2			Back Side	10	167300	836.5	1	1	0.02	0.288	24.48	24.80	1.076	**0.310**	44#
	Level5&6	on2			Back Side	10	167300	836.5	50	28	-0.15	0.170	24.48	24.80	1.076	0.183	/
	Level5&6	on2			Right Edge	10	167300	836.5	1	1	-0.08	0.119	24.48	24.80	1.076	0.128	/
	Level5&6	on2			Right Edge	10	167300	836.5	50	28	-0.08	0.084	24.48	24.80	1.076	0.090	/
	Level5&6	on2			Top Edge	10	167300	836.5	1	1	-0.10	0.133	24.48	24.80	1.076	0.143	/
	Level5&6	on2			Top Edge	10	167300	836.5	50	28	0.15	0.115	24.48	24.80	1.076	0.124	/
Ant.1	Level5&6	on2	DFT-s-OFDM BPSK	NSA	Front Side	10	167300	836.5	1	53	0.11	0.125	22.52	22.80	1.067	0.133	/
	Level5&6	on2			Front Side	10	167300	836.5	50	0	0.02	0.111	22.43	22.80	1.089	0.121	/
	Level5&6	on2			Back Side	10	167300	836.5	1	53	0.00	0.144	22.52	22.80	1.067	0.154	/
	Level5&6	on2			Back Side	10	167300	836.5	50	0	-0.05	0.129	22.43	22.80	1.089	0.141	/
	Level5&6	on2			Right Edge	10	167300	836.5	1	53	0.05	0.090	22.52	22.80	1.067	0.096	/
	Level5&6	on2			Right Edge	10	167300	836.5	50	0	-0.14	0.064	22.43	22.80	1.089	0.069	/
	Level5&6	on2			Top Edge	10	167300	836.5	1	53	0.11	0.101	22.52	22.80	1.067	0.108	/
	Level5&6	on2			Top Edge	10	167300	836.5	50	0	0.09	0.087	22.43	22.80	1.089	0.095	/

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

11.17 n7 (50MHz Bandwidth)

Ant.enna	Power Reduction	Sensor State	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-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.0	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	1	0.15	0.096	23.25	24.50	1.334	0.128	/
	Level1&2&3	N/A			Left Cheek	0	507000	2535	50	28	-0.11	0.089	22.95	24.50	1.429	0.127	/
	Level1&2&3	N/A			Left Tilt	0	507000	2535	1	1	-0.04	0.082	23.25	24.50	1.334	0.109	/
	Level1&2&3	N/A			Left Tilt	0	507000	2535	50	28	-0.08	0.075	22.95	24.50	1.429	0.107	/
	Level1&2&3	N/A			Right Cheek	0	507000	2535	1	1	-0.02	0.139	23.25	24.50	1.334	0.185	/
	Level1&2&3	N/A			Right Cheek	0	507000	2535	50	28	-0.04	0.131	22.95	24.50	1.429	0.187	/
	Level1&2&3	N/A			Right Tilt	0	507000	2535	1	1	0.04	0.120	23.25	24.50	1.334	0.160	/
	Level1&2&3	N/A			Right Tilt	0	507000	2535	50	28	-0.11	0.116	22.95	24.50	1.429	0.166	/
Ant.1	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	1	-0.14	0.127	18.68	19.00	1.076	0.137	/
	Level1&2&3	N/A			Left Cheek	0	507000	2535	50	0	-0.01	0.119	18.88	19.00	1.028	0.122	/
	Level1&2&3	N/A			Left Tilt	0	507000	2535	1	1	0.02	0.150	18.68	19.00	1.076	0.161	/
	Level1&2&3	N/A			Left Tilt	0	507000	2535	50	0	0.13	0.142	18.88	19.00	1.028	0.146	/
	Level1&2&3	N/A			Right Cheek	0	507000	2535	1	1	-0.15	0.362	18.68	19.00	1.076	0.390	/
	Level1&2&3	N/A			Right Cheek	0	507000	2535	50	0	-0.01	0.334	18.88	19.00	1.028	0.343	/
	Level1&2&3	N/A			Right Tilt	0	507000	2535	1	1	0.14	0.484	18.68	19.00	1.076	**0.521**	45#
	Level1&2&3	N/A			Right Tilt	0	507000	2535	50	0	-0.02	0.406	18.88	19.00	1.028	0.417	/
Ant.1	Level1&2&3	N/A	DFT-s-OFDM BPSK	NSA	Left Cheek	0	507000	2535	1	1	0.11	0.101	16.79	17.70	1.233	0.124	/
	Level1&2&3	N/A			Left Cheek	0	507000	2535	50	0	-0.01	0.094	16.74	17.70	1.247	0.117	/
	Level1&2&3	N/A			Left Tilt	0	507000	2535	1	1	0.03	0.119	16.79	17.70	1.233	0.146	/
	Level1&2&3	N/A			Left Tilt	0	507000	2535	50	0	0.10	0.113	16.74	17.70	1.247	0.141	/
	Level1&2&3	N/A			Right Cheek	0	507000	2535	1	1	0.06	0.287	16.79	17.70	1.233	0.354	/
	Level1&2&3	N/A			Right Cheek	0	507000	2535	50	0	0.14	0.265	16.74	17.70	1.247	0.330	/
	Level1&2&3	N/A			Right Tilt	0	507000	2535	1	1	0.13	0.328	16.79	17.70	1.233	0.404	/
	Level1&2&3	N/A			Right Tilt	0	507000	2535	50	0	-0.14	0.321	16.74	17.70	1.247	0.400	/
Ant.4	Level1&2&3	N/A	DFT-s-OFDM BPSK	NSA	Left Cheek	0	507000	2535	1	1	0.15	0.009	18.57	18.70	1.030	0.009	/
	Level1&2&3	N/A			Left Cheek	0	507000	2535	50	0	-0.06	0.008	18.35	18.70	1.084	0.009	/
	Level1&2&3	N/A			Left Tilt	0	507000	2535	1	1	0.09	0.011	18.57	18.70	1.030	0.011	/
	Level1&2&3	N/A			Left Tilt	0	507000	2535	50	0	0.01	0.011	18.35	18.70	1.084	0.012	/
	Level1&2&3	N/A			Right Cheek	0	507000	2535	1	1	0.13	0.025	18.57	18.70	1.030	0.026	/
	Level1&2&3	N/A			Right Cheek	0	507000	2535	50	0	-0.11	0.026	18.35	18.70	1.084	0.028	/
	Level1&2&3	N/A			Right Tilt	0	507000	2535	1	1	0.12	0.027	18.57	18.70	1.030	0.028	/
	Level1&2&3	N/A			Right Tilt	0	507000	2535	50	0	-0.11	0.031	18.35	18.70	1.084	0.034	/
Body-Worn																	
Ant.0	Level4	on1	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	-0.02	0.072	21.40	21.50	1.023	0.074	/
	Level4	on1			Front Side	15	507000	2535	50	0	0.10	0.083	21.47	21.50	1.007	0.084	/
	Level4	off			Back Side	15	507000	2535	1	1	0.13	0.157	23.25	24.50	1.334	0.209	/

	Level4	off			Back Side	15	507000	2535	50	28	-0.05	0.171	22.95	24.50	1.429	**0.244**	46#
Ant.1	Level4	on2	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	0.02	0.068	20.82	21.00	1.042	0.071	/
	Level4	on2			Front Side	15	507000	2535	50	56	0.15	0.079	20.83	21.00	1.040	0.082	/
	Level4	on2			Back Side	15	507000	2535	1	1	-0.04	0.183	20.82	21.00	1.042	0.191	/
	Level4	on2			Back Side	15	507000	2535	50	56	-0.13	0.201	20.83	21.00	1.040	0.209	/
Ant.1	Level4	on2	DFT-s-OFDM BPSK	NSA	Front Side	15	507000	2535	1	1	-0.14	0.023	16.79	17.20	1.099	0.025	/
	Level4	on2			Front Side	15	507000	2535	50	0	0.01	0.027	16.78	17.20	1.102	0.029	/
	Level4	on2			Back Side	15	507000	2535	1	1	-0.06	0.062	16.79	17.20	1.099	0.068	/
	Level4	on2			Back Side	15	507000	2535	50	0	0.06	0.068	16.78	17.20	1.102	0.075	/
Ant.4	Level4	N/A	DFT-s-OFDM BPSK	NSA	Front Side	15	507000	2535	1	1	0.12	0.021	17.96	18.20	1.057	0.022	/
	Level4	N/A			Front Side	15	507000	2535	50	0	0.00	0.018	17.95	18.20	1.059	0.019	/
	Level4	N/A			Back Side	15	507000	2535	1	1	-0.12	0.113	17.96	18.20	1.057	0.119	/
	Level4	N/A			Back Side	15	507000	2535	50	0	-0.01	0.110	17.95	18.20	1.059	0.117	/
Hotspot																	
Ant.0	Level5&6	on1	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	1	-0.07	0.132	21.40	21.50	1.023	0.135	/
	Level5&6	on1			Front Side	10	507000	2535	50	0	0.12	0.123	21.47	21.50	1.007	0.124	/
	Level5&6	on1			Back Side	10	507000	2535	1	1	-0.06	0.268	21.40	21.50	1.023	0.274	/
	Level5&6	on1			Back Side	10	507000	2535	50	0	-0.15	0.246	21.47	21.50	1.007	0.248	/
	Level5&6	off			Left Edge	10	507000	2535	1	1	0.03	0.075	23.25	24.50	1.334	0.100	/
	Level5&6	off			Left Edge	10	507000	2535	50	28	0.13	0.065	22.95	24.50	1.429	0.093	/
	Level5&6	off			Right Edge	10	507000	2535	1	1	0.15	0.016	23.25	24.50	1.334	0.021	/
	Level5&6	off			Right Edge	10	507000	2535	50	28	0.09	0.011	22.95	24.50	1.429	0.016	/
	Level5&6	on1			Bottom Edge	10	507000	2535	1	1	0.11	0.261	21.40	21.50	1.023	0.267	/
	Level5&6	on1			Bottom Edge	10	507000	2535	50	0	-0.11	0.251	21.47	21.50	1.007	0.253	/
Ant.1	Level5&6	on2	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	1	0.10	0.118	20.82	21.00	1.042	0.123	/
	Level5&6	on2			Front Side	10	507000	2535	50	56	-0.14	0.126	20.83	21.00	1.040	0.131	/
	Level5&6	on2			Back Side	10	507000	2535	1	1	-0.09	0.488	20.82	21.00	1.042	**0.509**	47#
	Level5&6	on2			Back Side	10	507000	2535	50	56	-0.11	0.442	20.83	21.00	1.040	0.460	/
	Level5&6	on2			Right Edge	10	507000	2535	1	1	0.04	0.384	20.82	21.00	1.042	0.400	/
	Level5&6	on2			Right Edge	10	507000	2535	50	56	0.15	0.320	20.83	21.00	1.040	0.333	/
	Level5&6	on2			Top Edge	10	507000	2535	1	1	-0.10	0.326	20.82	21.00	1.042	0.340	/
	Level5&6	on2			Top Edge	10	507000	2535	50	56	0.01	0.322	20.83	21.00	1.040	0.335	/
Ant.1	Level5&6	on2	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	1	1	0.03	0.043	16.79	17.20	1.099	0.047	/
	Level5&6	on2			Front Side	10	507000	2535	50	0	-0.03	0.045	16.78	17.20	1.102	0.050	/
	Level5&6	on2			Back Side	10	507000	2535	1	1	-0.09	0.176	16.79	17.20	1.099	0.194	/
	Level5&6	on2			Back Side	10	507000	2535	50	0	-0.09	0.160	16.78	17.20	1.102	0.176	/
	Level5&6	on2			Right Edge	10	507000	2535	1	1	-0.09	0.139	16.79	17.20	1.099	0.153	/
	Level5&6	on2			Right Edge	10	507000	2535	50	0	0.10	0.115	16.78	17.20	1.102	0.127	/
	Level5&6	on2			Top Edge	10	507000	2535	1	1	0.04	0.118	16.79	17.20	1.099	0.130	/
	Level5&6	on2			Top Edge	10	507000	2535	50	0	0.13	0.116	16.78	17.20	1.102	0.128	/
Ant.4	Level5&6	N/A	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	1	1	-0.03	0.065	17.96	18.20	1.057	0.069	/
	Level5&6	N/A			Front Side	10	507000	2535	50	0	-0.08	0.067	17.95	18.20	1.059	0.071	/
	Level5&6	N/A			Back Side	10	507000	2535	1	1	0.03	0.201	17.96	18.20	1.057	0.212	/

	Level5&6	N/A			Back Side	10	507000	2535	50	0	-0.04	0.194	17.95	18.20	1.059	0.205	/
	Level5&6	N/A			Right Edge	10	507000	2535	1	1	-0.07	0.110	17.96	18.20	1.057	0.116	/
	Level5&6	N/A			Right Edge	10	507000	2535	50	0	-0.15	0.125	17.95	18.20	1.059	0.132	/
	Level5&6	N/A			Top Edge	10	507000	2535	1	1	-0.02	0.170	17.96	18.20	1.057	0.180	/
	Level5&6	N/A			Top Edge	10	507000	2535	50	0	-0.12	0.171	17.95	18.20	1.059	0.181	/
P-sensor																	
Ant.0	Level5&6	off	DFT-s-OFDM BPSK	SA	Front Side	14	507000	2535	1	1	-0.12	0.099	23.25	24.50	1.334	0.132	/
	Level5&6	off			Front Side	14	507000	2535	50	28	0.03	0.095	22.95	24.50	1.429	0.136	/
	Level5&6	off			Back Side	13	507000	2535	1	1	-0.12	0.217	23.25	24.50	1.334	0.289	/
	Level5&6	off			Back Side	13	507000	2535	50	28	-0.11	0.211	22.95	24.50	1.429	0.301	/
	Level5&6	off			Right Edge	7	507000	2535	1	1	0.00	0.105	23.25	24.50	1.334	0.140	/
	Level5&6	off			Right Edge	7	507000	2535	50	28	0.05	0.098	22.95	24.50	1.429	0.140	/
	Level5&6	off			Bottom Edge	18	507000	2535	1	1	0.08	0.130	23.25	24.50	1.334	0.173	/
	Level5&6	off			Bottom Edge	18	507000	2535	50	28	-0.07	0.102	22.95	24.50	1.429	0.146	/
Ant.1	Level5&6	off	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	104	0.06	0.105	22.97	24.00	1.268	0.133	/
	Level5&6	off			Front Side	15	507000	2535	50	28	0.04	0.101	22.95	24.00	1.274	0.129	/
	Level5&6	off			Back Side	22	507000	2535	1	104	0.11	0.119	22.97	24.00	1.268	0.151	/
	Level5&6	off			Back Side	22	507000	2535	50	28	-0.09	0.110	22.95	24.00	1.274	0.140	/
	Level5&6	off			Right Edge	13	507000	2535	1	104	-0.10	0.336	22.97	24.00	1.268	0.426	/
	Level5&6	off			Right Edge	13	507000	2535	50	28	0.11	0.309	22.95	24.00	1.274	0.394	/
	Level5&6	off			Top Edge	22	507000	2535	1	104	0.01	0.129	22.97	24.00	1.268	0.164	/
	Level5&6	off			Top Edge	22	507000	2535	50	28	-0.07	0.116	22.95	24.00	1.274	0.148	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.18 n38 (40MHz Bandwidth)

Ant.enna	Power Reduction	Sensor State	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-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.0	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	53	0.02	0.135	23.53	24.70	1.309	0.177	/
	Level1&2&3	N/A			Left Cheek	0	519000	2595	50	28	-0.07	0.122	23.70	24.70	1.259	0.154	/
	Level1&2&3	N/A			Left Tilt	0	519000	2595	1	53	-0.10	0.120	23.53	24.70	1.309	0.157	/
	Level1&2&3	N/A			Left Tilt	0	519000	2595	50	28	-0.08	0.102	23.70	24.70	1.259	0.128	/
	Level1&2&3	N/A			Right Cheek	0	519000	2595	1	53	-0.09	0.216	23.53	24.70	1.309	0.283	/
	Level1&2&3	N/A			Right Cheek	0	519000	2595	50	28	0.15	0.192	23.70	24.70	1.259	0.242	/
	Level1&2&3	N/A			Right Tilt	0	519000	2595	1	53	-0.04	0.132	23.53	24.70	1.309	0.173	/
	Level1&2&3	N/A			Right Tilt	0	519000	2595	50	28	-0.06	0.119	23.70	24.70	1.259	0.150	/
Ant.1	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	53	0.00	0.155	18.09	18.50	1.099	0.170	/
	Level1&2&3	N/A			Left Cheek	0	519000	2595	50	28	0.05	0.172	18.12	18.50	1.091	0.188	/
	Level1&2&3	N/A			Left Tilt	0	519000	2595	1	53	0.02	0.191	18.09	18.50	1.099	0.210	/
	Level1&2&3	N/A			Left Tilt	0	519000	2595	50	28	0.08	0.197	18.12	18.50	1.091	0.215	/
	Level1&2&3	N/A			Right Cheek	0	519000	2595	1	53	-0.03	0.420	18.09	18.50	1.099	0.462	/
	Level1&2&3	N/A			Right Cheek	0	519000	2595	50	28	-0.05	0.470	18.12	18.50	1.091	0.513	/
	Level1&2&3	N/A			Right Tilt	0	519000	2595	1	53	0.00	0.524	18.09	18.50	1.099	0.576	/
	Level1&2&3	N/A			Right Tilt	0	519000	2595	50	28	0.01	0.564	18.12	18.50	1.091	**0.616**	48#
Body-Worn																	
Ant.0	Level4	on1	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	53	-0.11	0.065	21.69	22.20	1.125	0.073	/
	Level4	on1			Front Side	15	519000	2595	50	28	-0.05	0.063	21.83	22.20	1.089	0.069	/
	Level4	off			Back Side	15	519000	2595	1	53	-0.03	0.193	23.53	24.70	1.309	0.253	/
	Level4	off			Back Side	15	519000	2595	50	28	-0.07	0.187	23.70	24.70	1.259	0.235	/
Ant.1	Level4	on2	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	53	0.09	0.065	20.04	20.50	1.112	0.072	/
	Level4	on2			Front Side	15	519000	2595	50	28	0.15	0.066	20.05	20.50	1.109	0.073	/
	Level4	on2			Back Side	15	519000	2595	1	53	-0.07	0.189	20.04	20.50	1.112	0.210	/
	Level4	on2			Back Side	15	519000	2595	50	28	-0.05	0.276	20.05	20.50	1.109	**0.306**	49#
Hotspot																	
Ant.0	Level5&6	on1	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	53	-0.02	0.129	21.69	22.20	1.125	0.145	/
	Level5&6	on1			Front Side	10	519000	2595	50	28	-0.03	0.149	21.83	22.20	1.089	0.162	/
	Level5&6	on1			Back Side	10	519000	2595	1	53	0.13	0.253	21.69	22.20	1.125	0.285	/
	Level5&6	on1			Back Side	10	519000	2595	50	28	-0.07	0.246	21.83	22.20	1.089	0.268	/
	Level5&6	off			Left Edge	10	519000	2595	1	53	0.07	0.156	23.53	24.70	1.309	0.204	/
	Level5&6	off			Left Edge	10	519000	2595	50	28	-0.10	0.144	23.70	24.70	1.259	0.181	/
	Level5&6	off			Right Edge	10	519000	2595	1	53	0.08	0.028	23.53	24.70	1.309	0.037	/
	Level5&6	off			Right Edge	10	519000	2595	50	28	0.06	0.025	23.70	24.70	1.259	0.031	/
	Level5&6	on1			Bottom Edge	10	519000	2595	1	53	0.14	0.207	21.69	22.20	1.125	0.233	/
	Level5&6	on1			Bottom Edge	10	519000	2595	50	28	-0.15	0.198	21.83	22.20	1.089	0.216	/

Ant.1	Level5&6	on2	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	53	0.11	0.148	20.04	20.50	1.112	0.165	/
	Level5&6	on2			Front Side	10	519000	2595	50	28	0.08	0.161	20.05	20.50	1.109	0.179	/
	Level5&6	on2			Back Side	10	519000	2595	1	53	0.11	0.532	20.04	20.50	1.112	0.591	/
	Level5&6	on2			Back Side	10	519000	2595	50	28	0.13	0.562	20.05	20.50	1.109	**0.623**	50#
	Level5&6	on2			Right Edge	10	519000	2595	1	53	-0.15	0.281	20.04	20.50	1.112	0.312	/
	Level5&6	on2			Right Edge	10	519000	2595	50	28	0.06	0.332	20.05	20.50	1.109	0.368	/
	Level5&6	on2			Top Edge	10	519000	2595	1	53	-0.10	0.351	20.04	20.50	1.112	0.390	/
	Level5&6	on2			Top Edge	10	519000	2595	50	28	0.00	0.349	20.05	20.50	1.109	0.387	/
P-sensor																	
Ant.0	Level5&6	off	DFT-s-OFDM BPSK	SA	Front Side	14	519000	2595	1	53	0.11	0.107	23.53	24.70	1.309	0.140	/
	Level5&6	off			Front Side	14	519000	2595	50	28	-0.05	0.091	23.70	24.70	1.259	0.115	/
	Level5&6	off			Back Side	13	519000	2595	1	53	0.06	0.192	23.53	24.70	1.309	0.251	/
	Level5&6	off			Back Side	13	519000	2595	50	28	0.04	0.168	23.70	24.70	1.259	0.211	/
	Level5&6	off			Right Edge	7	519000	2595	1	53	0.08	0.118	23.53	24.70	1.309	0.154	/
	Level5&6	off			Right Edge	7	519000	2595	50	28	-0.08	0.099	23.70	24.70	1.259	0.125	/
	Level5&6	off			Bottom Edge	18	519000	2595	1	53	0.09	0.088	23.53	24.70	1.309	0.115	/
	Level5&6	off			Bottom Edge	18	519000	2595	50	28	0.06	0.068	23.70	24.70	1.259	0.086	/
Ant.1	Level5&6	off	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	53	-0.10	0.136	23.36	24.50	1.300	0.177	/
	Level5&6	off			Front Side	15	519000	2595	50	28	0.09	0.136	23.08	24.50	1.387	0.189	/
	Level5&6	off			Back Side	22	519000	2595	1	53	0.06	0.193	23.36	24.50	1.300	0.251	/
	Level5&6	off			Back Side	22	519000	2595	50	28	0.07	0.184	23.08	24.50	1.387	0.255	/
	Level5&6	off			Right Edge	13	519000	2595	1	53	0.09	0.427	23.36	24.50	1.300	0.555	/
	Level5&6	off			Right Edge	13	519000	2595	50	28	-0.03	0.421	23.08	24.50	1.387	0.584	/
	Level5&6	off			Top Edge	22	519000	2595	1	53	0.15	0.176	23.36	24.50	1.300	0.229	/
	Level5&6	off			Top Edge	22	519000	2595	50	28	0.05	0.158	23.08	24.50	1.387	0.219	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

Ant.enna	Power Reduction	Sensor State	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.1	Level5&6	on2	DFT-s-OFDM BPSK	SA	Back Side	0	519000	2595	1	1	0.11	0.911	19.75	20.50	1.189	1.083	/
	Level5&6	on2			Back Side	0	519000	2595	50	0	0.09	0.964	19.94	20.50	1.138	1.097	51#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.19 n41 (100MHz Bandwidth)

Ant.enna	Power Reduction	Sensor State	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-power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.0	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	137	0.00	0.110	23.98	24.70	1.180	0.130	/
	Level1&2&3	N/A			Left Cheek	0	518598	2592.99	135	69	-0.13	0.111	24.26	24.70	1.107	0.123	/
	Level1&2&3	N/A			Left Tilt	0	518598	2592.99	1	137	-0.10	0.092	23.98	24.70	1.180	0.109	/
	Level1&2&3	N/A			Left Tilt	0	518598	2592.99	135	69	0.09	0.088	24.26	24.70	1.107	0.097	/
	Level1&2&3	N/A			Right Cheek	0	518598	2592.99	1	137	-0.04	0.172	23.98	24.70	1.180	0.203	/
	Level1&2&3	N/A			Right Cheek	0	518598	2592.99	135	69	0.14	0.171	24.26	24.70	1.107	0.189	/
	Level1&2&3	N/A			Right Tilt	0	518598	2592.99	1	137	-0.01	0.123	23.98	24.70	1.180	0.145	/
	Level1&2&3	N/A			Right Tilt	0	518598	2592.99	135	69	0.11	0.119	24.26	24.70	1.107	0.132	/
Ant.1	Level1&2&3	N/A	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	137	-0.07	0.102	17.17	17.50	1.079	0.110	/
	Level1&2&3	N/A			Left Cheek	0	518598	2592.99	135	69	0.05	0.114	17.08	17.50	1.102	0.126	/
	Level1&2&3	N/A			Left Tilt	0	518598	2592.99	1	137	0.14	0.134	17.17	17.50	1.079	0.145	/
	Level1&2&3	N/A			Left Tilt	0	518598	2592.99	135	69	0.14	0.140	17.08	17.50	1.102	0.154	/
	Level1&2&3	N/A			Right Cheek	0	518598	2592.99	1	137	0.13	0.299	17.17	17.50	1.079	0.323	/
	Level1&2&3	N/A			Right Cheek	0	518598	2592.99	135	69	0.14	0.319	17.08	17.50	1.102	0.351	/
	Level1&2&3	N/A			Right Tilt	0	518598	2592.99	1	137	0.13	0.371	17.17	17.50	1.079	**0.400**	52#
	Level1&2&3	N/A			Right Tilt	0	518598	2592.99	135	69	-0.04	0.361	17.08	17.50	1.102	0.398	/
Body																	
Ant.0	Level4	on1	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	137	0.00	0.074	21.06	21.20	1.033	0.076	/
	Level4	on1			Front Side	15	518598	2592.99	135	69	0.00	0.079	21.19	21.20	1.002	0.079	/
	Level4	off			Back Side	15	518598	2592.99	1	137	-0.11	0.198	23.98	24.70	1.180	0.234	/
	Level4	off			Back Side	15	518598	2592.99	135	69	0.01	0.201	24.26	24.70	1.107	0.222	/
Ant.1	Level4	on2	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	137	-0.04	0.074	19.99	20.00	1.002	0.074	/
	Level4	on2			Front Side	15	518598	2592.99	135	69	0.05	0.084	19.96	20.00	1.009	0.085	/
	Level4	on2			Back Side	15	518598	2592.99	1	137	-0.12	0.195	19.99	20.00	1.002	0.195	/
	Level4	on2			Back Side	15	518598	2592.99	135	69	0.05	0.237	19.96	20.00	1.009	**0.239**	53#
Body																	
Ant.0	Level5&6	on1	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	137	-0.13	0.097	21.06	21.20	1.033	0.100	/
	Level5&6	on1			Front Side	10	518598	2592.99	135	69	-0.15	0.115	21.19	21.20	1.002	0.115	/
	Level5&6	on1			Back Side	10	518598	2592.99	1	137	0.14	0.207	21.06	21.20	1.033	0.214	/
	Level5&6	on1			Back Side	10	518598	2592.99	135	69	0.07	0.203	21.19	21.20	1.002	0.203	/
	Level5&6	off			Left Edge	10	518598	2592.99	1	137	-0.05	0.117	23.98	24.70	1.180	0.138	/
	Level5&6	off			Left Edge	10	518598	2592.99	135	69	-0.10	0.115	24.26	24.70	1.107	0.127	/
	Level5&6	off			Right Edge	10	518598	2592.99	1	137	0.00	0.024	23.98	24.70	1.180	0.028	/
	Level5&6	off			Right Edge	10	518598	2592.99	135	69	-0.04	0.021	24.26	24.70	1.107	0.023	/
	Level5&6	on1			Bottom Edge	10	518598	2592.99	1	137	0.13	0.194	21.06	21.20	1.033	0.200	/
	Level5&6	on1			Bottom Edge	10	518598	2592.99	135	69	0.05	0.188	21.19	21.20	1.002	0.188	/

Ant.1	Level5&6	on2	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	137	-0.12	0.112	19.99	20.00	1.002	0.112	/
	Level5&6	on2			Front Side	10	518598	2592.99	135	69	0.03	0.134	19.96	20.00	1.009	0.135	/
	Level5&6	on2			Back Side	10	518598	2592.99	1	137	-0.14	0.269	19.99	20.00	1.002	0.270	/
	Level5&6	on2			Back Side	10	518598	2592.99	135	69	-0.10	0.329	19.96	20.00	1.009	0.332	/
	Level5&6	on2			Right Edge	10	518598	2592.99	1	137	0.00	0.230	19.99	20.00	1.002	0.231	/
	Level5&6	on2			Right Edge	10	518598	2592.99	135	69	0.00	0.264	19.96	20.00	1.009	0.266	/
	Level5&6	on2			Top Edge	10	518598	2592.99	1	137	0.14	0.309	19.99	20.00	1.002	0.310	/
	Level5&6	on2			Top Edge	10	518598	2592.99	135	69	0.16	0.357	19.96	20.00	1.009	**0.360**	54#
P-sensor																	
Ant.0	Level5&6	off	DFT-s-OFDM BPSK	SA	Front Side	14	518598	2592.99	1	137	-0.14	0.109	23.98	24.70	1.180	0.129	/
	Level5&6	off			Front Side	14	518598	2592.99	135	69	-0.06	0.101	24.26	24.70	1.107	0.112	/
	Level5&6	off			Back Side	13	518598	2592.99	1	137	0.00	0.221	23.98	24.70	1.180	0.261	/
	Level5&6	off			Back Side	13	518598	2592.99	135	69	0.12	0.199	24.26	24.70	1.107	0.220	/
	Level5&6	off			Right Edge	7	518598	2592.99	1	137	0.14	0.121	23.98	24.70	1.180	0.143	/
	Level5&6	off			Right Edge	7	518598	2592.99	135	69	0.02	0.111	24.26	24.70	1.107	0.123	/
	Level5&6	off			Bottom Edge	18	518598	2592.99	1	137	-0.04	0.112	23.98	24.70	1.180	0.132	/
	Level5&6	off			Bottom Edge	18	518598	2592.99	135	69	-0.02	0.089	24.26	24.70	1.107	0.098	/
Ant.1	Level5&6	off	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	137	0.11	0.130	24.16	24.50	1.081	0.141	/
	Level5&6	off			Front Side	15	518598	2592.99	135	69	0.14	0.132	24.26	24.50	1.057	0.139	/
	Level5&6	off			Back Side	22	518598	2592.99	1	137	0.01	0.166	24.16	24.50	1.081	0.180	/
	Level5&6	off			Back Side	22	518598	2592.99	135	69	-0.10	0.185	24.26	24.50	1.057	0.196	/
	Level5&6	off			Right Edge	13	518598	2592.99	1	137	-0.11	0.376	24.16	24.50	1.081	0.407	/
	Level5&6	off			Right Edge	13	518598	2592.99	135	69	0.05	0.401	24.26	24.50	1.057	0.424	/
	Level5&6	off			Top Edge	22	518598	2592.99	1	137	-0.11	0.173	24.16	24.50	1.081	0.187	/
	Level5&6	off			Top Edge	22	518598	2592.99	135	69	0.12	0.167	24.26	24.50	1.057	0.176	/

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

11.20 WIFI 2.4GHz

Mode	Power Reduction	Sensor State	Fre. Band	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	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																	
Ant.2	Level1	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	-0.08	0.078	15.95	16.00	1.012	99.07	1.009	0.080	/
Ant.2	Level1	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	0.13	0.039	15.95	16.00	1.012	99.07	1.009	0.040	/
Ant.2	Level1	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	-0.14	0.046	15.95	16.00	1.012	99.07	1.009	0.047	/
Ant.2	Level1	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	-0.07	0.025	15.95	16.00	1.012	99.07	1.009	0.026	/
Ant.2	Level2	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	-0.09	0.064	13.58	14.00	1.102	99.07	1.009	0.071	/
Ant.2	Level2	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	-0.09	0.031	13.58	14.00	1.102	99.07	1.009	0.034	/
Ant.2	Level2	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	0.02	0.038	13.58	14.00	1.102	99.07	1.009	0.042	/
Ant.2	Level2	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	-0.04	0.017	13.58	14.00	1.102	99.07	1.009	0.019	/
Ant.2	Level3	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	-0.11	0.046	11.64	12.00	1.086	99.07	1.009	0.050	/
Ant.2	Level3	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	0.11	0.028	11.64	12.00	1.086	99.07	1.009	0.031	/
Ant.2	Level3	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	0.12	0.032	11.64	12.00	1.086	99.07	1.009	0.035	/
Ant.2	Level3	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	-0.02	0.017	11.64	12.00	1.086	99.07	1.009	0.019	/
Ant.7	Level1	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	0.01	0.781	15.88	16.00	1.028	99.07	1.009	0.810	/
Ant.7	Level1	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	-0.08	0.572	15.88	16.00	1.028	99.07	1.009	0.594	/
Ant.7	Level1	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	0.09	0.334	15.88	16.00	1.028	99.07	1.009	0.347	/
Ant.7	Level1	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	-0.12	0.437	15.88	16.00	1.028	99.07	1.009	0.453	/
Ant.7	Level1	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	-0.13	0.743	15.73	16.00	1.064	99.07	1.009	0.798	/
Ant.7	Level1	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	0.12	0.717	15.87	16.00	1.030	99.07	1.009	0.746	/
Ant.7	Level2	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	0.03	0.473	13.90	14.00	1.023	99.07	1.009	0.489	/
Ant.7	Level2	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	0.15	0.363	13.90	14.00	1.023	99.07	1.009	0.375	/
Ant.7	Level2	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	-0.08	0.200	13.90	14.00	1.023	99.07	1.009	0.207	/
Ant.7	Level2	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	-0.15	0.242	13.90	14.00	1.023	99.07	1.009	0.250	/
Ant.7	Level3	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	0.05	0.344	11.92	12.00	1.019	99.07	1.009	0.354	/
Ant.7	Level3	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	0.13	0.275	11.92	12.00	1.019	99.07	1.009	0.283	/
Ant.7	Level3	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	-0.15	0.142	11.92	12.00	1.019	99.07	1.009	0.146	/
Ant.7	Level3	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	-0.02	0.181	11.92	12.00	1.019	99.07	1.009	0.186	/
Ant.2&7	Level1	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	-0.04	0.821	18.93	19.00	1.016	99.07	1.009	**0.842**	55#
Ant.2&7	Level1	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	-0.11	0.614	18.93	19.00	1.016	99.07	1.009	0.630	/
Ant.2&7	Level1	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	0.02	0.406	18.93	19.00	1.016	99.07	1.009	0.416	/
Ant.2&7	Level1	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	-0.07	0.508	18.93	19.00	1.016	99.07	1.009	0.521	/
Ant.2&7	Level1	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	-0.05	0.784	18.93	19.00	1.016	99.07	1.009	0.804	/
Ant.2&7	Level1	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	0.09	0.792	18.93	19.00	1.016	99.07	1.009	0.812	/
Ant.2&7	Level2	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	-0.04	0.495	16.55	17.00	1.109	99.07	1.009	0.554	/
Ant.2&7	Level2	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	-0.09	0.384	16.55	17.00	1.109	99.07	1.009	0.430	/
Ant.2&7	Level2	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	0.06	0.177	16.55	17.00	1.109	99.07	1.009	0.198	/
Ant.2&7	Level2	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	-0.14	0.218	16.55	17.00	1.109	99.07	1.009	0.244	/

Ant.2&7	Level3	N/A	2.4G	802.11 b	Left Cheek	0	6	2437	0.00	0.383	14.79	15.00	1.050	99.07	1.009	0.406	/
Ant.2&7	Level3	N/A	2.4G	802.11 b	Left Tilt	0	6	2437	-0.08	0.278	14.79	15.00	1.050	99.07	1.009	0.295	/
Ant.2&7	Level3	N/A	2.4G	802.11 b	Right Cheek	0	6	2437	0.02	0.125	14.79	15.00	1.050	99.07	1.009	0.132	/
Ant.2&7	Level3	N/A	2.4G	802.11 b	Right Tilt	0	6	2437	0.06	0.166	14.79	15.00	1.050	99.07	1.009	0.176	/
Body-worn																	
Ant.2	Level4	N/A	2.4G	802.11 b	Front Side	15	6	2437	-0.08	0.032	15.95	16.00	1.012	99.07	1.009	0.033	/
Ant.2	Level4	N/A	2.4G	802.11 b	Back Side	15	6	2437	0.12	0.040	15.95	16.00	1.012	99.07	1.009	0.041	/
Ant.7	Level4	off	2.4G	802.11 b	Front Side	15	6	2437	-0.09	0.060	15.88	16.00	1.028	99.07	1.009	0.062	/
Ant.7	Level4	on2	2.4G	802.11 b	Back Side	15	6	2437	-0.11	0.070	15.88	16.00	1.028	99.07	1.009	0.073	/
Ant.2&7	Level4	off	2.4G	802.11 b	Front Side	15	6	2437	-0.04	0.089	18.93	19.00	1.016	99.07	1.009	0.091	/
Ant.2&7	Level4	on2	2.4G	802.11 b	Back Side	15	6	2437	-0.04	0.145	18.93	19.00	1.016	99.07	1.009	**0.149**	56#
Hotspot																	
Ant.2	Level4	N/A	2.4G	802.11 b	Front Side	10	6	2437	0.05	0.031	15.95	16.00	1.012	99.07	1.009	0.032	/
Ant.2	Level4	N/A	2.4G	802.11 b	Back Side	10	6	2437	0.09	0.087	15.95	16.00	1.012	99.07	1.009	0.089	/
Ant.2	Level4	N/A	2.4G	802.11 b	Left Edge	10	6	2437	-0.13	0.037	15.95	16.00	1.012	99.07	1.009	0.038	/
Ant.2	Level4	N/A	2.4G	802.11 b	Top Edge	10	6	2437	-0.11	0.024	15.95	16.00	1.012	99.07	1.009	0.025	/
Ant.7	Level4	off	2.4G	802.11 b	Front Side	10	6	2437	0.13	0.115	15.88	16.00	1.028	99.07	1.009	0.119	/
Ant.7	Level4	on2	2.4G	802.11 b	Back Side	10	6	2437	0.08	0.153	15.88	16.00	1.028	99.07	1.009	0.159	/
Ant.7	Level4	on2	2.4G	802.11 b	Left Edge	10	6	2437	0.01	0.078	15.88	16.00	1.028	99.07	1.009	0.081	/
Ant.7	Level4	on2	2.4G	802.11 b	Top Edge	10	6	2437	0.01	0.167	15.88	16.00	1.028	99.07	1.009	0.173	/
Ant.2&7	Level4	off	2.4G	802.11 b	Front Side	10	6	2437	0.10	0.138	18.93	19.00	1.016	99.07	1.009	0.142	/
Ant.2&7	Level4	on2	2.4G	802.11 b	Back Side	10	6	2437	-0.04	0.255	18.93	19.00	1.016	99.07	1.009	**0.262**	57#
Ant.2&7	Level4	on2	2.4G	802.11 b	Left Edge	10	6	2437	0.11	0.138	18.93	19.00	1.016	99.07	1.009	0.142	/
Ant.2&7	Level4	on2	2.4G	802.11 b	Top Edge	10	6	2437	-0.03	0.127	18.93	19.00	1.016	99.07	1.009	0.130	/

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

11.21 WIFI 5GHz

Fre. Band	Power Reduction	Sensor State	Fre. Band	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	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Hea																	
Ant.2	Level1	N/A	5.3G	802.11 n40	Left Cheek	0	62	5310	-0.09	0.699	15.20	15.50	1.072	91.04	1.098	0.823	/
Ant.2	Level1	N/A	5.3G	802.11 n40	Left Tilt	0	62	5310	0.06	0.618	15.20	15.50	1.072	91.04	1.098	0.727	/
Ant.2	Level1	N/A	5.3G	802.11 n40	Right Cheek	0	62	5310	-0.02	0.193	15.20	15.50	1.072	91.04	1.098	0.227	/
Ant.2	Level1	N/A	5.3G	802.11 n40	Right Tilt	0	62	5310	-0.06	0.190	15.20	15.50	1.072	91.04	1.098	0.224	/
Ant.2	Level1	N/A	5.3G	802.11 n40	Left Cheek	0	54	5270	0.05	0.665	15.13	15.50	1.089	91.04	1.098	0.795	/
Ant.2	Level2	N/A	5.3G	802.11 ac80	Left Cheek	0	58	5290	-0.04	0.303	11.94	12.00	1.014	83.79	1.193	0.367	/
Ant.2	Level2	N/A	5.3G	802.11 ac80	Left Tilt	0	58	5290	0.15	0.261	11.94	12.00	1.014	83.79	1.193	0.316	/
Ant.2	Level2	N/A	5.3G	802.11 ac80	Right Cheek	0	58	5290	0.04	0.087	11.94	12.00	1.014	83.79	1.193	0.105	/
Ant.2	Level2	N/A	5.3G	802.11 ac80	Right Tilt	0	58	5290	-0.08	0.090	11.94	12.00	1.014	83.79	1.193	0.109	/
Ant.2	Level3	N/A	5.3G	802.11 ac80	Left Cheek	0	58	5290	0.10	0.253	10.98	11.00	1.005	83.79	1.193	0.303	/
Ant.2	Level3	N/A	5.3G	802.11 ac80	Left Tilt	0	58	5290	0.15	0.213	10.98	11.00	1.005	83.79	1.193	0.255	/
Ant.2	Level3	N/A	5.3G	802.11 ac80	Right Cheek	0	58	5290	0.14	0.070	10.98	11.00	1.005	83.79	1.193	0.084	/
Ant.2	Level3	N/A	5.3G	802.11 ac80	Right Tilt	0	58	5290	0.10	0.068	10.98	11.00	1.005	83.79	1.193	0.082	/
Ant.7	Level1	N/A	5.3G	802.11 n40	Left Cheek	0	62	5310	-0.15	0.205	14.53	15.50	1.250	91.04	1.098	0.282	/
Ant.7	Level1	N/A	5.3G	802.11 n40	Left Tilt	0	62	5310	0.08	0.090	14.53	15.50	1.250	91.04	1.098	0.124	/
Ant.7	Level1	N/A	5.3G	802.11 n40	Right Cheek	0	62	5310	-0.02	0.059	14.53	15.50	1.250	91.04	1.098	0.081	/
Ant.7	Level1	N/A	5.3G	802.11 n40	Right Tilt	0	62	5310	0.05	0.045	14.53	15.50	1.250	91.04	1.098	0.062	/
Ant.7	Level2	N/A	5.3G	802.11 ac80	Left Cheek	0	58	5290	0.12	0.094	11.03	12.00	1.250	83.79	1.193	0.140	/
Ant.7	Level2	N/A	5.3G	802.11 ac80	Left Tilt	0	58	5290	-0.02	0.050	11.03	12.00	1.250	83.79	1.193	0.075	/
Ant.7	Level2	N/A	5.3G	802.11 ac80	Right Cheek	0	58	5290	0.09	0.039	11.03	12.00	1.250	83.79	1.193	0.058	/
Ant.7	Level2	N/A	5.3G	802.11 ac80	Right Tilt	0	58	5290	0.07	0.060	11.03	12.00	1.250	83.79	1.193	0.090	/
Ant.2&7	Level1	N/A	5.3G	802.11 n40	Left Cheek	0	62	5310	-0.08	0.787	17.89	18.50	1.151	91.04	1.098	**0.995**	58#
Ant.2&7	Level1	N/A	5.3G	802.11 n40	Left Tilt	0	62	5310	-0.05	0.629	17.89	18.50	1.151	91.04	1.098	0.795	/
Ant.2&7	Level1	N/A	5.3G	802.11 n40	Right Cheek	0	62	5310	0.14	0.218	17.89	18.50	1.151	91.04	1.098	0.276	/
Ant.2&7	Level1	N/A	5.3G	802.11 n40	Right Tilt	0	62	5310	0.01	0.220	17.89	18.50	1.151	91.04	1.098	0.278	/
Ant.2&7	Level1	N/A	5.3G	802.11 n40	Left Cheek	0	54	5270	-0.13	0.752	17.83	18.50	1.167	91.04	1.098	0.964	/
Ant.2&7	Level2	N/A	5.3G	802.11 ac80	Left Cheek	0	58	5290	0.10	0.366	14.52	15.00	1.117	83.79	1.193	0.488	/
Ant.2&7	Level2	N/A	5.3G	802.11 ac80	Left Tilt	0	58	5290	0.10	0.315	14.52	15.00	1.117	83.79	1.193	0.420	/
Ant.2&7	Level2	N/A	5.3G	802.11 ac80	Right Cheek	0	58	5290	0.15	0.100	14.52	15.00	1.117	83.79	1.193	0.133	/
Ant.2&7	Level2	N/A	5.3G	802.11 ac80	Right Tilt	0	58	5290	-0.05	0.103	14.52	15.00	1.117	83.79	1.193	0.137	/
Ant.2	Level1	N/A	5.6G	802.11 ac80	Left Cheek	0	122	5610	0.10	0.670	15.46	15.50	1.009	83.79	1.193	0.807	/
Ant.2	Level1	N/A	5.6G	802.11 ac80	Left Tilt	0	122	5610	0.05	0.547	15.46	15.50	1.009	83.79	1.193	0.659	/
Ant.2	Level1	N/A	5.6G	802.11 ac80	Right Cheek	0	122	5610	-0.08	0.149	15.46	15.50	1.009	83.79	1.193	0.179	/
Ant.2	Level1	N/A	5.6G	802.11 ac80	Right Tilt	0	122	5610	-0.14	0.166	15.46	15.50	1.009	83.79	1.193	0.200	/
Ant.2	Level1	N/A	5.6G	802.11 ac80	Left Cheek	0	106	5530	0.06	0.688	15.37	15.50	1.030	83.79	1.193	0.846	/
Ant.2	Level2	N/A	5.6G	802.11 ac80	Left Cheek	0	122	5610	0.02	0.324	11.78	12.00	1.052	83.79	1.193	0.407	/

Ant.2	Level2	N/A	5.6G	802.11 ac80	Left Tilt	0	122	5610	0.08	0.299	11.78	12.00	1.052	83.79	1.193	0.375	/
Ant.2	Level2	N/A	5.6G	802.11 ac80	Right Cheek	0	122	5610	0.15	0.070	11.78	12.00	1.052	83.79	1.193	0.088	/
Ant.2	Level2	N/A	5.6G	802.11 ac80	Right Tilt	0	122	5610	-0.01	0.089	11.78	12.00	1.052	83.79	1.193	0.112	/
Ant.2	Level3	N/A	5.6G	802.11 ac80	Left Cheek	0	122	5610	-0.15	0.266	10.69	11.00	1.074	83.79	1.193	0.341	/
Ant.2	Level3	N/A	5.6G	802.11 ac80	Left Tilt	0	122	5610	0.00	0.248	10.69	11.00	1.074	83.79	1.193	0.318	/
Ant.2	Level3	N/A	5.6G	802.11 ac80	Right Cheek	0	122	5610	0.03	0.076	10.69	11.00	1.074	83.79	1.193	0.097	/
Ant.2	Level3	N/A	5.6G	802.11 ac80	Right Tilt	0	122	5610	-0.03	0.074	10.69	11.00	1.074	83.79	1.193	0.095	/
Ant.7	Level1	N/A	5.6G	802.11 ac80	Left Cheek	0	122	5610	-0.15	0.146	14.65	15.50	1.216	83.79	1.193	0.212	/
Ant.7	Level1	N/A	5.6G	802.11 ac80	Left Tilt	0	122	5610	-0.01	0.048	14.65	15.50	1.216	83.79	1.193	0.070	/
Ant.7	Level1	N/A	5.6G	802.11 ac80	Right Cheek	0	122	5610	-0.15	0.042	14.65	15.50	1.216	83.79	1.193	0.061	/
Ant.7	Level1	N/A	5.6G	802.11 ac80	Right Tilt	0	122	5610	0.06	0.039	14.65	15.50	1.216	83.79	1.193	0.057	/
Ant.7	Level2	N/A	5.6G	802.11 ac80	Left Cheek	0	122	5610	-0.03	0.082	11.25	12.00	1.189	83.79	1.193	0.116	/
Ant.7	Level2	N/A	5.6G	802.11 ac80	Left Tilt	0	122	5610	-0.02	0.019	11.25	12.00	1.189	83.79	1.193	0.027	/
Ant.7	Level2	N/A	5.6G	802.11 ac80	Right Cheek	0	122	5610	-0.07	0.034	11.25	12.00	1.189	83.79	1.193	0.048	/
Ant.7	Level2	N/A	5.6G	802.11 ac80	Right Tilt	0	122	5610	-0.03	0.011	11.25	12.00	1.189	83.79	1.193	0.016	/
Ant.2&7	Level1	N/A	5.6G	802.11 ac80	Left Cheek	0	122	5610	0.07	0.677	17.89	18.50	1.151	83.79	1.193	0.930	/
Ant.2&7	Level1	N/A	5.6G	802.11 ac80	Left Tilt	0	122	5610	-0.15	0.579	17.89	18.50	1.151	83.79	1.193	0.795	/
Ant.2&7	Level1	N/A	5.6G	802.11 ac80	Right Cheek	0	122	5610	0.05	0.158	17.89	18.50	1.151	83.79	1.193	0.217	/
Ant.2&7	Level1	N/A	5.6G	802.11 ac80	Right Tilt	0	122	5610	-0.05	0.178	17.89	18.50	1.151	83.79	1.193	0.244	/
Ant.2&7	Level1	N/A	5.6G	802.11 ac80	Left Cheek	0	106	5530	-0.08	0.741	17.81	18.50	1.172	83.79	1.193	**1.037**	59#
Ant.2&7	Level2	N/A	5.6G	802.11 ac80	Left Cheek	0	122	5610	0.07	0.357	14.51	15.00	1.119	83.79	1.193	0.477	/
Ant.2&7	Level2	N/A	5.6G	802.11 ac80	Left Tilt	0	122	5610	-0.06	0.336	14.51	15.00	1.119	83.79	1.193	0.449	/
Ant.2&7	Level2	N/A	5.6G	802.11 ac80	Right Cheek	0	122	5610	0.02	0.085	14.51	15.00	1.119	83.79	1.193	0.114	/
Ant.2&7	Level2	N/A	5.6G	802.11 ac80	Right Tilt	0	122	5610	0.11	0.105	14.51	15.00	1.119	83.79	1.193	0.140	/
Ant.2	Level1	N/A	5.8G	802.11 ac80	Left Cheek	0	155	5775	0.10	0.675	15.42	16.00	1.143	83.79	1.193	0.920	/
Ant.2	Level1	N/A	5.8G	802.11 ac80	Left Tilt	0	155	5775	0.07	0.613	15.42	16.00	1.143	83.79	1.193	0.836	/
Ant.2	Level1	N/A	5.8G	802.11 ac80	Right Cheek	0	155	5775	0.09	0.159	15.42	16.00	1.143	83.79	1.193	0.216	/
Ant.2	Level1	N/A	5.8G	802.11 ac80	Right Tilt	0	155	5775	-0.01	0.215	15.42	16.00	1.143	83.79	1.193	0.294	/
Ant.2	Level2&3	N/A	5.8G	802.11 ac80	Left Cheek	0	155	5775	-0.03	0.215	11.45	12.00	1.135	83.79	1.193	0.291	/
Ant.2	Level2&3	N/A	5.8G	802.11 ac80	Left Tilt	0	155	5775	-0.02	0.205	11.45	12.00	1.135	83.79	1.193	0.278	/
Ant.2	Level2&3	N/A	5.8G	802.11 ac80	Right Cheek	0	155	5775	0.06	0.061	11.45	12.00	1.135	83.79	1.193	0.083	/
Ant.2	Level2&3	N/A	5.8G	802.11 ac80	Right Tilt	0	155	5775	0.02	0.078	11.45	12.00	1.135	83.79	1.193	0.106	/
Ant.7	Level1	N/A	5.8G	802.11 ac80	Left Cheek	0	155	5775	-0.13	0.225	15.34	16.00	1.164	83.79	1.193	0.313	/
Ant.7	Level1	N/A	5.8G	802.11 ac80	Left Tilt	0	155	5775	-0.09	0.061	15.34	16.00	1.164	83.79	1.193	0.085	/
Ant.7	Level1	N/A	5.8G	802.11 ac80	Right Cheek	0	155	5775	0.11	0.064	15.34	16.00	1.164	83.79	1.193	0.090	/
Ant.7	Level1	N/A	5.8G	802.11 ac80	Right Tilt	0	155	5775	0.12	0.040	15.34	16.00	1.164	83.79	1.193	0.056	/
Ant.7	Level2	N/A	5.8G	802.11 ac80	Left Cheek	0	155	5775	-0.02	0.056	11.40	12.00	1.148	83.79	1.193	0.077	/
Ant.7	Level2	N/A	5.8G	802.11 ac80	Left Tilt	0	155	5775	0.03	0.031	11.40	12.00	1.148	83.79	1.193	0.042	/
Ant.7	Level2	N/A	5.8G	802.11 ac80	Right Cheek	0	155	5775	0.10	0.042	11.40	12.00	1.148	83.79	1.193	0.058	/
Ant.7	Level2	N/A	5.8G	802.11 ac80	Right Tilt	0	155	5775	0.15	0.029	11.40	12.00	1.148	83.79	1.193	0.040	/
Ant.2&7	Level1	N/A	5.8G	802.11 ac80	Left Cheek	0	155	5775	-0.10	0.803	18.39	19.00	1.151	83.79	1.193	1.103	/
Ant.2&7	Level1	N/A	5.8G	802.11 ac80	Left Tilt	0	155	5775	0.10	0.819	18.39	19.00	1.151	83.79	1.193	**1.125**	60#
Ant.2&7	Level1	N/A	5.8G	802.11 ac80	Right Cheek	0	155	5775	0.09	0.264	18.39	19.00	1.151	83.79	1.193	0.363	/

Ant.2&7	Level1	N/A	5.8G	802.11 ac80	Right Tilt	0	155	5775	-0.09	0.347	18.39	19.00	1.151	83.79	1.193	0.477	/
Ant.2&7	Level2	N/A	5.8G	802.11 ac80	Left Cheek	0	155	5775	0.02	0.279	14.34	15.00	1.164	83.79	1.193	0.388	/
Ant.2&7	Level2	N/A	5.8G	802.11 ac80	Left Tilt	0	155	5775	0.02	0.297	14.34	15.00	1.164	83.79	1.193	0.413	/
Ant.2&7	Level2	N/A	5.8G	802.11 ac80	Right Cheek	0	155	5775	0.09	0.088	14.34	15.00	1.164	83.79	1.193	0.122	/
Ant.2&7	Level2	N/A	5.8G	802.11 ac80	Right Tilt	0	155	5775	0.01	0.107	14.34	15.00	1.164	83.79	1.193	0.149	/
Body-worn																	
Ant.2	Level4	N/A	5.3G	802.11 n40	Front Side	15	62	5310	0.06	0.076	15.20	15.50	1.072	91.04	1.098	0.089	/
Ant.2	Level4	N/A	5.3G	802.11 n40	Back Side	15	62	5310	-0.11	0.063	15.20	15.50	1.072	91.04	1.098	0.074	/
Ant.7	Level4	N/A	5.3G	802.11 n40	Front Side	15	62	5310	0.14	0.032	15.51	16.50	1.256	91.04	1.098	0.044	/
Ant.7	Level4	N/A	5.3G	802.11 n40	Back Side	15	62	5310	0.13	0.247	15.51	16.50	1.256	91.04	1.098	0.341	/
Ant.2&7	Level4	N/A	5.3G	802.11 n40	Front Side	15	62	5310	0.09	0.086	18.90	19.50	1.148	91.04	1.098	0.108	/
Ant.2&7	Level4	N/A	5.3G	802.11 n40	Back Side	15	62	5310	0.06	0.352	18.90	19.50	1.148	91.04	1.098	**0.444**	61#
Ant.2	Level4	N/A	5.6G	802.11 ac80	Front Side	15	122	5610	0.06	0.105	15.46	15.50	1.009	83.79	1.193	0.126	/
Ant.2	Level4	N/A	5.6G	802.11 ac80	Back Side	15	122	5610	0.11	0.192	15.46	15.50	1.009	83.79	1.193	0.231	/
Ant.7	Level4	off	5.6G	802.11 ac80	Front Side	15	122	5610	-0.05	0.034	16.05	16.50	1.109	83.79	1.193	0.045	/
Ant.7	Level4	on2	5.6G	802.11 ac80	Back Side	15	122	5610	0.02	0.283	16.05	16.50	1.109	83.79	1.193	0.375	/
Ant.2&7	Level4	on2	5.6G	802.11 ac80	Front Side	15	122	5610	-0.12	0.125	19.28	19.50	1.052	83.79	1.193	0.157	/
Ant.2&7	Level4	on2	5.6G	802.11 ac80	Back Side	15	122	5610	-0.12	0.334	19.28	19.50	1.052	83.79	1.193	**0.419**	62#
Ant.2	Level4	on2	5.8G	802.11 ac80	Front Side	15	155	5775	0.01	0.107	15.34	16.00	1.164	83.79	1.193	0.149	/
Ant.2	Level4	on2	5.8G	802.11 ac80	Back Side	15	155	5775	0.06	0.241	15.34	16.00	1.164	83.79	1.193	0.335	/
Ant.7	Level4	off	5.8G	802.11 ac80	Front Side	15	155	5775	0.08	0.048	19.30	19.50	1.047	83.79	1.193	0.060	/
Ant.7	Level4	on2	5.8G	802.11 ac80	Back Side	15	155	5775	-0.03	0.387	15.34	16.00	1.164	83.79	1.193	0.538	/
Ant.2&7	Level4	on2	5.8G	802.11 ac80	Front Side	15	155	5775	-0.05	0.113	18.39	19.00	1.151	83.79	1.193	0.155	/
Ant.2&7	Level4	on2	5.8G	802.11 ac80	Back Side	15	155	5775	-0.04	0.403	18.39	19.00	1.151	83.79	1.193	**0.553**	63#
Hotspot																	
Ant.2	Level4	N/A	5.2G	802.11 n40	Front Side	10	38	5190	0.06	0.170	15.26	15.50	1.057	91.04	1.098	0.197	/
Ant.2	Level4	N/A	5.2G	802.11 n40	Back Side	10	38	5190	-0.12	0.161	15.26	15.50	1.057	91.04	1.098	0.187	/
Ant.2	Level4	N/A	5.2G	802.11 n40	Left Edge	10	38	5190	-0.08	0.318	15.26	15.50	1.057	91.04	1.098	0.369	/
Ant.2	Level4	N/A	5.2G	802.11 n40	Top Edge	10	38	5190	-0.09	0.224	15.26	15.50	1.057	91.04	1.098	0.260	/
Ant.2	Level5	N/A	5.2G	802.11 n40	Front Side	10	38	5190	0.10	0.078	10.99	12.00	1.262	91.04	1.098	0.108	/
Ant.2	Level5	N/A	5.2G	802.11 n40	Back Side	10	38	5190	0.11	0.074	10.99	12.00	1.262	91.04	1.098	0.102	/
Ant.2	Level5	N/A	5.2G	802.11 n40	Left Edge	10	38	5190	0.13	0.146	10.99	12.00	1.262	91.04	1.098	0.202	/
Ant.2	Level5	N/A	5.2G	802.11 n40	Top Edge	10	38	5190	-0.08	0.103	10.99	12.00	1.262	91.04	1.098	0.142	/
Ant.2	Level6	N/A	5.2G	802.11 n40	Front Side	10	38	5190	-0.04	0.220	16.44	16.50	1.014	91.04	1.098	0.245	/
Ant.2	Level6	N/A	5.2G	802.11 n40	Back Side	10	38	5190	-0.08	0.208	16.44	16.50	1.014	91.04	1.098	0.231	/
Ant.2	Level6	N/A	5.2G	802.11 n40	Left Edge	10	38	5190	-0.03	0.412	16.44	16.50	1.014	91.04	1.098	0.458	/
Ant.2	Level6	N/A	5.2G	802.11 n40	Top Edge	10	38	5190	-0.15	0.201	16.44	16.50	1.014	91.04	1.098	0.223	/
Ant.7	Level4	off	5.2G	802.11 n40	Front Side	10	38	5190	0.14	0.073	16.01	16.50	1.119	91.04	1.098	0.090	/
Ant.7	Level4	N/A	5.2G	802.11 n40	Back Side	10	38	5190	-0.06	0.720	15.01	15.50	1.119	91.04	1.098	0.885	/
Ant.7	Level4	N/A	5.2G	802.11 n40	Left Edge	10	38	5190	0.13	0.676	15.01	15.50	1.119	91.04	1.098	0.831	/
Ant.7	Level4	N/A	5.2G	802.11 n40	Top Edge	10	38	5190	-0.14	0.085	15.01	15.50	1.119	91.04	1.098	0.105	/
Ant.7	Level5	off	5.2G	802.11 n40	Front Side	10	38	5190	0.14	0.073	16.01	16.50	1.119	91.04	1.098	0.090	/
Ant.7	Level5	N/A	5.2G	802.11 n40	Back Side	10	38	5190	-0.09	0.263	11.44	12.00	1.138	91.04	1.098	0.328	/

Ant.7	Level5	N/A	5.2G	802.11 n40	Left Edge	10	38	5190	0.07	0.247	11.44	12.00	1.138	91.04	1.098	0.308	/
Ant.7	Level5	N/A	5.2G	802.11 n40	Top Edge	10	38	5190	0.03	0.031	11.44	12.00	1.138	91.04	1.098	0.039	/
Ant.2&7	Level4	off	5.2G	802.11 n40	Front Side	10	38	5190	0.05	0.234	19.01	19.50	1.119	91.04	1.098	0.288	/
Ant.2&7	Level4	on2	5.2G	802.11 n40	Back Side	10	38	5190	0.12	0.809	17.89	18.50	1.151	91.04	1.098	1.023	/
Ant.2&7	Level4	on2	5.2G	802.11 n40	Left Edge	10	38	5190	0.09	0.650	17.89	18.50	1.151	91.04	1.098	0.822	/
Ant.2&7	Level4	on2	5.2G	802.11 n40	Top Edge	10	38	5190	-0.12	0.312	17.89	18.50	1.151	91.04	1.098	0.394	/
Ant.2&7	Level4	on2	5.2G	802.11 n40	Back Side	10	46	5230	0.15	0.835	17.89	18.50	1.151	91.04	1.098	**1.055**	64#
Ant.2&7	Level5	off	5.2G	802.11 n40	Front Side	10	38	5190	0.05	0.234	19.01	19.50	1.119	91.04	1.098	0.288	/
Ant.2&7	Level5	on2	5.2G	802.11 n40	Back Side	10	38	5190	0.04	0.376	14.17	15.00	1.211	91.04	1.098	0.500	/
Ant.2&7	Level5	on2	5.2G	802.11 n40	Left Edge	10	38	5190	-0.12	0.341	14.17	15.00	1.211	91.04	1.098	0.453	/
Ant.2&7	Level5	on2	5.2G	802.11 n40	Top Edge	10	38	5190	-0.05	0.143	14.17	15.00	1.211	91.04	1.098	0.191	/
Ant.2&7	Level5	on2	5.2G	802.11 n40	Back Side	10	46	5230	0.11	0.383	14.17	15.00	1.211	91.04	1.098	**0.510**	64#
Ant.2	Level4	on2	5.8G	802.11 ac80	Front Side	10	155	5775	-0.03	0.160	15.42	16.00	1.143	83.79	1.193	0.218	/
Ant.2	Level4	on2	5.8G	802.11 ac80	Back Side	10	155	5775	0.12	0.391	15.42	16.00	1.143	83.79	1.193	0.533	/
Ant.2	Level4	on2	5.8G	802.11 ac80	Left Edge	10	155	5775	-0.01	0.427	15.42	16.00	1.143	83.79	1.193	0.582	/
Ant.2	Level4	on2	5.8G	802.11 ac80	Top Edge	10	155	5775	-0.09	0.445	15.42	16.00	1.143	83.79	1.193	0.607	/
Ant.2	Level5	on2	5.8G	802.11 ac80	Front Side	10	155	5775	0.12	0.082	12.32	13.00	1.169	83.79	1.193	0.114	/
Ant.2	Level5	on2	5.8G	802.11 ac80	Back Side	10	155	5775	-0.06	0.199	12.32	13.00	1.169	83.79	1.193	0.278	/
Ant.2	Level5	on2	5.8G	802.11 ac80	Left Edge	10	155	5775	-0.10	0.218	12.32	13.00	1.169	83.79	1.193	0.304	/
Ant.2	Level5	on2	5.8G	802.11 ac80	Top Edge	10	155	5775	0.05	0.227	12.32	13.00	1.169	83.79	1.193	0.317	/
Ant.2	Level6	on2	5.8G	802.11 ac80	Front Side	10	155	5775	0.08	0.092	12.83	13.50	1.167	83.79	1.193	0.128	/
Ant.2	Level6	on2	5.8G	802.11 ac80	Back Side	10	155	5775	0.08	0.224	12.83	13.50	1.167	83.79	1.193	0.312	/
Ant.2	Level6	on2	5.8G	802.11 ac80	Left Edge	10	155	5775	-0.03	0.246	12.83	13.50	1.167	83.79	1.193	0.343	/
Ant.2	Level6	on2	5.8G	802.11 ac80	Top Edge	10	155	5775	-0.01	0.161	12.83	13.50	1.167	83.79	1.193	0.224	/
Ant.7	Level4	off	5.8G	802.11 ac80	Front Side	10	155	5775	-0.12	0.058	16.01	16.50	1.119	83.79	1.193	0.077	/
Ant.7	Level4	on2	5.8G	802.11 ac80	Back Side	10	155	5775	-0.02	0.539	15.34	16.00	1.164	83.79	1.193	0.749	/
Ant.7	Level4	on2	5.8G	802.11 ac80	Left Edge	10	155	5775	0.05	0.633	15.34	16.00	1.164	83.79	1.193	0.879	/
Ant.7	Level4	on2	5.8G	802.11 ac80	Top Edge	10	155	5775	-0.05	0.079	15.34	16.00	1.164	83.79	1.193	0.110	/
Ant.7	Level5	off	5.8G	802.11 ac80	Front Side	10	155	5775	-0.12	0.058	16.01	16.50	1.119	83.79	1.193	0.077	/
Ant.7	Level5	on2	5.8G	802.11 ac80	Back Side	10	155	5775	-0.14	0.273	12.40	13.00	1.148	83.79	1.193	0.374	/
Ant.7	Level5	on2	5.8G	802.11 ac80	Left Edge	10	155	5775	0.12	0.321	12.40	13.00	1.148	83.79	1.193	0.440	/
Ant.7	Level5	on2	5.8G	802.11 ac80	Top Edge	10	155	5775	0.06	0.043	12.40	13.00	1.148	83.79	1.193	0.059	/
Ant.2&7	Level4	off	5.8G	802.11 ac80	Front Side	10	155	5775	0.01	0.173	18.39	19.00	1.151	83.79	1.193	0.238	/
Ant.2&7	Level4	on2	5.8G	802.11 ac80	Back Side	10	155	5775	-0.05	0.552	18.39	19.00	1.151	83.79	1.193	0.758	/
Ant.2&7	Level4	on2	5.8G	802.11 ac80	Left Edge	10	155	5775	0.15	0.678	18.39	19.00	1.151	83.79	1.193	**0.931**	65#
Ant.2&7	Level4	on2	5.8G	802.11 ac80	Top Edge	10	155	5775	-0.05	0.507	18.39	19.00	1.151	83.79	1.193	0.696	/
Ant.2&7	Level5	off	5.8G	802.11 ac80	Front Side	10	155	5775	0.01	0.173	18.39	19.00	1.151	83.79	1.193	0.238	/
Ant.2&7	Level5	on2	5.8G	802.11 ac80	Back Side	10	155	5775	0.15	0.281	15.39	16.00	1.151	83.79	1.193	0.386	/
Ant.2&7	Level5	on2	5.8G	802.11 ac80	Left Edge	10	155	5775	-0.15	0.346	15.39	16.00	1.151	83.79	1.193	**0.475**	65#
Ant.2&7	Level5	on2	5.8G	802.11 ac80	Top Edge	10	155	5775	-0.09	0.229	15.39	16.00	1.151	83.79	1.193	0.315	/
P-sensor																	
Ant.7	Level4	off	5.2G	802.11 n40	Front Side	8	38	5190	-0.05	0.101	16.01	16.50	1.119	91.04	1.098	0.124	/
Ant.7	Level4	off	5.2G	802.11 n40	Back Side	15	38	5190	-0.05	0.380	16.01	16.50	1.119	91.04	1.098	0.467	/

Ant.7	Level4	off	5.2G	802.11 n40	Left Edge	13	38	5190	0.05	0.516	16.01	16.50	1.119	91.04	1.098	0.634	/
Ant.7	Level4	off	5.2G	802.11 n40	Top Edge	12	38	5190	0.06	0.090	16.01	16.50	1.119	91.04	1.098	0.111	/
Ant.7	Level4	off	5.3G	802.11 n40	Front Side	8	62	5310	0.09	0.101	15.51	16.50	1.256	91.04	1.098	0.139	/
Ant.7	Level4	off	5.3G	802.11 n40	Back Side	15	62	5310	0.08	0.348	15.51	16.50	1.256	91.04	1.098	0.480	/
Ant.7	Level4	off	5.3G	802.11 n40	Left Edge	13	62	5310	-0.05	0.481	15.51	16.50	1.256	91.04	1.098	0.664	/
Ant.7	Level4	off	5.3G	802.11 n40	Top Edge	12	62	5310	0.11	0.076	15.51	16.50	1.256	91.04	1.098	0.105	/
Ant.7	Level4	off	5.6G	802.11 ac80	Front Side	8	106	5530	0.06	0.092	16.11	16.50	1.094	83.79	1.193	0.120	/
Ant.7	Level4	off	5.6G	802.11 ac80	Back Side	15	106	5530	-0.02	0.349	16.11	16.50	1.094	83.79	1.193	0.456	/
Ant.7	Level4	off	5.6G	802.11 ac80	Left Edge	13	106	5530	0.09	0.484	16.11	16.50	1.094	83.79	1.193	0.632	/
Ant.7	Level4	off	5.6G	802.11 ac80	Top Edge	12	106	5530	-0.14	0.079	16.11	16.50	1.094	83.79	1.193	0.103	/
Ant.7	Level4	off	5.8G	802.11 ac80	Front Side	8	155	5775	0.03	0.175	19.30	19.50	1.047	83.79	1.193	0.219	/
Ant.7	Level4	off	5.8G	802.11 ac80	Back Side	15	155	5775	-0.01	0.751	19.30	19.50	1.047	83.79	1.193	0.939	/
Ant.7	Level4	off	5.8G	802.11 ac80	Left Edge	13	155	5775	-0.12	1.020	19.30	19.50	1.047	83.79	1.193	1.275	/
Ant.7	Level4	off	5.8G	802.11 ac80	Top Edge	12	155	5775	0.07	0.162	19.30	19.50	1.047	83.79	1.193	0.202	/

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

Fre. Band	Power Reduction	Sensor State	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific																	
Ant.2&7	Level4	on2	5.2G	802.11 n40	Back Side	0	46	5230	-0.19	1.330	15.26	15.50	1.057	91.04	1.098	1.544	66#
Ant.2	Level4	N/A	5.3G	802.11 n40	Front Side	0	62	5310	0.10	0.387	15.35	15.50	1.035	91.04	1.098	0.440	/
Ant.2	Level4	N/A	5.3G	802.11 n40	Back Side	0	62	5310	0.15	0.217	15.35	15.50	1.035	91.04	1.098	0.247	/
Ant.2	Level4	N/A	5.3G	802.11 n40	Left Edge	0	62	5310	0.11	0.618	15.35	15.50	1.035	91.04	1.098	0.703	/
Ant.2	Level4	N/A	5.3G	802.11 n40	Top Edge	0	62	5310	0.13	0.440	15.35	15.50	1.035	91.04	1.098	0.500	/
Ant.7	Level4	off	5.3G	802.11 n40	Front Side	0	62	5310	0.08	0.106	15.51	16.50	1.256	91.04	1.098	0.146	/
Ant.7	Level4	on2	5.3G	802.11 n40	Back Side	0	62	5310	-0.06	0.819	15.51	16.50	1.256	91.04	1.098	1.130	/
Ant.7	Level4	on2	5.3G	802.11 n40	Left Edge	0	62	5310	-0.07	0.539	15.51	16.50	1.256	91.04	1.098	0.744	/
Ant.7	Level4	on2	5.3G	802.11 n40	Top Edge	0	62	5310	-0.15	0.050	15.51	16.50	1.256	91.04	1.098	0.069	/
Ant.2&7	Level4	off	5.3G	802.11 n40	Front Side	0	62	5310	-0.05	0.510	18.90	19.50	1.148	91.04	1.098	0.643	/
Ant.2&7	Level4	on2	5.3G	802.11 n40	Back Side	0	62	5310	0.11	0.956	18.90	19.50	1.148	91.04	1.098	1.206	/
Ant.2&7	Level4	on2	5.3G	802.11 n40	Left Edge	0	62	5310	-0.02	1.220	18.90	19.50	1.148	91.04	1.098	1.539	67#
Ant.2&7	Level4	on2	5.3G	802.11 n40	Top Edge	0	62	5310	0.09	0.463	18.90	19.50	1.148	91.04	1.098	0.584	/
Ant.2	Level4	N/A	5.6G	802.11 ac80	Front Side	0	122	5610	0.15	0.323	15.46	15.50	1.009	83.79	1.193	0.389	/
Ant.2	Level4	N/A	5.6G	802.11 ac80	Back Side	0	122	5610	0.02	0.323	15.46	15.50	1.009	83.79	1.193	0.389	/
Ant.2	Level4	N/A	5.6G	802.11 ac80	Left Edge	0	122	5610	-0.11	0.494	15.46	15.50	1.009	83.79	1.193	0.595	/
Ant.2	Level4	N/A	5.6G	802.11 ac80	Top Edge	0	122	5610	0.06	0.345	15.46	15.50	1.009	83.79	1.193	0.416	/
Ant.7	Level4	off	5.6G	802.11 ac80	Front Side	0	122	5610	-0.02	0.073	16.05	16.50	1.109	83.79	1.193	0.097	/
Ant.7	Level4	on2	5.6G	802.11 ac80	Back Side	0	122	5610	0.07	0.297	16.05	16.50	1.109	83.79	1.193	0.393	/
Ant.7	Level4	on2	5.6G	802.11 ac80	Left Edge	0	122	5610	-0.03	0.412	16.05	16.50	1.109	83.79	1.193	0.545	/
Ant.7	Level4	on2	5.6G	802.11 ac80	Top Edge	0	122	5610	-0.10	0.025	16.05	16.50	1.109	83.79	1.193	0.033	/
Ant.2&7	Level4	off	5.6G	802.11 ac80	Front Side	0	122	5610	-0.11	0.367	19.28	19.50	1.052	83.79	1.193	0.461	/

Ant.2&7	Level4	on2	5.6G	802.11 ac80	Back Side	0	122	5610	0.14	0.634	19.28	19.50	1.052	83.79	1.193	0.796	/
Ant.2&7	Level4	on2	5.6G	802.11 ac80	Left Edge	0	122	5610	-0.14	0.750	19.28	19.50	1.052	83.79	1.193	0.942	68#
Ant.2&7	Level4	on2	5.6G	802.11 ac80	Top Edge	0	122	5610	0.01	0.361	19.28	19.50	1.052	83.79	1.193	0.453	/
Ant.2	Level4	N/A	5.8G	802.11 ac80	Left Edge	0	155	5775	0.07	0.775	15.42	16.00	1.143	83.79	1.193	1.057	/
Ant.2	Level4	N/A	5.8G	802.11 ac80	Top Edge	0	155	5775	0.10	0.528	15.42	16.00	1.143	83.79	1.193	0.720	/
Ant.7	Level4	off	5.8G	802.11 ac80	Back Side	0	155	5775	0.04	0.779	19.30	19.50	1.047	83.79	1.193	0.974	/
Ant.7	Level4	on2	5.8G	802.11 ac80	Left Edge	0	155	5775	-0.10	0.704	15.34	16.00	1.164	83.79	1.193	0.978	/
Ant.2&7	Level4	off	5.8G	802.11 ac80	Back Side	0	155	5775	0.13	1.400	22.15	22.50	1.084	83.79	1.193	1.811	69#
Ant.2&7	Level4	on2	5.8G	802.11 ac80	Left Edge	0	155	5775	0.15	0.934	18.39	19.00	1.151	83.79	1.193	1.283	/
Ant.2&7	Level4	on2	5.8G	802.11 ac80	Top Edge	0	155	5775	-0.04	0.713	18.39	19.00	1.151	83.79	1.193	0.979	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																	

11.22 Bluetooth

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	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
DH5	Left Cheek	0	78	2480	0.18	0.298	15.54	16.00	1.112	76.61	1.305	**0.432**	70#
DH5	Left Tilt	0	78	2480	-0.08	0.188	15.54	16.00	1.112	76.61	1.305	0.273	/
DH5	Right Cheek	0	78	2480	0.14	0.145	15.54	16.00	1.112	76.61	1.305	0.210	/
DH5	Right Tilt	0	78	2480	-0.18	0.139	15.54	16.00	1.112	76.61	1.305	0.202	/
Body-Worn													
DH5	Front Side	15	78	2480	-0.13	0.015	15.54	16.00	1.112	76.61	1.305	0.022	/
DH5	Back Side	15	78	2480	0.12	0.021	15.54	16.00	1.112	76.61	1.305	**0.030**	71#
Hotspot													
DH5	Front Side	10	78	2480	-0.07	0.040	15.54	16.00	1.112	76.61	1.305	0.058	/
DH5	Back Side	10	78	2480	0.12	0.054	15.54	16.00	1.112	76.61	1.305	0.078	/
DH5	Left Edge	10	78	2480	0.03	0.036	15.54	16.00	1.112	76.61	1.305	0.052	/
DH5	Top Edge	10	78	2480	0.15	0.057	15.54	16.00	1.112	76.61	1.305	**0.083**	72#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

12 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.

Note: For product specific 10g SAR, the highest measured 10g SAR is 1.850 < 2.0 W/kg, repeated measurement is not required.

13 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).

13.1 Simultaneous Transmission Mode Consider

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

Note:

1. 2G&3G&4G share the same antenna and can't transmit simultaneously.
2. Two WWAN antennas can switch automatically, but up and down antenna can't transmit simultaneously.
3. The maximum SAR summation is calculated based on the same configuration and test position.
4. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
5. 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)

13.2 Sum SAR of Simultaneous Transmission

13.2.1 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 2.4G and WLAN 5G

Band	Antenna	Position	Stand alone SAR			SUM SAR
			1	2	3	
			WWAN	2.4GWIFI Ant.7	Max.5GWIFI Ant.2	Sum SAR （1+2+3）
GSM850	ANT1	Left Cheek	0.430	0.354	0.341	1.125
	ANT1	Left Tilt	0.381	0.283	0.318	0.982
	ANT1	Right Cheek	0.528	0.146	0.097	0.771
	ANT1	Right Tilt	0.492	0.186	0.106	0.784
GSM850	ANT0	Left Cheek	0.224	0.354	0.341	0.919
	ANT0	Left Tilt	0.102	0.283	0.318	0.703
	ANT0	Right Cheek	0.158	0.146	0.097	0.401
	ANT0	Right Tilt	0.083	0.186	0.106	0.375
GSM1900	ANT1	Left Cheek	0.428	0.354	0.341	1.123
	ANT1	Left Tilt	0.562	0.283	0.318	1.163
	ANT1	Right Cheek	0.599	0.146	0.097	0.842
	ANT1	Right Tilt	0.782	0.186	0.106	1.074
GSM1900	ANT0	Left Cheek	0.031	0.354	0.341	0.726
	ANT0	Left Tilt	0.021	0.283	0.318	0.622
	ANT0	Right Cheek	0.026	0.146	0.097	0.269
	ANT0	Right Tilt	0.017	0.186	0.106	0.309
WCDMA B2	ANT1	Left Cheek	0.536	0.354	0.341	1.231
	ANT1	Left Tilt	0.715	0.283	0.318	1.316
	ANT1	Right Cheek	0.762	0.146	0.097	1.005
	ANT1	Right Tilt	0.968	0.186	0.106	1.260
WCDMA B2	ANT0	Left Cheek	0.092	0.354	0.341	0.787
	ANT0	Left Tilt	0.056	0.283	0.318	0.657
	ANT0	Right Cheek	0.062	0.146	0.097	0.305
	ANT0	Right Tilt	0.064	0.186	0.106	0.356
WCDMA B4	ANT1	Left Cheek	0.364	0.354	0.341	1.059
	ANT1	Left Tilt	0.477	0.283	0.318	1.078
	ANT1	Right Cheek	0.573	0.146	0.097	0.816
	ANT1	Right Tilt	0.729	0.186	0.106	1.021
WCDMA B4	ANT0	Left Cheek	0.153	0.354	0.341	0.848
	ANT0	Left Tilt	0.029	0.283	0.318	0.630
	ANT0	Right Cheek	0.114	0.146	0.097	0.357
	ANT0	Right Tilt	0.029	0.186	0.106	0.321
WCDMA B5	ANT1	Left Cheek	0.468	0.354	0.341	1.163
	ANT1	Left Tilt	0.425	0.283	0.318	1.026
	ANT1	Right Cheek	0.639	0.146	0.097	0.882

	ANT1	Right Tilt	0.655	0.186	0.106	0.947
WCDMA B5	ANT0	Left Cheek	0.241	0.354	0.341	0.936
	ANT0	Left Tilt	0.145	0.283	0.318	0.746
	ANT0	Right Cheek	0.167	0.146	0.097	0.410
	ANT0	Right Tilt	0.120	0.186	0.106	0.412
LTE B2	ANT1	Left Cheek	0.579	0.354	0.341	1.274
	ANT1	Left Tilt	0.781	0.283	0.318	**1.382**
	ANT1	Right Cheek	0.788	0.146	0.097	1.031
	ANT1	Right Tilt	1.032	0.186	0.106	1.324
LTE B2	ANT0	Left Cheek	0.075	0.354	0.341	0.770
	ANT0	Left Tilt	0.008	0.283	0.318	0.609
	ANT0	Right Cheek	0.062	0.146	0.097	0.305
	ANT0	Right Tilt	0.069	0.186	0.106	0.361
LTE B4	ANT1	Left Cheek	0.390	0.354	0.341	1.085
	ANT1	Left Tilt	0.507	0.283	0.318	1.108
	ANT1	Right Cheek	0.577	0.146	0.097	0.820
	ANT1	Right Tilt	0.780	0.186	0.106	1.072
LTE B4	ANT0	Left Cheek	0.164	0.354	0.341	0.859
	ANT0	Left Tilt	0.016	0.283	0.318	0.617
	ANT0	Right Cheek	0.092	0.146	0.097	0.335
	ANT0	Right Tilt	0.026	0.186	0.106	0.318
LTE B5	ANT1	Left Cheek	0.533	0.354	0.341	1.228
	ANT1	Left Tilt	0.453	0.283	0.318	1.054
	ANT1	Right Cheek	0.722	0.146	0.097	0.965
	ANT1	Right Tilt	0.674	0.186	0.106	0.966
LTE B5	ANT0	Left Cheek	0.222	0.354	0.341	0.917
	ANT0	Left Tilt	0.122	0.283	0.318	0.723
	ANT0	Right Cheek	0.149	0.146	0.097	0.392
	ANT0	Right Tilt	0.095	0.186	0.106	0.387
LTE B7	ANT1	Left Cheek	0.163	0.354	0.341	0.858
	ANT1	Left Tilt	0.051	0.283	0.318	0.652
	ANT1	Right Cheek	0.353	0.146	0.097	0.596
	ANT1	Right Tilt	0.488	0.186	0.106	0.780
LTE B7	ANT0	Left Cheek	0.164	0.354	0.341	0.859
	ANT0	Left Tilt	0.125	0.283	0.318	0.726
	ANT0	Right Cheek	0.272	0.146	0.097	0.515
	ANT0	Right Tilt	0.187	0.186	0.106	0.479
LTE B12	ANT1	Left Cheek	0.430	0.354	0.341	1.125
	ANT1	Left Tilt	0.344	0.283	0.318	0.945
	ANT1	Right Cheek	0.712	0.146	0.097	0.955
	ANT1	Right Tilt	0.645	0.186	0.106	0.937
LTE B12	ANT0	Left Cheek	0.085	0.354	0.341	0.780
	ANT0	Left Tilt	0.027	0.283	0.318	0.628

	ANT0	Right Cheek	0.061	0.146	0.097	0.304
	ANT0	Right Tilt	0.021	0.186	0.106	0.313
LTE B38	ANT1	Left Cheek	0.201	0.354	0.341	0.896
	ANT1	Left Tilt	0.248	0.283	0.318	0.849
	ANT1	Right Cheek	0.516	0.146	0.097	0.759
	ANT1	Right Tilt	0.522	0.186	0.106	0.814
LTE B38	ANT0	Left Cheek	0.083	0.354	0.341	0.778
	ANT0	Left Tilt	0.072	0.283	0.318	0.673
	ANT0	Right Cheek	0.148	0.146	0.097	0.391
	ANT0	Right Tilt	0.083	0.186	0.106	0.375
LTE B41	ANT1	Left Cheek	0.184	0.354	0.341	0.879
	ANT1	Left Tilt	0.227	0.283	0.318	0.828
	ANT1	Right Cheek	0.355	0.146	0.097	0.598
	ANT1	Right Tilt	0.384	0.186	0.106	0.676
LTE B41	ANT0	Left Cheek	0.082	0.354	0.341	0.777
	ANT0	Left Tilt	0.072	0.283	0.318	0.673
	ANT0	Right Cheek	0.155	0.146	0.097	0.398
	ANT0	Right Tilt	0.080	0.186	0.106	0.372
5G N5	ANT1	Left Cheek	0.294	0.354	0.341	0.989
	ANT1	Left Tilt	0.248	0.283	0.318	0.849
	ANT1	Right Cheek	0.447	0.146	0.097	0.690
	ANT1	Right Tilt	0.318	0.186	0.106	0.610
5G N5	ANT0	Left Cheek	0.100	0.354	0.341	0.795
	ANT0	Left Tilt	0.051	0.283	0.318	0.652
	ANT0	Right Cheek	0.057	0.146	0.097	0.300
	ANT0	Right Tilt	0.030	0.186	0.106	0.322
5G N7	ANT1	Left Cheek	0.137	0.354	0.341	0.832
	ANT1	Left Tilt	0.161	0.283	0.318	0.762
	ANT1	Right Cheek	0.390	0.146	0.097	0.633
	ANT1	Right Tilt	0.521	0.186	0.106	0.813
5G N7	ANT0	Left Cheek	0.128	0.354	0.341	0.823
	ANT0	Left Tilt	0.109	0.283	0.318	0.710
	ANT0	Right Cheek	0.187	0.146	0.097	0.430
	ANT0	Right Tilt	0.166	0.186	0.106	0.458
5G N38	ANT1	Left Cheek	0.188	0.354	0.341	0.883
	ANT1	Left Tilt	0.215	0.283	0.318	0.816
	ANT1	Right Cheek	0.513	0.146	0.097	0.756
	ANT1	Right Tilt	0.616	0.186	0.106	0.908
5G N38	ANT0	Left Cheek	0.177	0.354	0.341	0.872
	ANT0	Left Tilt	0.157	0.283	0.318	0.758
	ANT0	Right Cheek	0.283	0.146	0.097	0.526
	ANT0	Right Tilt	0.173	0.186	0.106	0.465
5G N41	ANT1	Left Cheek	0.126	0.354	0.341	0.821

	ANT1	Left Tilt	0.154	0.283	0.318	0.755
	ANT1	Right Cheek	0.351	0.146	0.097	0.594
	ANT1	Right Tilt	0.403	0.186	0.106	0.695
5G N41	ANT0	Left Cheek	0.130	0.354	0.341	0.825
	ANT0	Left Tilt	0.109	0.283	0.318	0.710
	ANT0	Right Cheek	0.203	0.146	0.097	0.446
	ANT0	Right Tilt	0.145	0.186	0.106	0.437

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 1.382 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.2 Head Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR						SUM SAR			
			1	2	3	4	5	6				
			WWAN	2.4GWIFI Ant.2	Max.5GWIFI Ant.2	Max.5GWIFI Ant.7	Max.5GWIFI Ant.2&7	Bluetooth	Sum SAR (1+2+6)	Sum SAR (1+4+6)	Sum SAR (1+3+6)	Sum SAR (1+5+6)
GSM850	ANT1	Left Cheek	0.430	0.071	0.407	0.140	0.488	0.432	0.933	1.002	1.269	1.350
	ANT1	Left Tilt	0.381	0.034	0.375	0.075	0.449	0.273	0.688	0.729	1.029	1.103
	ANT1	Right Cheek	0.528	0.042	0.105	0.058	0.133	0.210	0.780	0.796	0.843	0.871
	ANT1	Right Tilt	0.492	0.019	0.112	0.090	0.149	0.202	0.713	0.784	0.806	0.843
GSM850	ANT0	Left Cheek	0.224	0.071	0.407	0.140	0.488	0.432	0.727	0.796	1.063	1.144
	ANT0	Left Tilt	0.102	0.034	0.375	0.075	0.449	0.273	0.409	0.450	0.750	0.824
	ANT0	Right Cheek	0.158	0.042	0.105	0.058	0.133	0.210	0.410	0.426	0.473	0.501
	ANT0	Right Tilt	0.083	0.019	0.112	0.090	0.149	0.202	0.304	0.375	0.397	0.434
GSM1900	ANT1	Left Cheek	0.428	0.071	0.407	0.140	0.488	0.432	0.931	1.000	1.267	1.348
	ANT1	Left Tilt	0.562	0.034	0.375	0.075	0.449	0.273	0.869	0.910	1.210	1.284
	ANT1	Right Cheek	0.599	0.042	0.105	0.058	0.133	0.210	0.851	0.867	0.914	0.942
	ANT1	Right Tilt	0.782	0.019	0.112	0.090	0.149	0.202	1.003	1.074	1.096	1.133
GSM1900	ANT0	Left Cheek	0.031	0.071	0.407	0.140	0.488	0.432	0.534	0.603	0.870	0.951
	ANT0	Left Tilt	0.021	0.034	0.375	0.075	0.449	0.273	0.328	0.369	0.669	0.743
	ANT0	Right Cheek	0.026	0.042	0.105	0.058	0.133	0.210	0.278	0.294	0.341	0.369
	ANT0	Right Tilt	0.017	0.019	0.112	0.090	0.149	0.202	0.238	0.309	0.331	0.368
WCDMA B2	ANT1	Left Cheek	0.536	0.071	0.407	0.140	0.488	0.432	1.039	1.108	1.375	1.456
	ANT1	Left Tilt	0.715	0.034	0.375	0.075	0.449	0.273	1.022	1.063	1.363	1.437
	ANT1	Right Cheek	0.762	0.042	0.105	0.058	0.133	0.210	1.014	1.030	1.077	1.105
	ANT1	Right Tilt	0.968	0.019	0.112	0.090	0.149	0.202	1.189	1.260	1.282	1.319
WCDMA B2	ANT0	Left Cheek	0.092	0.071	0.407	0.140	0.488	0.432	0.595	0.664	0.931	1.012
	ANT0	Left Tilt	0.056	0.034	0.375	0.075	0.449	0.273	0.363	0.404	0.704	0.778
	ANT0	Right Cheek	0.062	0.042	0.105	0.058	0.133	0.210	0.314	0.330	0.377	0.405
	ANT0	Right Tilt	0.064	0.019	0.112	0.090	0.149	0.202	0.285	0.356	0.378	0.415
WCDMA B4	ANT1	Left Cheek	0.364	0.071	0.407	0.140	0.488	0.432	0.867	0.936	1.203	1.284
	ANT1	Left Tilt	0.477	0.034	0.375	0.075	0.449	0.273	0.784	0.825	1.125	1.199
	ANT1	Right Cheek	0.573	0.042	0.105	0.058	0.133	0.210	0.825	0.841	0.888	0.916
	ANT1	Right Tilt	0.729	0.019	0.112	0.090	0.149	0.202	0.950	1.021	1.043	1.080
WCDMA B4	ANT0	Left Cheek	0.153	0.071	0.407	0.140	0.488	0.432	0.656	0.725	0.992	1.073
	ANT0	Left Tilt	0.029	0.034	0.375	0.075	0.449	0.273	0.336	0.377	0.677	0.751
	ANT0	Right Cheek	0.114	0.042	0.105	0.058	0.133	0.210	0.366	0.382	0.429	0.457
	ANT0	Right Tilt	0.029	0.019	0.112	0.090	0.149	0.202	0.250	0.321	0.343	0.380
WCDMA B5	ANT1	Left Cheek	0.468	0.071	0.407	0.140	0.488	0.432	0.971	1.040	1.307	1.388
	ANT1	Left Tilt	0.425	0.034	0.375	0.075	0.449	0.273	0.732	0.773	1.073	1.147
	ANT1	Right Cheek	0.639	0.042	0.105	0.058	0.133	0.210	0.891	0.907	0.954	0.982
	ANT1	Right Tilt	0.655	0.019	0.112	0.090	0.149	0.202	0.876	0.947	0.969	1.006

WCDMA B5	ANT0	Left Cheek	0.241	0.071	0.407	0.140	0.488	0.432	0.744	0.813	1.080	1.161
	ANT0	Left Tilt	0.145	0.034	0.375	0.075	0.449	0.273	0.452	0.493	0.793	0.867
	ANT0	Right Cheek	0.167	0.042	0.105	0.058	0.133	0.210	0.419	0.435	0.482	0.510
	ANT0	Right Tilt	0.120	0.019	0.112	0.090	0.149	0.202	0.341	0.412	0.434	0.471
LTE B2	ANT1	Left Cheek	0.579	0.071	0.407	0.140	0.488	0.432	1.082	1.151	1.418	1.499
	ANT1	Left Tilt	0.781	0.034	0.375	0.075	0.449	0.273	1.088	1.129	1.429	**1.503**
	ANT1	Right Cheek	0.788	0.042	0.105	0.058	0.133	0.210	1.040	1.056	1.103	1.131
	ANT1	Right Tilt	1.032	0.019	0.112	0.090	0.149	0.202	1.253	1.324	1.346	1.383
LTE B2	ANT0	Left Cheek	0.075	0.071	0.407	0.140	0.488	0.432	0.578	0.647	0.914	0.995
	ANT0	Left Tilt	0.008	0.034	0.375	0.075	0.449	0.273	0.315	0.356	0.656	0.730
	ANT0	Right Cheek	0.062	0.042	0.105	0.058	0.133	0.210	0.314	0.330	0.377	0.405
	ANT0	Right Tilt	0.069	0.019	0.112	0.090	0.149	0.202	0.290	0.361	0.383	0.420
LTE B4	ANT1	Left Cheek	0.390	0.071	0.407	0.140	0.488	0.432	0.893	0.962	1.229	1.310
	ANT1	Left Tilt	0.507	0.034	0.375	0.075	0.449	0.273	0.814	0.855	1.155	1.229
	ANT1	Right Cheek	0.577	0.042	0.105	0.058	0.133	0.210	0.829	0.845	0.892	0.920
	ANT1	Right Tilt	0.780	0.019	0.112	0.090	0.149	0.202	1.001	1.072	1.094	1.131
LTE B4	ANT0	Left Cheek	0.164	0.071	0.407	0.140	0.488	0.432	0.667	0.736	1.003	1.084
	ANT0	Left Tilt	0.016	0.034	0.375	0.075	0.449	0.273	0.323	0.364	0.664	0.738
	ANT0	Right Cheek	0.092	0.042	0.105	0.058	0.133	0.210	0.344	0.360	0.407	0.435
	ANT0	Right Tilt	0.026	0.019	0.112	0.090	0.149	0.202	0.247	0.318	0.340	0.377
LTE B5	ANT1	Left Cheek	0.533	0.071	0.407	0.140	0.488	0.432	1.036	1.105	1.372	1.453
	ANT1	Left Tilt	0.453	0.034	0.375	0.075	0.449	0.273	0.760	0.801	1.101	1.175
	ANT1	Right Cheek	0.722	0.042	0.105	0.058	0.133	0.210	0.974	0.990	1.037	1.065
	ANT1	Right Tilt	0.674	0.019	0.112	0.090	0.149	0.202	0.895	0.966	0.988	1.025
LTE B5	ANT0	Left Cheek	0.222	0.071	0.407	0.140	0.488	0.432	0.725	0.794	1.061	1.142
	ANT0	Left Tilt	0.122	0.034	0.375	0.075	0.449	0.273	0.429	0.470	0.770	0.844
	ANT0	Right Cheek	0.149	0.042	0.105	0.058	0.133	0.210	0.401	0.417	0.464	0.492
	ANT0	Right Tilt	0.095	0.019	0.112	0.090	0.149	0.202	0.316	0.387	0.409	0.446
LTE B7	ANT1	Left Cheek	0.163	0.071	0.407	0.140	0.488	0.432	0.666	0.735	1.002	1.083
	ANT1	Left Tilt	0.051	0.034	0.375	0.075	0.449	0.273	0.358	0.399	0.699	0.773
	ANT1	Right Cheek	0.353	0.042	0.105	0.058	0.133	0.210	0.605	0.621	0.668	0.696
	ANT1	Right Tilt	0.488	0.019	0.112	0.090	0.149	0.202	0.709	0.780	0.802	0.839
LTE B7	ANT0	Left Cheek	0.164	0.071	0.407	0.140	0.488	0.432	0.667	0.736	1.003	1.084
	ANT0	Left Tilt	0.125	0.034	0.375	0.075	0.449	0.273	0.432	0.473	0.773	0.847
	ANT0	Right Cheek	0.272	0.042	0.105	0.058	0.133	0.210	0.524	0.540	0.587	0.615
	ANT0	Right Tilt	0.187	0.019	0.112	0.090	0.149	0.202	0.408	0.479	0.501	0.538
LTE B12	ANT1	Left Cheek	0.430	0.071	0.407	0.140	0.488	0.432	0.933	1.002	1.269	1.350
	ANT1	Left Tilt	0.344	0.034	0.375	0.075	0.449	0.273	0.651	0.692	0.992	1.066
	ANT1	Right Cheek	0.712	0.042	0.105	0.058	0.133	0.210	0.964	0.980	1.027	1.055
	ANT1	Right Tilt	0.645	0.019	0.112	0.090	0.149	0.202	0.866	0.937	0.959	0.996
LTE B12	ANT0	Left Cheek	0.085	0.071	0.407	0.140	0.488	0.432	0.588	0.657	0.924	1.005
	ANT0	Left Tilt	0.027	0.034	0.375	0.075	0.449	0.273	0.334	0.375	0.675	0.749
	ANT0	Right Cheek	0.061	0.042	0.105	0.058	0.133	0.210	0.313	0.329	0.376	0.404

	ANT0	Right Tilt	0.021	0.019	0.112	0.090	0.149	0.202	0.242	0.313	0.335	0.372
LTE B38	ANT1	Left Cheek	0.201	0.071	0.407	0.140	0.488	0.432	0.704	0.773	1.040	1.121
	ANT1	Left Tilt	0.248	0.034	0.375	0.075	0.449	0.273	0.555	0.596	0.896	0.970
	ANT1	Right Cheek	0.516	0.042	0.105	0.058	0.133	0.210	0.768	0.784	0.831	0.859
	ANT1	Right Tilt	0.522	0.019	0.112	0.090	0.149	0.202	0.743	0.814	0.836	0.873
LTE B38	ANT0	Left Cheek	0.083	0.071	0.407	0.140	0.488	0.432	0.586	0.655	0.922	1.003
	ANT0	Left Tilt	0.072	0.034	0.375	0.075	0.449	0.273	0.379	0.420	0.720	0.794
	ANT0	Right Cheek	0.148	0.042	0.105	0.058	0.133	0.210	0.400	0.416	0.463	0.491
	ANT0	Right Tilt	0.083	0.019	0.112	0.090	0.149	0.202	0.304	0.375	0.397	0.434
LTE B41	ANT1	Left Cheek	0.184	0.071	0.407	0.140	0.488	0.432	0.687	0.756	1.023	1.104
	ANT1	Left Tilt	0.227	0.034	0.375	0.075	0.449	0.273	0.534	0.575	0.875	0.949
	ANT1	Right Cheek	0.355	0.042	0.105	0.058	0.133	0.210	0.607	0.623	0.670	0.698
	ANT1	Right Tilt	0.384	0.019	0.112	0.090	0.149	0.202	0.605	0.676	0.698	0.735
LTE B41	ANT0	Left Cheek	0.082	0.071	0.407	0.140	0.488	0.432	0.585	0.654	0.921	1.002
	ANT0	Left Tilt	0.072	0.034	0.375	0.075	0.449	0.273	0.379	0.420	0.720	0.794
	ANT0	Right Cheek	0.155	0.042	0.105	0.058	0.133	0.210	0.407	0.423	0.470	0.498
	ANT0	Right Tilt	0.080	0.019	0.112	0.090	0.149	0.202	0.301	0.372	0.394	0.431
5G N5	ANT1	Left Cheek	0.294	0.071	0.407	0.140	0.488	0.432	0.797	0.866	1.133	1.214
	ANT1	Left Tilt	0.248	0.034	0.375	0.075	0.449	0.273	0.555	0.596	0.896	0.970
	ANT1	Right Cheek	0.447	0.042	0.105	0.058	0.133	0.210	0.699	0.715	0.762	0.790
	ANT1	Right Tilt	0.318	0.019	0.112	0.090	0.149	0.202	0.539	0.610	0.632	0.669
5G N5	ANT0	Left Cheek	0.100	0.071	0.407	0.140	0.488	0.432	0.603	0.672	0.939	1.020
	ANT0	Left Tilt	0.051	0.034	0.375	0.075	0.449	0.273	0.358	0.399	0.699	0.773
	ANT0	Right Cheek	0.057	0.042	0.105	0.058	0.133	0.210	0.309	0.325	0.372	0.400
	ANT0	Right Tilt	0.030	0.019	0.112	0.090	0.149	0.202	0.251	0.322	0.344	0.381
5G N7	ANT1	Left Cheek	0.137	0.071	0.407	0.140	0.488	0.432	0.640	0.709	0.976	1.057
	ANT1	Left Tilt	0.161	0.034	0.375	0.075	0.449	0.273	0.468	0.509	0.809	0.883
	ANT1	Right Cheek	0.390	0.042	0.105	0.058	0.133	0.210	0.642	0.658	0.705	0.733
	ANT1	Right Tilt	0.521	0.019	0.112	0.090	0.149	0.202	0.742	0.813	0.835	0.872
5G N7	ANT0	Left Cheek	0.128	0.071	0.407	0.140	0.488	0.432	0.631	0.700	0.967	1.048
	ANT0	Left Tilt	0.109	0.034	0.375	0.075	0.449	0.273	0.416	0.457	0.757	0.831
	ANT0	Right Cheek	0.187	0.042	0.105	0.058	0.133	0.210	0.439	0.455	0.502	0.530
	ANT0	Right Tilt	0.166	0.019	0.112	0.090	0.149	0.202	0.387	0.458	0.480	0.517
5G N38	ANT1	Left Cheek	0.188	0.071	0.407	0.140	0.488	0.432	0.691	0.760	1.027	1.108
	ANT1	Left Tilt	0.215	0.034	0.375	0.075	0.449	0.273	0.522	0.563	0.863	0.937
	ANT1	Right Cheek	0.513	0.042	0.105	0.058	0.133	0.210	0.765	0.781	0.828	0.856
	ANT1	Right Tilt	0.616	0.019	0.112	0.090	0.149	0.202	0.837	0.908	0.930	0.967
5G N38	ANT0	Left Cheek	0.177	0.071	0.407	0.140	0.488	0.432	0.680	0.749	1.016	1.097
	ANT0	Left Tilt	0.157	0.034	0.375	0.075	0.449	0.273	0.464	0.505	0.805	0.879
	ANT0	Right Cheek	0.283	0.042	0.105	0.058	0.133	0.210	0.535	0.551	0.598	0.626
	ANT0	Right Tilt	0.173	0.019	0.112	0.090	0.149	0.202	0.394	0.465	0.487	0.524
5G N41	ANT1	Left Cheek	0.126	0.071	0.407	0.140	0.488	0.432	0.629	0.698	0.965	1.046
	ANT1	Left Tilt	0.154	0.034	0.375	0.075	0.449	0.273	0.461	0.502	0.802	0.876

	ANT1	Right Cheek	0.351	0.042	0.105	0.058	0.133	0.210	0.603	0.619	0.666	0.694
	ANT1	Right Tilt	0.403	0.019	0.112	0.090	0.149	0.202	0.624	0.695	0.717	0.754
5G N41	ANT0	Left Cheek	0.130	0.071	0.407	0.140	0.488	0.432	0.633	0.702	0.969	1.050
	ANT0	Left Tilt	0.109	0.034	0.375	0.075	0.449	0.273	0.416	0.457	0.757	0.831
	ANT0	Right Cheek	0.203	0.042	0.105	0.058	0.133	0.210	0.455	0.471	0.518	0.546
	ANT0	Right Tilt	0.145	0.019	0.112	0.090	0.149	0.202	0.366	0.437	0.459	0.496

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 1.503 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.3 Head Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN 2.4G and WLAN 5G

EN-DC Configuratoin	LTE ANT	NR ANT	Position	Stand alone SAR						SUM SAR
				1		2	3	4	5	
				LTE	LTE Scaled SAR	NR	EN_DC	2.4GWIFI Ant.7	Max.5GWIFI Ant.2	Sum SAR （3+4+5）
DC_7A_n5A	ANT4	ANT0	Left Cheek	0.089	0.089	0.100	0.189	0.354	0.407	0.950
			Left Tilt	0.109	0.109	0.051	0.160	0.283	0.375	0.818
			Right Cheek	0.247	0.247	0.057	0.304	0.146	0.097	0.547
			Right Tilt	0.297	0.297	0.030	0.327	0.186	0.112	0.625
	ANT4	ANT1	Left Cheek	0.089	0.089	0.131	0.220	0.354	0.407	0.981
			Left Tilt	0.109	0.109	0.111	0.220	0.283	0.375	0.878
			Right Cheek	0.247	0.247	0.171	0.418	0.146	0.097	0.661
			Right Tilt	0.297	0.297	0.142	0.439	0.186	0.112	0.737
	ANT1	ANT0	Left Cheek	0.163	0.121	0.100	0.221	0.354	0.407	0.982
			Left Tilt	0.051	0.038	0.051	0.089	0.283	0.375	0.747
			Right Cheek	0.353	0.262	0.057	0.319	0.146	0.097	0.562
			Right Tilt	0.488	0.362	0.030	0.392	0.186	0.112	0.690
DC_5A_n7A	ANT0	ANT4	Left Cheek	0.222	0.222	0.009	0.231	0.354	0.407	0.992
			Left Tilt	0.122	0.122	0.012	0.134	0.283	0.375	0.792
			Right Cheek	0.149	0.149	0.028	0.177	0.146	0.097	0.420
			Right Tilt	0.095	0.095	0.034	0.129	0.186	0.112	0.427
	ANT0	ANT1	Left Cheek	0.222	0.222	0.124	0.346	0.354	0.407	**1.107**
			Left Tilt	0.122	0.122	0.146	0.268	0.283	0.375	0.926
			Right Cheek	0.149	0.149	0.354	0.503	0.146	0.097	0.746
			Right Tilt	0.095	0.095	0.404	0.499	0.186	0.112	0.797
	ANT1	ANT4	Left Cheek	0.533	0.286	0.009	0.295	0.354	0.407	1.056
			Left Tilt	0.453	0.243	0.012	0.255	0.283	0.375	0.913
			Right Cheek	0.722	0.388	0.028	0.416	0.146	0.097	0.659
			Right Tilt	0.674	0.362	0.034	0.396	0.186	0.112	0.694

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 1.107 W/kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.4 Head Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

EN-DC Configuratoin	LTE ANT	NR ANT	Position	Stand alone SAR									SUM SAR			
				1		2	3	4	5	6	7	8				
				LTE	LTE Scaled SAR	NR	EN_DC	2.4GWIFI Ant.2	Max.5G WIFI Ant.2	Max.5G WIFI Ant.7	Max.5G WIFI Ant.2&7	Bluetooth	Sum SAR (3+4+8)	Sum SAR (3+6+8)	Sum SAR (3+5+8)	Sum SAR (3+7+8)
DC_7A_n5A	ANT4	ANT0	Left Cheek	0.089	0.089	0.100	0.189	0.071	0.407	0.140	0.488	0.432	0.692	0.761	1.028	1.109
			Left Tilt	0.109	0.109	0.051	0.160	0.034	0.375	0.075	0.449	0.273	0.467	0.508	0.808	0.882
			Right Cheek	0.247	0.247	0.057	0.304	0.042	0.105	0.058	0.133	0.210	0.556	0.572	0.619	0.647
			Right Tilt	0.297	0.297	0.030	0.327	0.019	0.112	0.090	0.149	0.202	0.548	0.619	0.641	0.678
	ANT4	ANT1	Left Cheek	0.089	0.089	0.131	0.220	0.071	0.407	0.140	0.488	0.432	0.723	0.792	1.059	1.140
			Left Tilt	0.109	0.109	0.111	0.220	0.034	0.375	0.075	0.449	0.273	0.527	0.568	0.868	0.942
			Right Cheek	0.247	0.247	0.171	0.418	0.042	0.105	0.058	0.133	0.210	0.670	0.686	0.733	0.761
			Right Tilt	0.297	0.297	0.142	0.439	0.019	0.112	0.090	0.149	0.202	0.660	0.731	0.753	0.790
	ANT1	ANT0	Left Cheek	0.163	0.121	0.100	0.221	0.071	0.407	0.140	0.488	0.432	0.724	0.793	1.060	1.141
			Left Tilt	0.051	0.038	0.051	0.089	0.034	0.375	0.075	0.449	0.273	0.396	0.437	0.737	0.811
			Right Cheek	0.353	0.262	0.057	0.319	0.042	0.105	0.058	0.133	0.210	0.571	0.587	0.634	0.662
			Right Tilt	0.488	0.362	0.030	0.392	0.019	0.112	0.090	0.149	0.202	0.613	0.684	0.706	0.743
DC_5A_n7A	ANT0	ANT4	Left Cheek	0.222	0.222	0.009	0.231	0.071	0.407	0.140	0.488	0.432	0.734	0.803	1.070	1.151
			Left Tilt	0.122	0.122	0.012	0.134	0.034	0.375	0.075	0.449	0.273	0.441	0.482	0.782	0.856
			Right Cheek	0.149	0.149	0.028	0.177	0.042	0.105	0.058	0.133	0.210	0.429	0.445	0.492	0.520
			Right Tilt	0.095	0.095	0.034	0.129	0.019	0.112	0.090	0.149	0.202	0.350	0.421	0.443	0.480
	ANT0	ANT1	Left Cheek	0.222	0.222	0.124	0.346	0.071	0.407	0.140	0.488	0.432	0.849	0.918	1.185	**1.266**
			Left Tilt	0.122	0.122	0.146	0.268	0.034	0.375	0.075	0.449	0.273	0.575	0.616	0.916	0.990
			Right Cheek	0.149	0.149	0.354	0.503	0.042	0.105	0.058	0.133	0.210	0.755	0.771	0.818	0.846
			Right Tilt	0.095	0.095	0.404	0.499	0.019	0.112	0.090	0.149	0.202	0.720	0.791	0.813	0.850
	ANT1	ANT4	Left Cheek	0.533	0.286	0.009	0.295	0.071	0.407	0.140	0.488	0.432	0.798	0.867	1.134	1.215
			Left Tilt	0.453	0.243	0.012	0.255	0.034	0.375	0.075	0.449	0.273	0.562	0.603	0.903	0.977
			Right Cheek	0.722	0.388	0.028	0.416	0.042	0.105	0.058	0.133	0.210	0.668	0.684	0.731	0.759
			Right Tilt	0.674	0.362	0.034	0.396	0.019	0.112	0.090	0.149	0.202	0.617	0.688	0.710	0.747

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 1.266 W/kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.5 Head Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN 2.4G and WLAN 5G

EN-DC Configuratoin	LTE ANT	NR ANT	Position	Stand alone SAR						SUM SAR
				1		2	3	4	5	
				LTE	LTE Scaled SAR	NR	EN_DC	2.4GWIFI Ant.7	Max.5GWIFI Ant.2	Sum SAR （3+4+5）
DC_7A_n5A	ANT4	ANT0	Left Cheek	0.089	0.089	0.100	0.189	0.354	0.341	0.884
			Left Tilt	0.109	0.109	0.051	0.160	0.283	0.318	0.761
			Right Cheek	0.247	0.247	0.057	0.304	0.146	0.097	0.547
			Right Tilt	0.297	0.297	0.030	0.327	0.186	0.106	0.619
	ANT4	ANT1	Left Cheek	0.089	0.089	0.131	0.220	0.354	0.341	0.915
			Left Tilt	0.109	0.109	0.111	0.220	0.283	0.318	0.821
			Right Cheek	0.247	0.247	0.171	0.418	0.146	0.097	0.661
			Right Tilt	0.297	0.297	0.142	0.439	0.186	0.106	0.731
	ANT1	ANT0	Left Cheek	0.163	0.121	0.100	0.221	0.354	0.341	0.916
			Left Tilt	0.051	0.038	0.051	0.089	0.283	0.318	0.690
			Right Cheek	0.353	0.262	0.057	0.319	0.146	0.097	0.562
			Right Tilt	0.488	0.362	0.030	0.392	0.186	0.106	0.684
DC_5A_n7A	ANT0	ANT4	Left Cheek	0.222	0.222	0.009	0.231	0.354	0.341	0.926
			Left Tilt	0.122	0.122	0.012	0.134	0.283	0.318	0.735
			Right Cheek	0.149	0.149	0.028	0.177	0.146	0.097	0.420
			Right Tilt	0.095	0.095	0.034	0.129	0.186	0.106	0.421
	ANT0	ANT1	Left Cheek	0.222	0.222	0.124	0.346	0.354	0.341	**1.041**
			Left Tilt	0.122	0.122	0.146	0.268	0.283	0.318	0.869
			Right Cheek	0.149	0.149	0.354	0.503	0.146	0.097	0.746
			Right Tilt	0.095	0.095	0.404	0.499	0.186	0.106	0.791
	ANT1	ANT4	Left Cheek	0.533	0.286	0.009	0.295	0.354	0.341	0.990
			Left Tilt	0.453	0.243	0.012	0.255	0.283	0.318	0.856
			Right Cheek	0.722	0.388	0.028	0.416	0.146	0.097	0.659
			Right Tilt	0.674	0.362	0.034	0.396	0.186	0.106	0.688

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 1.041 W/kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.6 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR							SUM SAR				
			1	2	3	4	5	6	7					
			WWAN	2.4G WIFI Ant.2	2.4G WIFI Ant.7	Max.5G WIFI Ant.2	Max.5G WIFI Ant.7	Max.5G WIFI Ant.2&7	Bluetooth	Sum SAR (1+2+7)	Sum SAR (1+3+4)	Sum SAR (1+5+7)	Sum SAR (1+4+7)	Sum SAR (1+6+7)
GSM850	ANT1	Front Side 15mm	0.158	0.033	0.062	0.149	0.060	0.157	0.022	0.213	0.369	0.240	0.329	0.337
	ANT1	Back Side 15mm	0.220	0.041	0.073	0.335	0.538	0.553	0.030	0.291	0.628	0.788	0.585	0.803
GSM850	ANT0	Front Side 15mm	0.143	0.033	0.062	0.149	0.060	0.157	0.022	0.198	0.354	0.225	0.314	0.322
	ANT0	Back Side 15mm	0.166	0.041	0.073	0.335	0.538	0.553	0.030	0.237	0.574	0.734	0.531	0.749
GSM1900	ANT1	Front Side 15mm	0.241	0.033	0.062	0.149	0.060	0.157	0.022	0.296	0.452	0.323	0.412	0.420
	ANT1	Back Side 15mm	0.412	0.041	0.073	0.335	0.538	0.553	0.030	0.483	0.820	0.980	0.777	**0.995**
GSM1900	ANT0	Front Side 15mm	0.118	0.033	0.062	0.149	0.060	0.157	0.022	0.173	0.329	0.200	0.289	0.297
	ANT0	Back Side 15mm	0.222	0.041	0.073	0.335	0.538	0.553	0.030	0.293	0.630	0.790	0.587	0.805
WCDMA B2	ANT1	Front Side 15mm	0.183	0.033	0.062	0.149	0.060	0.157	0.022	0.238	0.394	0.265	0.354	0.362
	ANT1	Back Side 15mm	0.331	0.041	0.073	0.335	0.538	0.553	0.030	0.402	0.739	0.899	0.696	0.914
WCDMA B2	ANT0	Front Side 15mm	0.152	0.033	0.062	0.149	0.060	0.157	0.022	0.207	0.363	0.234	0.323	0.331
	ANT0	Back Side 15mm	0.261	0.041	0.073	0.335	0.538	0.553	0.030	0.332	0.669	0.829	0.626	0.844
WCDMA B4	ANT1	Front Side 15mm	0.228	0.033	0.062	0.149	0.060	0.157	0.022	0.283	0.439	0.310	0.399	0.407
	ANT1	Back Side 15mm	0.291	0.041	0.073	0.335	0.538	0.553	0.030	0.362	0.699	0.859	0.656	0.874
WCDMA B4	ANT0	Front Side 15mm	0.192	0.033	0.062	0.149	0.060	0.157	0.022	0.247	0.403	0.274	0.363	0.371
	ANT0	Back Side 15mm	0.249	0.041	0.073	0.335	0.538	0.553	0.030	0.320	0.657	0.817	0.614	0.832
WCDMA B5	ANT1	Front Side 15mm	0.159	0.033	0.062	0.149	0.060	0.157	0.022	0.214	0.370	0.241	0.330	0.338
	ANT1	Back Side 15mm	0.178	0.041	0.073	0.335	0.538	0.553	0.030	0.249	0.586	0.746	0.543	0.761
WCDMA B5	ANT0	Front Side 15mm	0.151	0.033	0.062	0.149	0.060	0.157	0.022	0.206	0.362	0.233	0.322	0.330
	ANT0	Back Side 15mm	0.155	0.041	0.073	0.335	0.538	0.553	0.030	0.226	0.563	0.723	0.520	0.738
LTE B2	ANT1	Front Side 15mm	0.233	0.033	0.062	0.149	0.060	0.157	0.022	0.288	0.444	0.315	0.404	0.412
	ANT1	Back Side 15mm	0.355	0.041	0.073	0.335	0.538	0.553	0.030	0.426	0.763	0.923	0.720	0.938
LTE B2	ANT0	Front Side 15mm	0.170	0.033	0.062	0.149	0.060	0.157	0.022	0.225	0.381	0.252	0.341	0.349
	ANT0	Back Side 15mm	0.270	0.041	0.073	0.335	0.538	0.553	0.030	0.341	0.678	0.838	0.635	0.853
LTE B4	ANT1	Front Side 15mm	0.187	0.033	0.062	0.149	0.060	0.157	0.022	0.242	0.398	0.269	0.358	0.366
	ANT1	Back Side 15mm	0.380	0.041	0.073	0.335	0.538	0.553	0.030	0.451	0.788	0.948	0.745	0.963
LTE B4	ANT0	Front Side 15mm	0.244	0.033	0.062	0.149	0.060	0.157	0.022	0.299	0.455	0.326	0.415	0.423
	ANT0	Back Side 15mm	0.244	0.041	0.073	0.335	0.538	0.553	0.030	0.315	0.652	0.812	0.609	0.827
LTE B5	ANT1	Front Side 15mm	0.133	0.033	0.062	0.149	0.060	0.157	0.022	0.188	0.344	0.215	0.304	0.312
	ANT1	Back Side 15mm	0.141	0.041	0.073	0.335	0.538	0.553	0.030	0.212	0.549	0.709	0.506	0.724
LTE B5	ANT0	Front Side 15mm	0.156	0.033	0.062	0.149	0.060	0.157	0.022	0.211	0.367	0.238	0.327	0.335
	ANT0	Back Side 15mm	0.158	0.041	0.073	0.335	0.538	0.553	0.030	0.229	0.566	0.726	0.523	0.741
LTE B7	ANT1	Front Side 15mm	0.083	0.033	0.062	0.149	0.060	0.157	0.022	0.138	0.294	0.165	0.254	0.262
	ANT1	Back Side 15mm	0.215	0.041	0.073	0.335	0.538	0.553	0.030	0.286	0.623	0.783	0.580	0.798
LTE B7	ANT0	Front Side 15mm	0.148	0.033	0.062	0.149	0.060	0.157	0.022	0.203	0.359	0.230	0.319	0.327
	ANT0	Back Side 15mm	0.212	0.041	0.073	0.335	0.538	0.553	0.030	0.283	0.620	0.780	0.577	0.795

LTE B12	ANT1	Front Side 15mm	0.228	0.033	0.062	0.149	0.060	0.157	0.022	0.283	0.439	0.310	0.399	0.407
	ANT1	Back Side 15mm	0.262	0.041	0.073	0.335	0.538	0.553	0.030	0.333	0.670	0.830	0.627	0.845
LTE B12	ANT0	Front Side 15mm	0.086	0.033	0.062	0.149	0.060	0.157	0.022	0.141	0.297	0.168	0.257	0.265
	ANT0	Back Side 15mm	0.105	0.041	0.073	0.335	0.538	0.553	0.030	0.176	0.513	0.673	0.470	0.688
LTE B38	ANT1	Front Side 15mm	0.104	0.033	0.062	0.149	0.060	0.157	0.022	0.159	0.315	0.186	0.275	0.283
	ANT1	Back Side 15mm	0.252	0.041	0.073	0.335	0.538	0.553	0.030	0.323	0.660	0.820	0.617	0.835
LTE B38	ANT0	Front Side 15mm	0.117	0.033	0.062	0.149	0.060	0.157	0.022	0.172	0.328	0.199	0.288	0.296
	ANT0	Back Side 15mm	0.174	0.041	0.073	0.335	0.538	0.553	0.030	0.245	0.582	0.742	0.539	0.757
LTE B41	ANT1	Front Side 15mm	0.072	0.033	0.062	0.149	0.060	0.157	0.022	0.127	0.283	0.154	0.243	0.251
	ANT1	Back Side 15mm	0.191	0.041	0.073	0.335	0.538	0.553	0.030	0.262	0.599	0.759	0.556	0.774
LTE B41	ANT0	Front Side 15mm	0.141	0.033	0.062	0.149	0.060	0.157	0.022	0.196	0.352	0.223	0.312	0.320
	ANT0	Back Side 15mm	0.143	0.041	0.073	0.335	0.538	0.553	0.030	0.214	0.551	0.711	0.508	0.726
5G N5	ANT1	Front Side 15mm	0.123	0.033	0.062	0.149	0.060	0.157	0.022	0.178	0.334	0.205	0.294	0.302
	ANT1	Back Side 15mm	0.169	0.041	0.073	0.335	0.538	0.553	0.030	0.240	0.577	0.737	0.534	0.752
5G N5	ANT0	Front Side 15mm	0.076	0.033	0.062	0.149	0.060	0.157	0.022	0.131	0.287	0.158	0.247	0.255
	ANT0	Back Side 15mm	0.114	0.041	0.073	0.335	0.538	0.553	0.030	0.185	0.522	0.682	0.479	0.697
5G N7	ANT1	Front Side 15mm	0.082	0.033	0.062	0.149	0.060	0.157	0.022	0.137	0.293	0.164	0.253	0.261
	ANT1	Back Side 15mm	0.209	0.041	0.073	0.335	0.538	0.553	0.030	0.280	0.617	0.777	0.574	0.792
5G N7	ANT0	Front Side 15mm	0.084	0.033	0.062	0.149	0.060	0.157	0.022	0.139	0.295	0.166	0.255	0.263
	ANT0	Back Side 15mm	0.244	0.041	0.073	0.335	0.538	0.553	0.030	0.315	0.652	0.812	0.609	0.827
5G N38	ANT1	Front Side 15mm	0.073	0.033	0.062	0.149	0.060	0.157	0.022	0.128	0.284	0.155	0.244	0.252
	ANT1	Back Side 15mm	0.306	0.041	0.073	0.335	0.538	0.553	0.030	0.377	0.714	0.874	0.671	0.889
5G N38	ANT0	Front Side 15mm	0.073	0.033	0.062	0.149	0.060	0.157	0.022	0.128	0.284	0.155	0.244	0.252
	ANT0	Back Side 15mm	0.253	0.041	0.073	0.335	0.538	0.553	0.030	0.324	0.661	0.821	0.618	0.836
5G N41	ANT1	Front Side 15mm	0.085	0.033	0.062	0.149	0.060	0.157	0.022	0.140	0.296	0.167	0.256	0.264
	ANT1	Back Side 15mm	0.239	0.041	0.073	0.335	0.538	0.553	0.030	0.310	0.647	0.807	0.604	0.822
5G N41	ANT0	Front Side 15mm	0.079	0.033	0.062	0.149	0.060	0.157	0.022	0.134	0.290	0.161	0.250	0.258
	ANT0	Back Side 15mm	0.234	0.041	0.073	0.335	0.538	0.553	0.030	0.305	0.642	0.802	0.599	0.817

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 0.995 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.7 Body-worn Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

EN-DC Configuration	LTE ANT	NR ANT	Position	Stand alone SAR										SUM SAR				
				1		2	3	4	5	6	7	8	9					
				LTE	LTE Scaled SAR	NR	EN_DC	2.4G WIFI Ant.2	2.4G WIFI Ant.7	Max.5G WIFI Ant.2	Max.5G WIFI Ant.7	Max.5G WIFI Ant.2&7	Bluetooth	Sum SAR (3+4+9)	Sum SAR (3+5+6)	Sum SAR (3+7+9)	Sum SAR (3+6+9)	Sum SAR (3+8+9)
DC_7A_n5A	ANT4	ANT0	Front Side 15mm	0.020	0.020	0.076	0.096	0.033	0.062	0.149	0.060	0.157	0.022	0.151	0.307	0.178	0.267	0.275
			Back Side 15mm	0.038	0.038	0.114	0.152	0.041	0.073	0.335	0.538	0.553	0.030	0.223	0.560	0.720	0.517	0.735
	ANT4	ANT1	Front Side 15mm	0.020	0.020	0.077	0.097	0.033	0.062	0.149	0.060	0.157	0.022	0.152	0.308	0.179	0.268	0.276
			Back Side 15mm	0.038	0.038	0.103	0.141	0.041	0.073	0.335	0.538	0.553	0.030	0.212	0.549	0.709	0.506	0.724
	ANT1	ANT0	Front Side 15mm	0.083	0.044	0.076	0.119	0.033	0.062	0.149	0.060	0.157	0.022	0.174	0.330	0.201	0.290	0.298
			Back Side 15mm	0.215	0.113	0.114	0.227	0.041	0.073	0.335	0.538	0.553	0.030	0.298	0.635	0.795	0.592	0.810
DC_5A_n7A	ANT0	ANT4	Front Side 15mm	0.156	0.156	0.022	0.178	0.033	0.062	0.149	0.060	0.157	0.022	0.233	0.389	0.260	0.349	0.357
			Back Side 15mm	0.158	0.158	0.119	0.277	0.041	0.073	0.335	0.538	0.553	0.030	0.348	0.685	0.845	0.642	**0.860**
	ANT0	ANT1	Front Side 15mm	0.156	0.156	0.029	0.185	0.033	0.062	0.149	0.060	0.157	0.022	0.240	0.396	0.267	0.356	0.364
			Back Side 15mm	0.158	0.158	0.075	0.233	0.041	0.073	0.335	0.538	0.553	0.030	0.304	0.641	0.801	0.598	0.816
	ANT1	ANT4	Front Side 15mm	0.133	0.101	0.022	0.123	0.033	0.062	0.149	0.060	0.157	0.022	0.178	0.334	0.205	0.294	0.302
			Back Side 15mm	0.141	0.107	0.119	0.226	0.041	0.073	0.335	0.538	0.553	0.030	0.297	0.634	0.794	0.591	0.809

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 Combined 1g SAR is 0.86 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.8 Body-worn Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

EN-DC Configuratoin	LTE ANT	NR ANT	Position	Stand alone SAR			
				1		2	3
				LTE	LTE Scaled SAR	NR	EN_DC
DC_7A_n5A	ANT4	ANT0	Front Side 15mm	0.020	0.020	0.076	0.096
			Back Side 15mm	0.038	0.038	0.114	0.152
	ANT4	ANT1	Front Side 15mm	0.020	0.020	0.077	0.097
			Back Side 15mm	0.038	0.038	0.103	0.141
	ANT1	ANT0	Front Side 15mm	0.083	0.044	0.076	0.119
			Back Side 15mm	0.215	0.113	0.114	0.227
DC_5A_n7A	ANT0	ANT4	Front Side 15mm	0.156	0.156	0.022	0.178
			Back Side 15mm	0.158	0.158	0.119	0.277
	ANT0	ANT1	Front Side 15mm	0.156	0.156	0.029	0.185
			Back Side 15mm	0.158	0.158	0.075	0.233
	ANT1	ANT4	Front Side 15mm	0.133	0.101	0.022	0.123
			Back Side 15mm	0.141	0.107	0.119	0.226

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 Combined 1g SAR is 0.277 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.9 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR							SUM SAR				
			1	2	3	4	5	6	7					
			WWAN	2.4G WIFI Ant.2	2.4G WIFI Ant.7	Max.5G WIFI Ant.2	Max.5G WIFI Ant.7	Max.5G WIFI Ant.2&7	Bluetooth	Sum SAR (1+2+7)	Sum SAR (1+3+4)	Sum SAR (1+5+7)	Sum SAR (1+4+7)	Sum SAR (1+6+7)
GSM850	ANT1	Front Side 10mm	0.263	0.032	0.119	0.245	0.090	0.288	0.058	0.353	0.627	0.411	0.566	0.609
	ANT1	Back Side 10mm	0.266	0.089	0.159	0.312	0.374	0.500	0.078	0.433	0.737	0.718	0.656	0.844
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.167	0.000	0.000	0.000	0.000	0.000	0.000	0.167	0.167	0.167	0.167	0.167
	ANT1	Top Edge 10mm	0.229	0.025	0.173	0.224	0.059	0.315	0.083	0.337	0.626	0.371	0.536	0.627
GSM850	ANT0	Front Side 10mm	0.209	0.032	0.119	0.245	0.090	0.288	0.058	0.299	0.573	0.357	0.512	0.555
	ANT0	Back Side 10mm	0.232	0.089	0.159	0.312	0.374	0.500	0.078	0.399	0.703	0.684	0.622	0.810
	ANT0	Left Edge 10mm	0.122	0.038	0.081	0.458	0.440	0.475	0.052	0.212	0.661	0.614	0.632	0.649
	ANT0	Right Edge 10mm	0.193	0.000	0.000	0.000	0.000	0.000	0.000	0.193	0.193	0.193	0.193	0.193
	ANT0	Bottom Edge 10mm	0.245	0.000	0.000	0.000	0.000	0.000	0.000	0.245	0.245	0.245	0.245	0.245
GSM1900	ANT1	Front Side 10mm	0.480	0.032	0.119	0.245	0.090	0.288	0.058	0.570	0.844	0.628	0.783	0.826
	ANT1	Back Side 10mm	0.705	0.089	0.159	0.312	0.374	0.500	0.078	0.872	1.176	1.157	1.095	1.283
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.116	0.000	0.000	0.000	0.000	0.000	0.000	0.116	0.116	0.116	0.116	0.116
	ANT1	Top Edge 10mm	1.185	0.025	0.173	0.224	0.059	0.315	0.083	1.293	1.582	1.327	1.492	**1.583**
GSM1900	ANT0	Front Side 10mm	0.231	0.032	0.119	0.245	0.090	0.288	0.058	0.321	0.595	0.379	0.534	0.577
	ANT0	Back Side 10mm	0.367	0.089	0.159	0.312	0.374	0.500	0.078	0.534	0.838	0.819	0.757	0.945
	ANT0	Left Edge 10mm	0.103	0.038	0.081	0.458	0.440	0.475	0.052	0.193	0.642	0.595	0.613	0.630
	ANT0	Right Edge 10mm	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012	0.012	0.012	0.012
	ANT0	Bottom Edge 10mm	0.631	0.000	0.000	0.000	0.000	0.000	0.000	0.631	0.631	0.631	0.631	0.631
WCDMA B2	ANT1	Front Side 10mm	0.379	0.032	0.119	0.245	0.090	0.288	0.058	0.469	0.743	0.527	0.682	0.725
	ANT1	Back Side 10mm	0.780	0.089	0.159	0.312	0.374	0.500	0.078	0.947	1.251	1.232	1.170	1.358
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.080	0.080	0.080	0.080
	ANT1	Top Edge 10mm	1.026	0.025	0.173	0.224	0.059	0.315	0.083	1.134	1.423	1.168	1.333	1.424
WCDMA B2	ANT0	Front Side 10mm	0.297	0.032	0.119	0.245	0.090	0.288	0.058	0.387	0.661	0.445	0.600	0.643
	ANT0	Back Side 10mm	0.473	0.089	0.159	0.312	0.374	0.500	0.078	0.640	0.944	0.925	0.863	1.051
	ANT0	Left Edge 10mm	0.117	0.038	0.081	0.458	0.440	0.475	0.052	0.207	0.656	0.609	0.627	0.644
	ANT0	Right Edge 10mm	0.057	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.057	0.057	0.057	0.057
	ANT0	Bottom Edge 10mm	0.708	0.000	0.000	0.000	0.000	0.000	0.000	0.708	0.708	0.708	0.708	0.708
WCDMA B4	ANT1	Front Side 10mm	0.344	0.032	0.119	0.245	0.090	0.288	0.058	0.434	0.708	0.492	0.647	0.690
	ANT1	Back Side 10mm	0.593	0.089	0.159	0.312	0.374	0.500	0.078	0.760	1.064	1.045	0.983	1.171
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.083	0.000	0.000	0.000	0.000	0.000	0.000	0.083	0.083	0.083	0.083	0.083
	ANT1	Top Edge 10mm	0.756	0.025	0.173	0.224	0.059	0.315	0.083	0.864	1.153	0.898	1.063	1.154

WCDMA B4	ANT0	Front Side 10mm	0.331	0.032	0.119	0.245	0.090	0.288	0.058	0.421	0.695	0.479	0.634	0.677
	ANT0	Back Side 10mm	0.428	0.089	0.159	0.312	0.374	0.500	0.078	0.595	0.899	0.880	0.818	1.006
	ANT0	Left Edge 10mm	0.106	0.038	0.081	0.458	0.440	0.475	0.052	0.196	0.645	0.598	0.616	0.633
	ANT0	Right Edge 10mm	0.065	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.065	0.065	0.065	0.065
	ANT0	Bottom Edge 10mm	0.699	0.000	0.000	0.000	0.000	0.000	0.000	0.699	0.699	0.699	0.699	0.699
WCDMA B5	ANT1	Front Side 10mm	0.284	0.032	0.119	0.245	0.090	0.288	0.058	0.374	0.648	0.432	0.587	0.630
	ANT1	Back Side 10mm	0.391	0.089	0.159	0.312	0.374	0.500	0.078	0.558	0.862	0.843	0.781	0.969
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.150	0.150	0.150	0.150	0.150
	ANT1	Top Edge 10mm	0.245	0.025	0.173	0.224	0.059	0.315	0.083	0.353	0.642	0.387	0.552	0.643
WCDMA B5	ANT0	Front Side 10mm	0.182	0.032	0.119	0.245	0.090	0.288	0.058	0.272	0.546	0.330	0.485	0.528
	ANT0	Back Side 10mm	0.207	0.089	0.159	0.312	0.374	0.500	0.078	0.374	0.678	0.659	0.597	0.785
	ANT0	Left Edge 10mm	0.109	0.038	0.081	0.458	0.440	0.475	0.052	0.199	0.648	0.601	0.619	0.636
	ANT0	Right Edge 10mm	0.206	0.000	0.000	0.000	0.000	0.000	0.000	0.206	0.206	0.206	0.206	0.206
	ANT0	Bottom Edge 10mm	0.229	0.000	0.000	0.000	0.000	0.000	0.000	0.229	0.229	0.229	0.229	0.229
LTE B2	ANT1	Front Side 10mm	0.370	0.032	0.119	0.245	0.090	0.288	0.058	0.460	0.734	0.518	0.673	0.716
	ANT1	Back Side 10mm	0.600	0.089	0.159	0.312	0.374	0.500	0.078	0.767	1.071	1.052	0.990	1.178
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.102	0.000	0.000	0.000	0.000	0.000	0.000	0.102	0.102	0.102	0.102	0.102
	ANT1	Top Edge 10mm	0.953	0.025	0.173	0.224	0.059	0.315	0.083	1.061	1.350	1.095	1.260	1.351
LTE B2	ANT0	Front Side 10mm	0.306	0.032	0.119	0.245	0.090	0.288	0.058	0.396	0.670	0.454	0.609	0.652
	ANT0	Back Side 10mm	0.495	0.089	0.159	0.312	0.374	0.500	0.078	0.662	0.966	0.947	0.885	1.073
	ANT0	Left Edge 10mm	0.143	0.038	0.081	0.458	0.440	0.475	0.052	0.233	0.682	0.635	0.653	0.670
	ANT0	Right Edge 10mm	0.070	0.000	0.000	0.000	0.000	0.000	0.000	0.070	0.070	0.070	0.070	0.070
	ANT0	Bottom Edge 10mm	0.840	0.000	0.000	0.000	0.000	0.000	0.000	0.840	0.840	0.840	0.840	0.840
LTE B4	ANT1	Front Side 10mm	0.376	0.032	0.119	0.245	0.090	0.288	0.058	0.466	0.740	0.524	0.679	0.722
	ANT1	Back Side 10mm	0.626	0.089	0.159	0.312	0.374	0.500	0.078	0.793	1.097	1.078	1.016	1.204
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.027	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.027	0.027	0.027	0.027
	ANT1	Top Edge 10mm	0.719	0.025	0.173	0.224	0.059	0.315	0.083	0.827	1.116	0.861	1.026	1.117
LTE B4	ANT0	Front Side 10mm	0.336	0.032	0.119	0.245	0.090	0.288	0.058	0.426	0.700	0.484	0.639	0.682
	ANT0	Back Side 10mm	0.451	0.089	0.159	0.312	0.374	0.500	0.078	0.618	0.922	0.903	0.841	1.029
	ANT0	Left Edge 10mm	0.097	0.038	0.081	0.458	0.440	0.475	0.052	0.187	0.636	0.589	0.607	0.624
	ANT0	Right Edge 10mm	0.059	0.000	0.000	0.000	0.000	0.000	0.000	0.059	0.059	0.059	0.059	0.059
	ANT0	Bottom Edge 10mm	0.710	0.000	0.000	0.000	0.000	0.000	0.000	0.710	0.710	0.710	0.710	0.710
LTE B5	ANT1	Front Side 10mm	0.283	0.032	0.119	0.245	0.090	0.288	0.058	0.373	0.647	0.431	0.586	0.629
	ANT1	Back Side 10mm	0.331	0.089	0.159	0.312	0.374	0.500	0.078	0.498	0.802	0.783	0.721	0.909
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.136	0.000	0.000	0.000	0.000	0.000	0.000	0.136	0.136	0.136	0.136	0.136
	ANT1	Top Edge 10mm	0.273	0.025	0.173	0.224	0.059	0.315	0.083	0.381	0.670	0.415	0.580	0.671
LTE B5	ANT0	Front Side 10mm	0.178	0.032	0.119	0.245	0.090	0.288	0.058	0.268	0.542	0.326	0.481	0.524
	ANT0	Back Side 10mm	0.206	0.089	0.159	0.312	0.374	0.500	0.078	0.373	0.677	0.658	0.596	0.784
	ANT0	Left Edge 10mm	0.115	0.038	0.081	0.458	0.440	0.475	0.052	0.205	0.654	0.607	0.625	0.642

	ANT0	Right Edge 10mm	0.199	0.000	0.000	0.000	0.000	0.000	0.000	0.199	0.199	0.199	0.199	0.199
	ANT0	Bottom Edge 10mm	0.227	0.000	0.000	0.000	0.000	0.000	0.000	0.227	0.227	0.227	0.227	0.227
LTE B7	ANT1	Front Side 10mm	0.130	0.032	0.119	0.245	0.090	0.288	0.058	0.220	0.494	0.278	0.433	0.476
	ANT1	Back Side 10mm	0.378	0.089	0.159	0.312	0.374	0.500	0.078	0.545	0.849	0.830	0.768	0.956
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.263	0.000	0.000	0.000	0.000	0.000	0.000	0.263	0.263	0.263	0.263	0.263
	ANT1	Top Edge 10mm	0.316	0.025	0.173	0.224	0.059	0.315	0.083	0.424	0.713	0.458	0.623	0.714
LTE B7	ANT0	Front Side 10mm	0.259	0.032	0.119	0.245	0.090	0.288	0.058	0.349	0.623	0.407	0.562	0.605
	ANT0	Back Side 10mm	0.356	0.089	0.159	0.312	0.374	0.500	0.078	0.523	0.827	0.808	0.746	0.934
	ANT0	Left Edge 10mm	0.175	0.038	0.081	0.458	0.440	0.475	0.052	0.265	0.714	0.667	0.685	0.702
	ANT0	Right Edge 10mm	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.060	0.060	0.060	0.060
	ANT0	Bottom Edge 10mm	0.325	0.000	0.000	0.000	0.000	0.000	0.000	0.325	0.325	0.325	0.325	0.325
LTE B12	ANT1	Front Side 10mm	0.205	0.032	0.119	0.245	0.090	0.288	0.058	0.295	0.569	0.353	0.508	0.551
	ANT1	Back Side 10mm	0.236	0.089	0.159	0.312	0.374	0.500	0.078	0.403	0.707	0.688	0.626	0.814
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.245	0.000	0.000	0.000	0.000	0.000	0.000	0.245	0.245	0.245	0.245	0.245
	ANT1	Top Edge 10mm	0.169	0.025	0.173	0.224	0.059	0.315	0.083	0.277	0.566	0.311	0.476	0.567
LTE B12	ANT0	Front Side 10mm	0.082	0.032	0.119	0.245	0.090	0.288	0.058	0.172	0.446	0.230	0.385	0.428
	ANT0	Back Side 10mm	0.126	0.089	0.159	0.312	0.374	0.500	0.078	0.293	0.597	0.578	0.516	0.704
	ANT0	Left Edge 10mm	0.057	0.038	0.081	0.458	0.440	0.475	0.052	0.147	0.596	0.549	0.567	0.584
	ANT0	Right Edge 10mm	0.124	0.000	0.000	0.000	0.000	0.000	0.000	0.124	0.124	0.124	0.124	0.124
	ANT0	Bottom Edge 10mm	0.095	0.000	0.000	0.000	0.000	0.000	0.000	0.095	0.095	0.095	0.095	0.095
LTE B38	ANT1	Front Side 10mm	0.185	0.032	0.119	0.245	0.090	0.288	0.058	0.275	0.549	0.333	0.488	0.531
	ANT1	Back Side 10mm	0.487	0.089	0.159	0.312	0.374	0.500	0.078	0.654	0.958	0.939	0.877	1.065
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.270	0.000	0.000	0.000	0.000	0.000	0.000	0.270	0.270	0.270	0.270	0.270
	ANT1	Top Edge 10mm	0.397	0.025	0.173	0.224	0.059	0.315	0.083	0.505	0.794	0.539	0.704	0.795
LTE B38	ANT0	Front Side 10mm	0.206	0.032	0.119	0.245	0.090	0.288	0.058	0.296	0.570	0.354	0.509	0.552
	ANT0	Back Side 10mm	0.348	0.089	0.159	0.312	0.374	0.500	0.078	0.515	0.819	0.800	0.738	0.926
	ANT0	Left Edge 10mm	0.119	0.038	0.081	0.458	0.440	0.475	0.052	0.209	0.658	0.611	0.629	0.646
	ANT0	Right Edge 10mm	0.058	0.000	0.000	0.000	0.000	0.000	0.000	0.058	0.058	0.058	0.058	0.058
	ANT0	Bottom Edge 10mm	0.170	0.000	0.000	0.000	0.000	0.000	0.000	0.170	0.170	0.170	0.170	0.170
LTE B41	ANT1	Front Side 10mm	0.143	0.032	0.119	0.245	0.090	0.288	0.058	0.233	0.507	0.291	0.446	0.489
	ANT1	Back Side 10mm	0.362	0.089	0.159	0.312	0.374	0.500	0.078	0.529	0.833	0.814	0.752	0.940
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.246	0.000	0.000	0.000	0.000	0.000	0.000	0.246	0.246	0.246	0.246	0.246
	ANT1	Top Edge 10mm	0.200	0.025	0.173	0.224	0.059	0.315	0.083	0.308	0.597	0.342	0.507	0.598
LTE B41	ANT0	Front Side 10mm	0.206	0.032	0.119	0.245	0.090	0.288	0.058	0.296	0.570	0.354	0.509	0.552
	ANT0	Back Side 10mm	0.347	0.089	0.159	0.312	0.374	0.500	0.078	0.514	0.818	0.799	0.737	0.925
	ANT0	Left Edge 10mm	0.112	0.038	0.081	0.458	0.440	0.475	0.052	0.202	0.651	0.604	0.622	0.639
	ANT0	Right Edge 10mm	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.052	0.052	0.052	0.052
	ANT0	Bottom Edge 10mm	0.168	0.000	0.000	0.000	0.000	0.000	0.000	0.168	0.168	0.168	0.168	0.168
5G N5	ANT1	Front Side 10mm	0.177	0.032	0.119	0.245	0.090	0.288	0.058	0.267	0.541	0.325	0.480	0.523

	ANT1	Back Side 10mm	0.310	0.089	0.159	0.312	0.374	0.500	0.078	0.477	0.781	0.762	0.700	0.888
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.128	0.000	0.000	0.000	0.000	0.000	0.000	0.128	0.128	0.128	0.128	0.128
	ANT1	Top Edge 10mm	0.143	0.025	0.173	0.224	0.059	0.315	0.083	0.251	0.540	0.285	0.450	0.541
5G N5	ANT0	Front Side 10mm	0.109	0.032	0.119	0.245	0.090	0.288	0.058	0.199	0.473	0.257	0.412	0.455
	ANT0	Back Side 10mm	0.127	0.089	0.159	0.312	0.374	0.500	0.078	0.294	0.598	0.579	0.517	0.705
	ANT0	Left Edge 10mm	0.025	0.038	0.081	0.458	0.440	0.475	0.052	0.115	0.564	0.517	0.535	0.552
	ANT0	Right Edge 10mm	0.086	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.086	0.086	0.086	0.086
	ANT0	Bottom Edge 10mm	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.196	0.196	0.196	0.196	0.196
5G N7	ANT1	Front Side 10mm	0.131	0.032	0.119	0.245	0.090	0.288	0.058	0.221	0.495	0.279	0.434	0.477
	ANT1	Back Side 10mm	0.509	0.089	0.159	0.312	0.374	0.500	0.078	0.676	0.980	0.961	0.899	1.087
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.400	0.400	0.400	0.400	0.400
	ANT1	Top Edge 10mm	0.340	0.025	0.173	0.224	0.059	0.315	0.083	0.448	0.737	0.482	0.647	0.738
5G N7	ANT0	Front Side 10mm	0.135	0.032	0.119	0.245	0.090	0.288	0.058	0.225	0.499	0.283	0.438	0.481
	ANT0	Back Side 10mm	0.274	0.089	0.159	0.312	0.374	0.500	0.078	0.441	0.745	0.726	0.664	0.852
	ANT0	Left Edge 10mm	0.100	0.038	0.081	0.458	0.440	0.475	0.052	0.190	0.639	0.592	0.610	0.627
	ANT0	Right Edge 10mm	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.021	0.021	0.021	0.021
	ANT0	Bottom Edge 10mm	0.267	0.000	0.000	0.000	0.000	0.000	0.000	0.267	0.267	0.267	0.267	0.267
5G N38	ANT1	Front Side 10mm	0.179	0.032	0.119	0.245	0.090	0.288	0.058	0.269	0.543	0.327	0.482	0.525
	ANT1	Back Side 10mm	0.623	0.089	0.159	0.312	0.374	0.500	0.078	0.790	1.094	1.075	1.013	1.201
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.368	0.000	0.000	0.000	0.000	0.000	0.000	0.368	0.368	0.368	0.368	0.368
	ANT1	Top Edge 10mm	0.390	0.025	0.173	0.224	0.059	0.315	0.083	0.498	0.787	0.532	0.697	0.788
5G N38	ANT0	Front Side 10mm	0.162	0.032	0.119	0.245	0.090	0.288	0.058	0.252	0.526	0.310	0.465	0.508
	ANT0	Back Side 10mm	0.285	0.089	0.159	0.312	0.374	0.500	0.078	0.452	0.756	0.737	0.675	0.863
	ANT0	Left Edge 10mm	0.204	0.038	0.081	0.458	0.440	0.475	0.052	0.294	0.743	0.696	0.714	0.731
	ANT0	Right Edge 10mm	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.037	0.037	0.037	0.037
	ANT0	Bottom Edge 10mm	0.233	0.000	0.000	0.000	0.000	0.000	0.000	0.233	0.233	0.233	0.233	0.233
5G N41	ANT1	Front Side 10mm	0.135	0.032	0.119	0.245	0.090	0.288	0.058	0.225	0.499	0.283	0.438	0.481
	ANT1	Back Side 10mm	0.332	0.089	0.159	0.312	0.374	0.500	0.078	0.499	0.803	0.784	0.722	0.910
	ANT1	Left Edge 10mm	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
	ANT1	Right Edge 10mm	0.266	0.000	0.000	0.000	0.000	0.000	0.000	0.266	0.266	0.266	0.266	0.266
	ANT1	Top Edge 10mm	0.360	0.025	0.173	0.224	0.059	0.315	0.083	0.468	0.757	0.502	0.667	0.758
5G N41	ANT0	Front Side 10mm	0.115	0.032	0.119	0.245	0.090	0.288	0.058	0.205	0.479	0.263	0.418	0.461
	ANT0	Back Side 10mm	0.214	0.089	0.159	0.312	0.374	0.500	0.078	0.381	0.685	0.666	0.604	0.792
	ANT0	Left Edge 10mm	0.138	0.038	0.081	0.458	0.440	0.475	0.052	0.228	0.677	0.630	0.648	0.665
	ANT0	Right Edge 10mm	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.028	0.028	0.028	0.028
	ANT0	Bottom Edge 10mm	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200	0.200	0.200

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 1.583 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.10 Hotspot Simultaneous Transmission SAR Evaluation for ENDC Antenna with WLAN and Bluetooth

EN-DC Configuration	LTE ANT	NR ANT	Position	Stand alone SAR										SUM SAR				
				1		2	3	4	5	6	7	8	9					
				LTE	LTE Scaled SAR	NR	EN_DC	2.4G WIFI Ant.2	2.4G WIFI Ant.7	Max.5G WIFI Ant.2	Max.5G WIFI Ant.7	Max.5G WIFI Ant.2&7	Bluetooth	Sum SAR (3+4+9)	Sum SAR (3+5+6)	Sum SAR (3+7+9)	Sum SAR (3+6+9)	Sum SAR (3+8+9)
DC_7A_n5A	ANT4	ANT0	Front Side 10mm	0.060	0.060	0.109	0.169	0.032	0.119	0.245	0.090	0.288	0.058	0.259	0.533	0.317	0.472	0.515
			Back Side 10mm	0.171	0.171	0.127	0.298	0.089	0.159	0.312	0.374	0.500	0.078	0.465	0.769	0.750	0.688	0.876
			Left Edge 10mm	0.000	0.000	0.025	0.025	0.038	0.081	0.458	0.440	0.475	0.052	0.115	0.564	0.517	0.535	0.552
			Right Edge 10mm	0.155	0.155	0.086	0.241	0.000	0.000	0.000	0.000	0.000	0.000	0.241	0.241	0.241	0.241	0.241
			Top Edge 10mm	0.128	0.128	0.000	0.128	0.025	0.173	0.224	0.059	0.356	0.083	0.236	0.525	0.270	0.435	0.567
			Bottom Edge 10mm	0.000	0.000	0.196	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.196	0.196	0.196	0.196	0.196
	ANT4	ANT1	Front Side 10mm	0.060	0.060	0.133	0.193	0.032	0.119	0.245	0.090	0.288	0.058	0.283	0.557	0.341	0.496	0.539
			Back Side 10mm	0.171	0.171	0.154	0.325	0.089	0.159	0.312	0.374	0.500	0.078	0.492	0.796	0.777	0.715	0.903
			Left Edge 10mm	0.000	0.000	0.000	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
			Right Edge 10mm	0.155	0.155	0.096	0.251	0.000	0.000	0.000	0.000	0.000	0.000	0.251	0.251	0.251	0.251	0.251
			Top Edge 10mm	0.128	0.128	0.108	0.236	0.025	0.173	0.224	0.059	0.356	0.083	0.344	0.633	0.378	0.543	0.675
			Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	ANT1	ANT0	Front Side 10mm	0.130	0.068	0.109	0.178	0.032	0.119	0.245	0.090	0.288	0.058	0.268	0.542	0.326	0.481	0.524
			Back Side 10mm	0.378	0.198	0.127	0.326	0.089	0.159	0.312	0.374	0.500	0.078	0.493	0.797	0.778	0.716	0.904
			Left Edge 10mm	0.000	0.000	0.025	0.025	0.038	0.081	0.458	0.440	0.475	0.052	0.115	0.564	0.517	0.535	0.552
			Right Edge 10mm	0.263	0.138	0.086	0.224	0.000	0.000	0.000	0.000	0.000	0.000	0.224	0.224	0.224	0.224	0.224
			Top Edge 10mm	0.316	0.166	0.000	0.166	0.025	0.173	0.224	0.059	0.356	0.083	0.274	0.563	0.308	0.473	0.605
			Bottom Edge 10mm	0.000	0.000	0.196	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.196	0.196	0.196	0.196	0.196
DC_5A_n7A	ANT0	ANT4	Front Side 10mm	0.178	0.178	0.071	0.249	0.032	0.119	0.245	0.090	0.288	0.058	0.339	0.613	0.397	0.552	0.595
			Back Side 10mm	0.206	0.206	0.212	0.418	0.089	0.159	0.312	0.374	0.500	0.078	0.585	0.889	0.870	0.808	0.996
			Left Edge 10mm	0.115	0.115	0.000	0.115	0.038	0.081	0.458	0.440	0.475	0.052	0.205	0.654	0.607	0.625	0.642
			Right Edge 10mm	0.199	0.199	0.132	0.331	0.000	0.000	0.000	0.000	0.000	0.000	0.331	0.331	0.331	0.331	0.331
			Top Edge 10mm	0.000	0.000	0.181	0.181	0.025	0.173	0.224	0.059	0.356	0.083	0.289	0.578	0.323	0.488	0.620
			Bottom Edge 10mm	0.227	0.227	0.000	0.227	0.000	0.000	0.000	0.000	0.000	0.000	0.227	0.227	0.227	0.227	0.227
	ANT0	ANT1	Front Side 10mm	0.178	0.178	0.050	0.228	0.032	0.119	0.245	0.090	0.288	0.058	0.318	0.592	0.376	0.531	0.574
			Back Side 10mm	0.206	0.206	0.194	0.400	0.089	0.159	0.312	0.374	0.500	0.078	0.567	0.871	0.852	0.790	0.978
			Left Edge 10mm	0.115	0.115	0.000	0.115	0.038	0.081	0.458	0.440	0.475	0.052	0.205	0.654	0.607	0.625	0.642
			Right Edge 10mm	0.199	0.199	0.153	0.352	0.000	0.000	0.000	0.000	0.000	0.000	0.352	0.352	0.352	0.352	0.352
			Top Edge 10mm	0.000	0.000	0.130	0.130	0.025	0.173	0.224	0.059	0.356	0.083	0.238	0.527	0.272	0.437	0.569
			Bottom Edge 10mm	0.227	0.227	0.000	0.227	0.000	0.000	0.000	0.000	0.000	0.000	0.227	0.227	0.227	0.227	0.227
	ANT1	ANT4	Front Side 10mm	0.283	0.215	0.071	0.286	0.032	0.119	0.245	0.090	0.288	0.058	0.376	0.650	0.434	0.589	0.632
			Back Side 10mm	0.331	0.251	0.212	0.464	0.089	0.159	0.312	0.374	0.500	0.078	0.631	0.935	0.916	0.854	**1.042**
			Left Edge 10mm	0.000	0.000	0.000	0.000	0.038	0.081	0.458	0.440	0.475	0.052	0.090	0.539	0.492	0.510	0.527
			Right Edge 10mm	0.136	0.103	0.132	0.236	0.000	0.000	0.000	0.000	0.000	0.000	0.236	0.236	0.236	0.236	0.236
			Top Edge 10mm	0.273	0.207	0.181	0.388	0.025	0.173	0.224	0.059	0.356	0.083	0.496	0.785	0.530	0.695	0.827

			Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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 1.042 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.11 Hotspot Simultaneous Transmission SAR Evaluation for ENDC Antenna

EN-DC Configuratoin	LTE ANT	NR ANT	Position	Stand alone SAR			
				1		2	3
				LTE	LTE Scaled SAR	NR	EN_DC
DC_7A_n5A	ANT4	ANT0	Front Side 10mm	0.060	0.060	0.109	0.169
			Back Side 10mm	0.171	0.171	0.127	0.298
			Left Edge 10mm	0.000	0.000	0.025	0.025
			Right Edge 10mm	0.155	0.155	0.086	0.241
			Top Edge 10mm	0.128	0.128	0.000	0.128
			Bottom Edge 10mm	0.000	0.000	0.196	0.196
	ANT4	ANT1	Front Side 10mm	0.060	0.060	0.133	0.193
			Back Side 10mm	0.171	0.171	0.154	0.325
			Left Edge 10mm	0.000	0.000	0.000	0.000
			Right Edge 10mm	0.155	0.155	0.096	0.251
			Top Edge 10mm	0.128	0.128	0.108	0.236
			Bottom Edge 10mm	0.000	0.000	0.000	0.000
	ANT1	ANT0	Front Side 10mm	0.130	0.068	0.109	0.178
			Back Side 10mm	0.378	0.198	0.127	0.326
			Left Edge 10mm	0.000	0.000	0.025	0.025
			Right Edge 10mm	0.263	0.138	0.086	0.224
			Top Edge 10mm	0.316	0.166	0.000	0.166
			Bottom Edge 10mm	0.000	0.000	0.196	0.196
DC_5A_n7A	ANT0	ANT4	Front Side 10mm	0.178	0.178	0.071	0.249
			Back Side 10mm	0.206	0.206	0.212	0.418
			Left Edge 10mm	0.115	0.115	0.000	0.115
			Right Edge 10mm	0.199	0.199	0.132	0.331
			Top Edge 10mm	0.000	0.000	0.181	0.181
			Bottom Edge 10mm	0.227	0.227	0.000	0.227
	ANT0	ANT1	Front Side 10mm	0.178	0.178	0.050	0.228
			Back Side 10mm	0.206	0.206	0.194	0.400
			Left Edge 10mm	0.115	0.115	0.000	0.115
			Right Edge 10mm	0.199	0.199	0.153	0.352
			Top Edge 10mm	0.000	0.000	0.130	0.130
			Bottom Edge 10mm	0.227	0.227	0.000	0.227
	ANT1	ANT4	Front Side 10mm	0.283	0.215	0.071	0.286
			Back Side 10mm	0.331	0.251	0.212	**0.464**
			Left Edge 10mm	0.000	0.000	0.000	0.000
			Right Edge 10mm	0.136	0.103	0.132	0.236
			Top Edge 10mm	0.273	0.207	0.181	0.388
			Bottom Edge 10mm	0.000	0.000	0.000	0.000

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 0.464 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.2.12 Specific Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN 5G

Band	Antenna	Position	Stand alone SAR				SUM SAR		
			1	2	3	4			
			WWAN	Max.5GWIFI Ant.2	Max.5GWIFI Ant.7	Max.5GWIFI Ant.2&7	Sum SAR （1+3）	Sum SAR （1+2）	Sum SAR （1+4）
GSM1900	ANT1	Top Edge 0mm	2.613	0.720	0.069	0.979	2.682	3.333	**3.592**
WCDMA B2	ANT1	Back Side 0mm	1.663	0.389	1.130	1.811	2.793	2.052	3.474
	ANT1	Top Edge 0mm	2.461	0.720	0.069	0.979	2.530	3.181	3.440
WCDMA B4	ANT1	Back Side 0mm	0.979	0.389	1.130	1.811	2.109	1.368	2.790
	ANT1	Top Edge 0mm	0.841	0.720	0.069	0.979	0.910	1.561	1.820
LTE B2	ANT1	Back Side 0mm	1.225	0.389	1.130	1.811	2.355	1.614	3.036
	ANT1	Top Edge 0mm	1.970	0.720	0.069	0.979	2.039	2.690	2.949
LTE B4	ANT1	Back Side 0mm	1.002	0.389	1.130	1.811	2.132	1.391	2.813
	ANT1	Top Edge 0mm	0.833	0.720	0.069	0.979	0.902	1.553	1.812
LTE B4	ANT0	Bottom Edge 0mm	1.735	0.000	0.000	0.000	1.735	1.735	1.735
5G N38	ANT1	Back Side 0mm	1.097	0.389	1.130	1.811	2.227	1.486	2.908

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 3.592 W/Kg < 3.6 W/kg, so Simultaneous Transmission SAR test is not required.

14 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: 7663	2021/07/23	2022/07/22
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	2021/01/04	2023/01/03
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/01/04	2023/01/03
Network Analyzer	Agilent	E5071C	MY46103472	2021/12/29	2022/12/28
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 (%)
2022.04.08	Head	750	21.5	0.89	41.59	0.89	41.94	0.00	-0.83
2022.04.09	Head	835	21.6	0.88	41.92	0.90	41.50	-2.22	1.01
2022.04.10	Head	835	21.6	0.88	41.84	0.90	41.50	-2.22	0.82
2022.04.29	Head	835	21.6	0.90	41.87	0.90	41.50	0.00	0.89
2022.05.05	Head	835	21.6	0.90	41.95	0.90	41.50	0.00	1.08
2022.04.11	Head	1750	21.5	1.36	39.96	1.37	40.08	-0.73	-0.30
2022.04.12	Head	1750	21.3	1.36	39.98	1.37	40.08	-0.73	-0.25
2022.04.13	Head	1900	21.9	1.38	39.99	1.40	40.00	-1.43	-0.02
2022.04.14	Head	1900	21.5	1.38	39.73	1.40	40.00	-1.43	-0.68
2022.04.15	Head	2450	21.8	1.78	39.41	1.80	39.20	-1.11	0.54
2022.04.16	Head	2450	21.9	1.78	39.63	1.80	39.20	-1.11	1.10
2022.04.18	Head	2600	21.1	1.95	38.39	1.96	39.01	-0.51	-1.59
2022.04.19	Head	2600	21.6	1.96	38.40	1.96	39.01	0.00	-1.56
2022.04.20	Head	2600	21.2	1.95	38.36	1.96	39.01	-0.51	-1.67
2022.04.21	Head	2600	21.3	1.95	38.64	1.96	39.01	-0.51	-0.95
2022.04.22	Head	2600	21.4	1.95	38.59	1.96	39.01	-0.51	-1.08
2022.05.06	Head	2600	21.3	1.98	38.50	1.96	39.01	1.02	-1.31
2022.05.07	Head	2600	21.1	1.97	38.40	1.96	39.01	0.51	-1.56
2022.04.23	Head	5250	21.2	4.86	35.80	4.66	35.99	4.29	-0.53
2022.04.26	Head	5250	21.2	4.68	35.83	4.66	35.99	0.43	-0.44
2022.04.24	Head	5600	21.0	5.03	35.29	5.07	35.53	-0.79	-0.68
2022.04.27	Head	5600	21.5	5.03	35.36	5.07	35.53	-0.79	-0.48
2022.04.25	Head	5750	21.5	5.16	35.64	5.27	35.30	-2.09	0.96
2022.04.28	Head	5750	21.4	5.16	35.42	5.27	35.30	-2.09	0.34
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 (%)
2022.04.08	Head	750	100	0.820	8.20	8.29	-1.09
2022.04.09	Head	835	100	0.970	9.70	9.76	-0.61
2022.04.10	Head	835	100	0.940	9.40	9.76	-3.69
2022.04.29	Head	835	100	0.940	9.40	9.76	-3.69
2022.05.05	Head	835	100	0.940	9.40	9.76	-3.69
2022.04.11	Head	1750	100	3.670	36.70	36.70	0.00
2022.04.12	Head	1750	100	3.610	36.10	36.70	-1.63
2022.04.13	Head	1900	100	4.080	40.80	40.30	1.24
2022.04.14	Head	1900	100	4.020	40.20	40.30	-0.25
2022.04.15	Head	2450	100	5.420	54.20	53.00	2.26
2022.04.16	Head	2450	100	5.370	53.70	53.00	1.32
2022.04.18	Head	2600	100	5.570	55.70	56.80	-1.94
2022.04.19	Head	2600	100	5.680	56.80	56.80	0.00
2022.04.20	Head	2600	100	5.460	54.60	56.80	-3.87
2022.04.21	Head	2600	100	5.480	54.80	56.80	-3.52
2022.04.22	Head	2600	100	5.420	54.20	56.80	-4.58
2022.05.06	Head	2600	100	5.580	55.80	56.80	-1.76
2022.05.07	Head	2600	100	5.520	55.20	56.80	-2.82
2022.04.23	Head	5250	100	7.470	74.70	77.80	-3.98
2022.04.26	Head	5250	100	7.450	74.50	77.80	-4.24
2022.04.24	Head	5600	100	7.800	78.00	81.20	-3.94
2022.04.27	Head	5600	100	7.810	78.10	81.20	-3.82
2022.04.25	Head	5750	100	7.700	77.00	77.20	-0.26
2022.04.28	Head	5750	100	7.720	77.20	77.20	0.00
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 (%)
2022.04.11	1750	100	1.940	19.40	19.80	-2.02
2022.04.12	1750	100	1.910	19.10	19.80	-3.54
2022.04.13	1900	100	2.050	20.50	20.40	0.49
2022.04.14	1900	100	1.900	19.00	20.40	-6.86
2022.04.15	2450	100	2.460	24.60	24.40	0.82
2022.04.16	2450	100	2.380	23.80	24.40	-2.46
2022.04.23	5250	100	2.180	21.80	20.70	5.31
2022.04.26	5250	100	2.190	21.90	20.70	5.80
2022.04.24	5600	100	2.330	23.30	22.60	3.10
2022.04.27	5600	100	2.230	22.30	22.60	-1.33
2022.04.25	5750	100	2.150	21.50	21.40	0.47
2022.04.28	5750	100	2.080	20.80	21.40	-2.80
Note: The tolerance limit of System validation ±10%.						

System Performance Check Data (750MHz Head)

Date: 2022.04.08

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

Medium parameters used (extrapolated): f = 835 MHz; σ = 0.89 S/m; ε_r = 41.591; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.41, 10.41, 10.41); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.933 W/kg

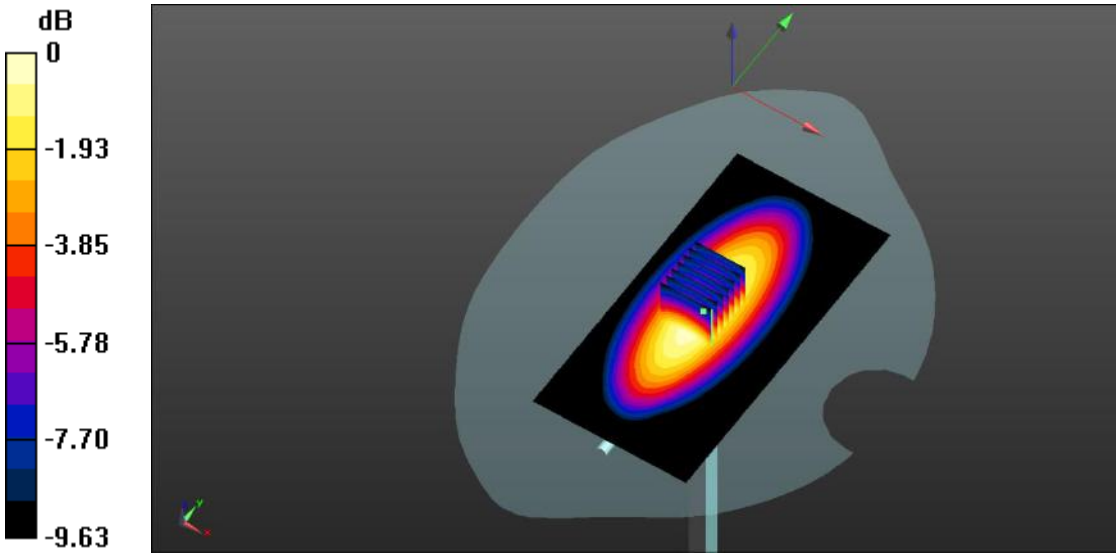
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.54 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.815 W/kg; SAR(10 g) = 0.527 W/kg

Maximum value of SAR (measured) = 0.939 W/kg



0 dB = 0.939 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.04.09

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

Medium parameters used: f = 835 MHz; σ = 0.882 S/m; ε_r = 41.915; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

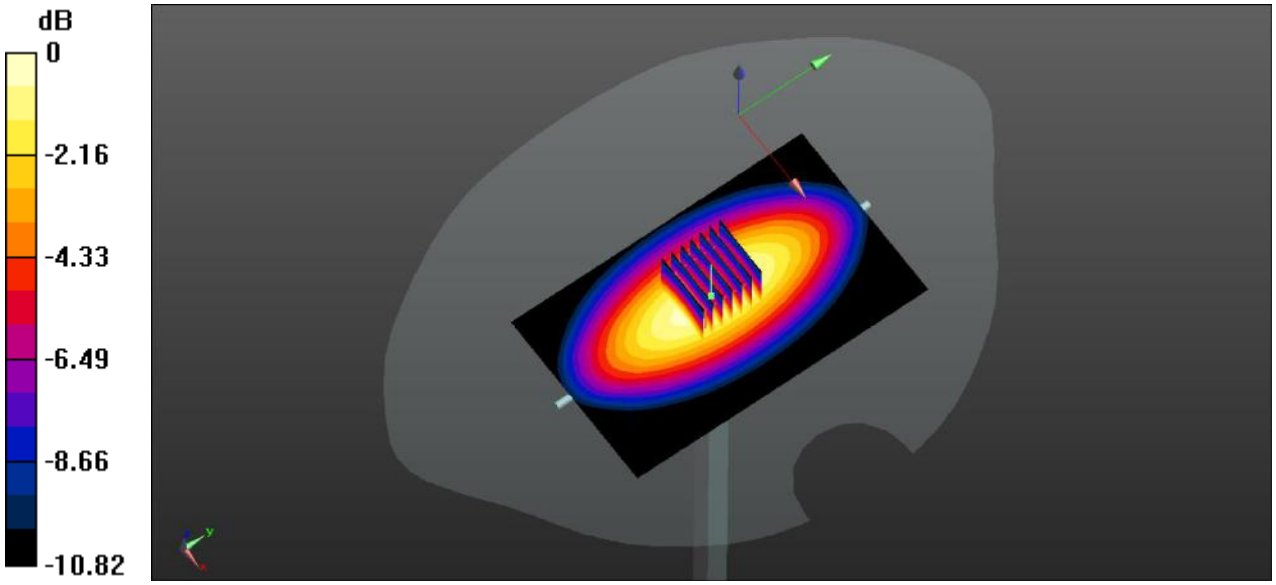
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.85 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.642 W/kg

Maximum value of SAR (measured) = 0.991 W/kg



0 dB = 0.991 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.04.10

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

Medium parameters used: f = 835 MHz; σ = 0.883 S/m; ε_r = 41.836; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW HEAD/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

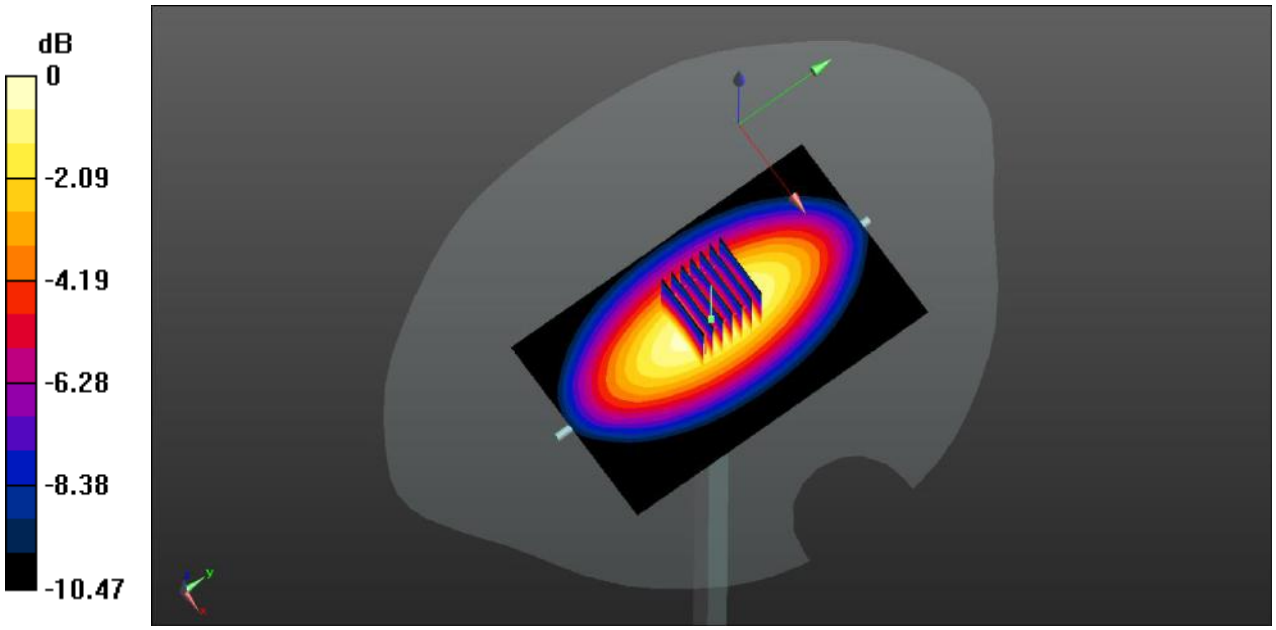
CW 835 100mW HEAD/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.18 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.939 W/kg; SAR(10 g) = 0.613 W/kg

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



0 dB = 1.05 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.04.29

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

Medium parameters used: f = 835 MHz; σ = 0.899 S/m; ε_r = 41.873; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.952 W/kg

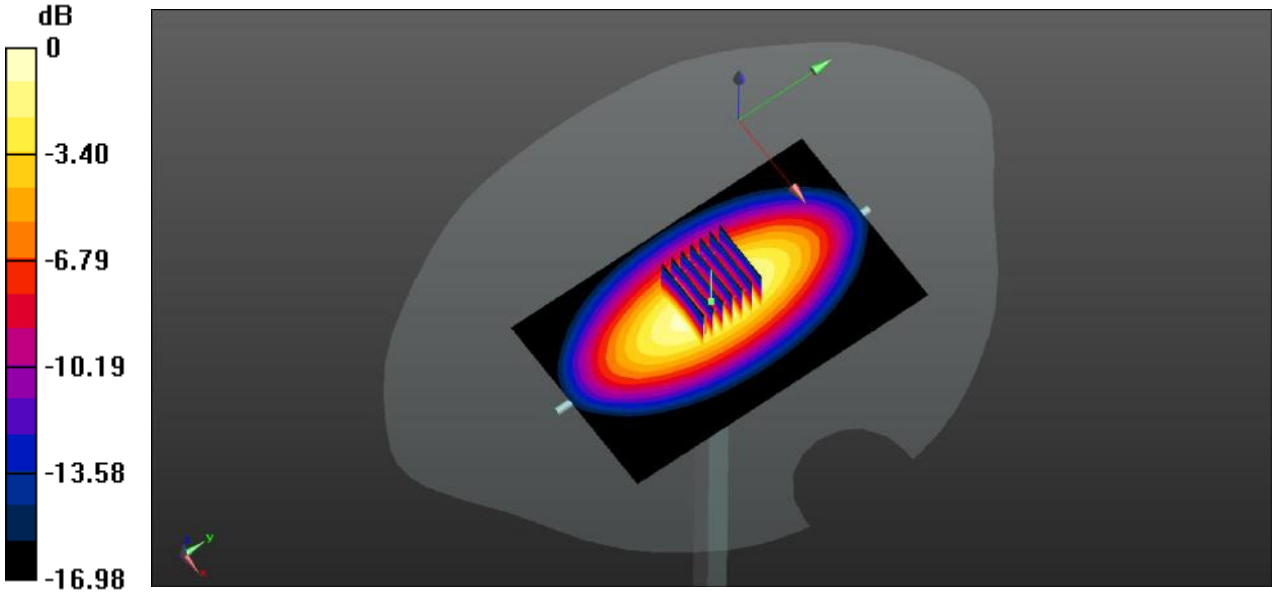
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.62 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.612 W/kg

Maximum value of SAR (measured) = 0.977 W/kg



0 dB = 0.977 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.05.05

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

Medium parameters used: f = 835 MHz; σ = 0.898 S/m; ε_r = 41.946; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

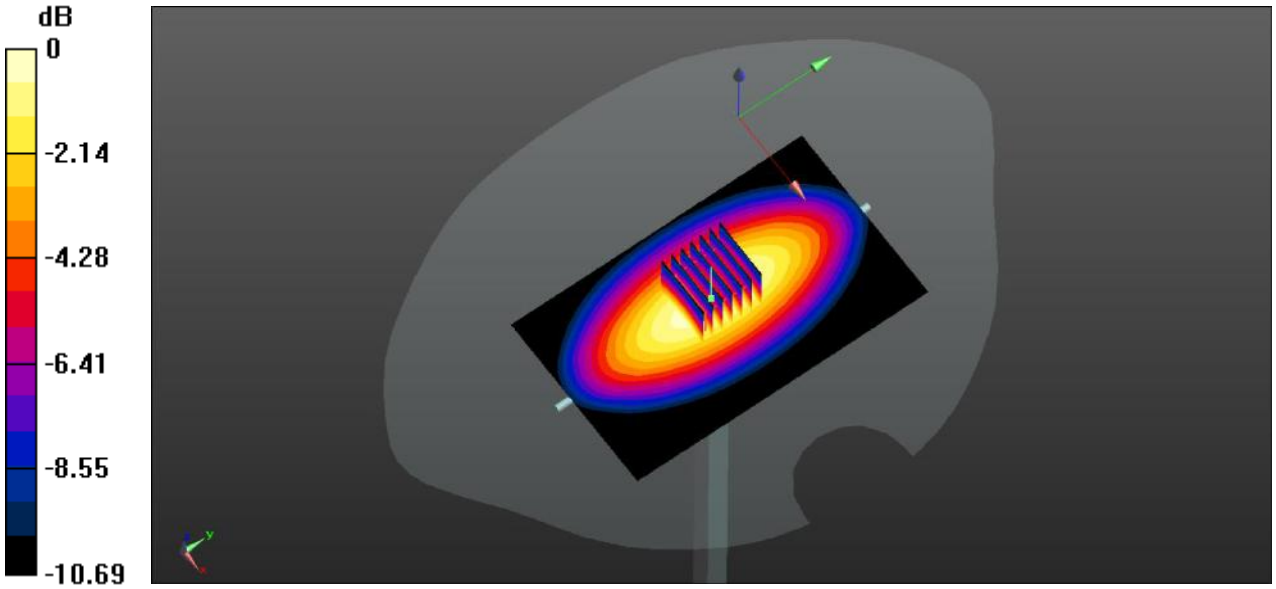
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.85 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.944 W/kg; SAR(10 g) = 0.616 W/kg

Maximum value of SAR (measured) = 0.997 W/kg



0 dB = 0.997 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.04.11

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

Medium parameters used: f = 1750 MHz; σ = 1.356 S/m; ε_r = 39.962; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.22 W/kg

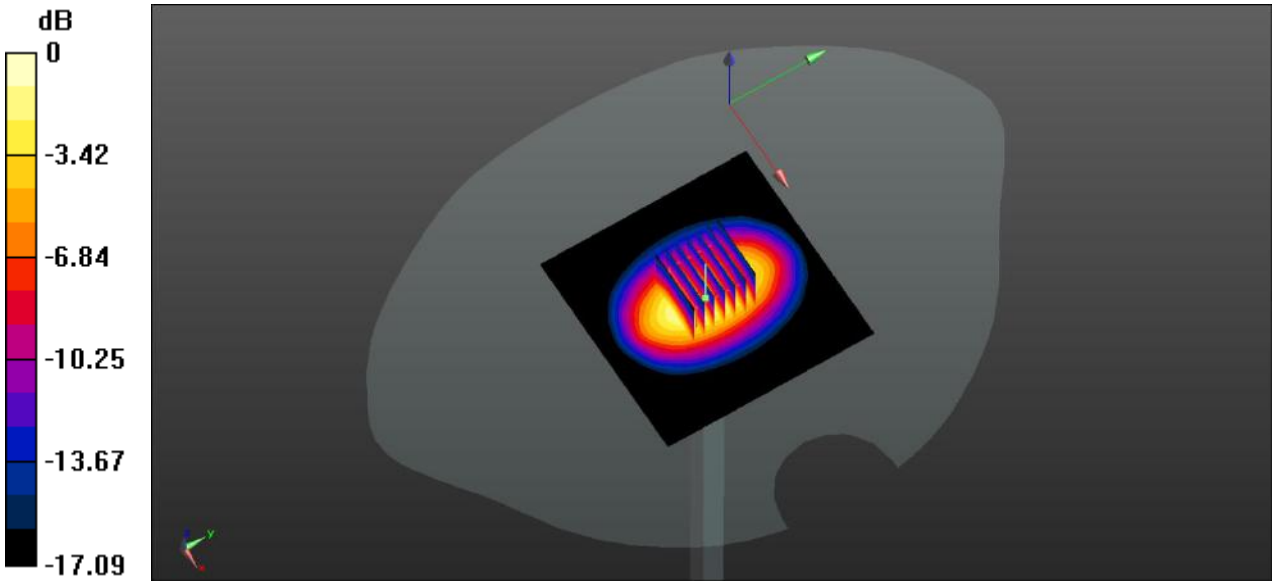
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.14 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.94 W/kg

Maximum value of SAR (measured) = 4.26 W/kg



0 dB = 4.26 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.04.12

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

Medium parameters used: f = 1750 MHz; σ = 1.359 S/m; ε_r = 39.978; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1750 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.97 W/kg

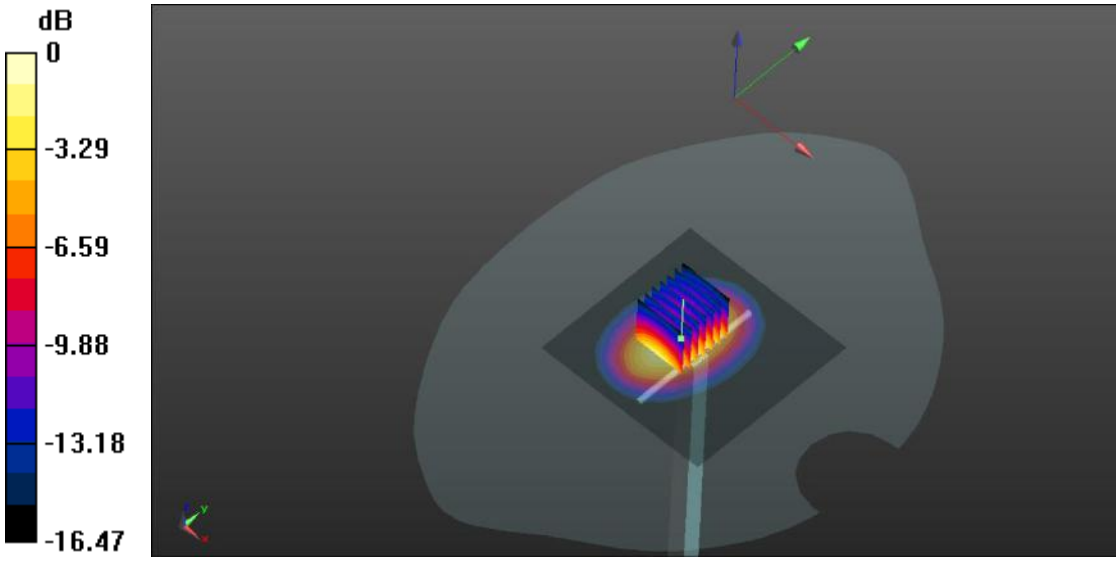
CW1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.86 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.47 W/kg

SAR(1 g) = 3.61 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 3.99 W/kg



0 dB = 3.99 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.04.13

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

Medium parameters used: f = 1900 MHz; σ = 1.38 S/m; ε_r = 39.985; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

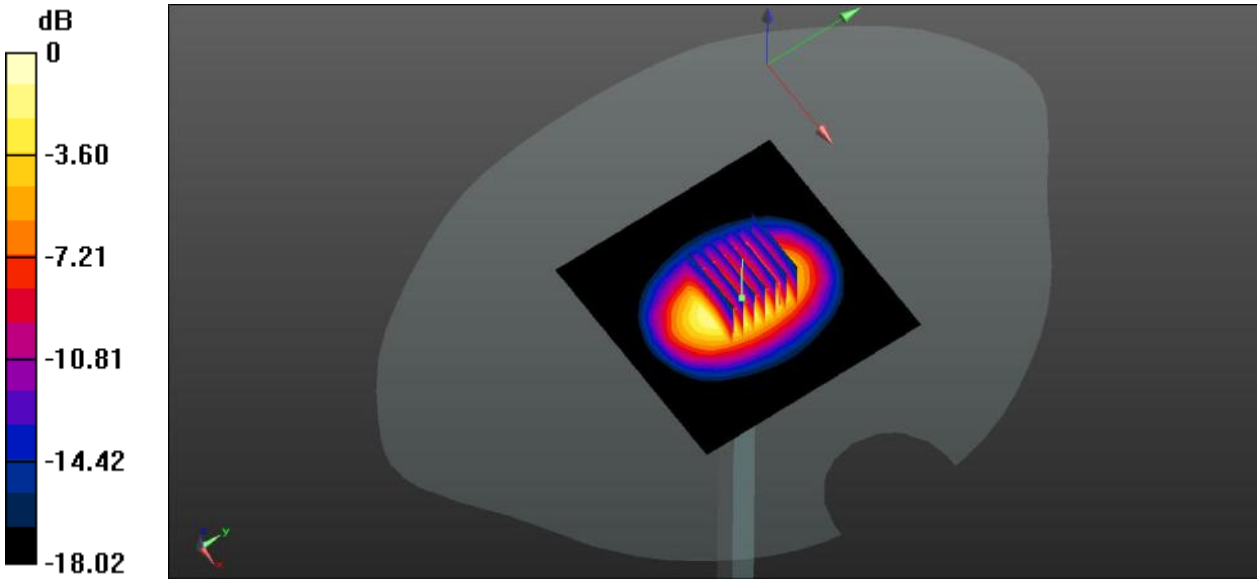
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.86 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 7.49 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.05 W/kg

Maximum value of SAR (measured) = 4.48 W/kg



0 dB = 4.48 W/kg

System Performance Check Data (1900MHz Head)

Date: 2021.04.14

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

Medium parameters used: f = 1900 MHz; σ = 1.379 S/m; ε_r = 39.725; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.55 W/kg

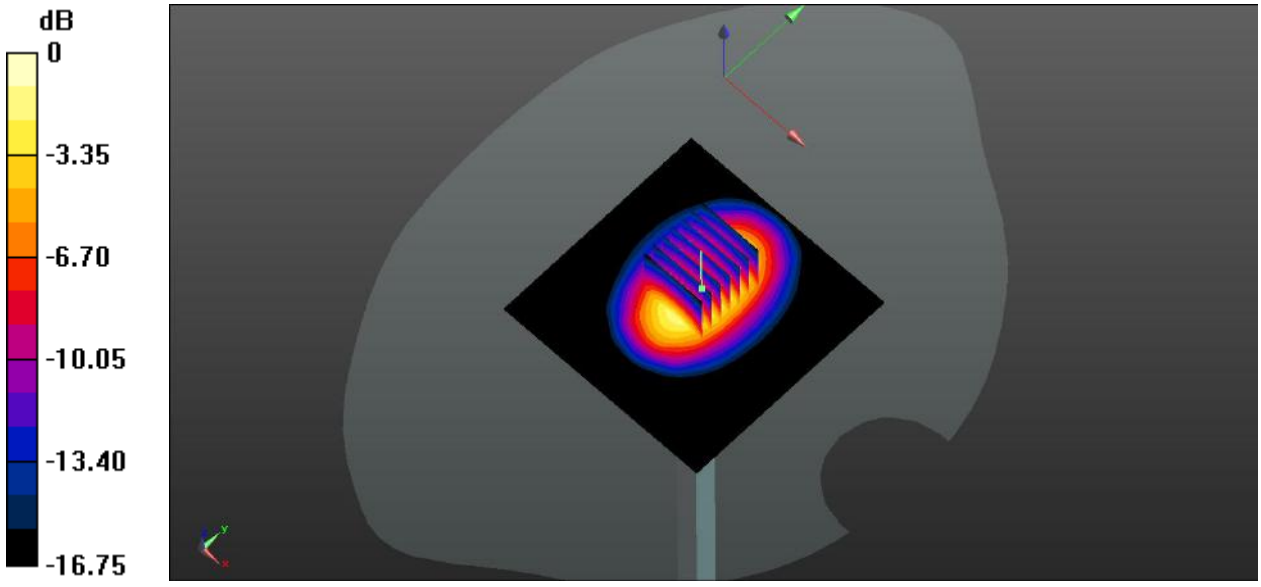
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.76 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 7.32 W/kg

SAR(1 g) = 4.02 W/kg; SAR(10 g) = 1.99 W/kg

Maximum value of SAR (measured) = 4.55 W/kg



0 dB = 4.55 W/kg

System Performance Check Data (2450MHz Head)

Date: 2022.04.15

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

Medium parameters used: f = 2450 MHz; σ = 1.779 S/m; ε_r = 39.407; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mw/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

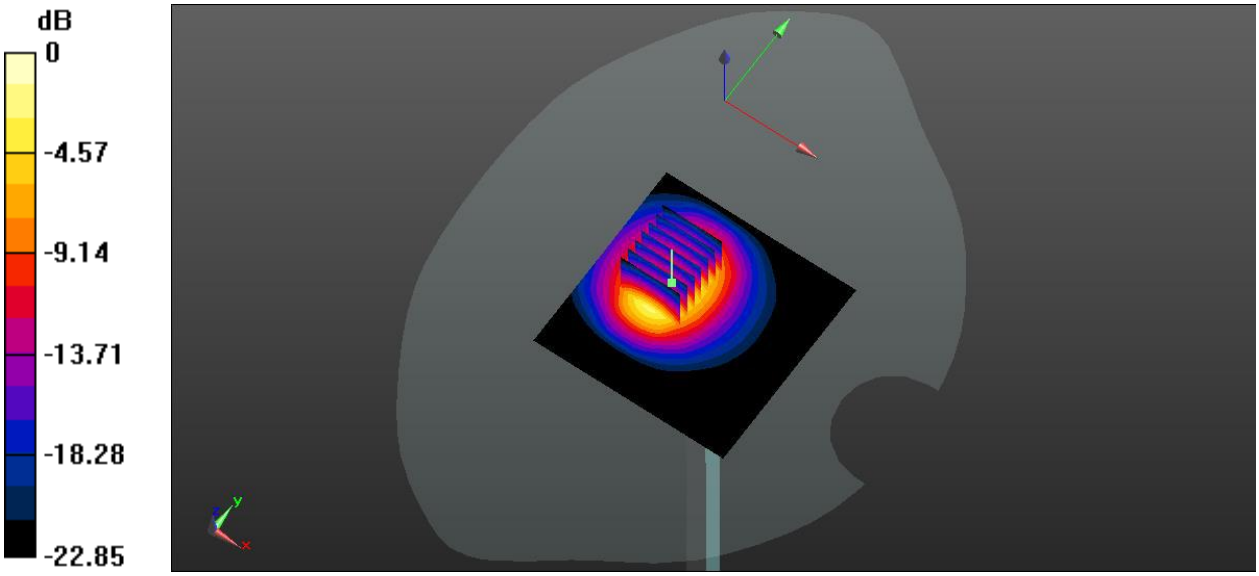
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.21 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 6.00 W/kg



0 dB = 6.00 W/kg

System Performance Check Data (2450MHz Head)

Date: 2022.04.16

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

Medium parameters used: f = 2450 MHz; σ = 1.776 S/m; ε_r = 39.634; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mw/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

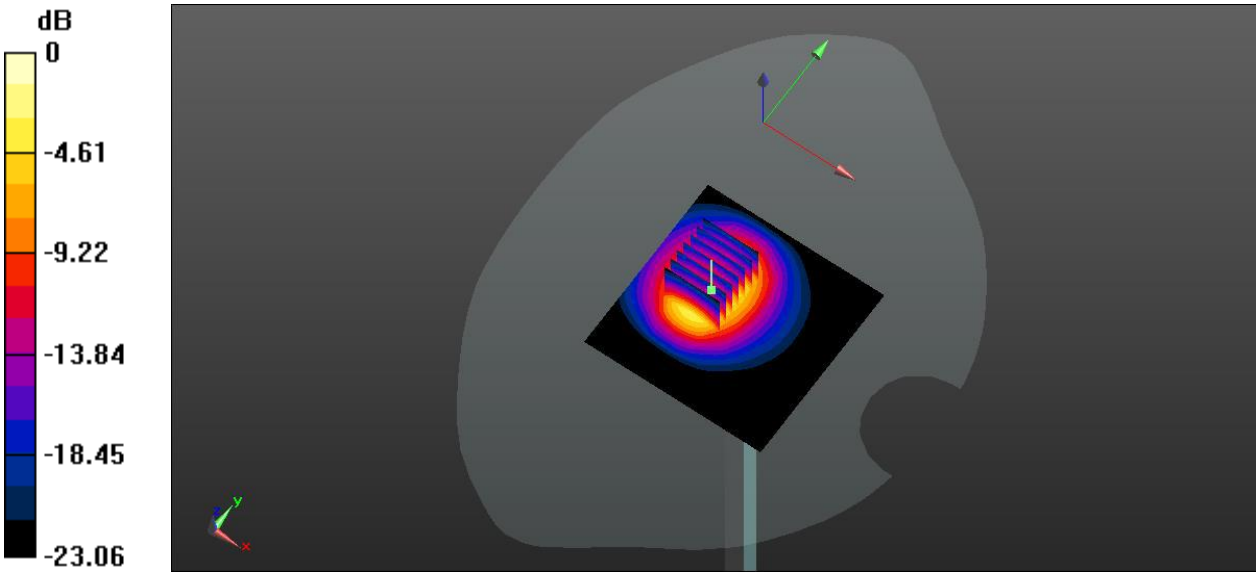
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.51 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 6.02 W/kg



0 dB = 6.02 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.04.18

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.95 S/m; ε_r = 38.39; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.65 W/kg

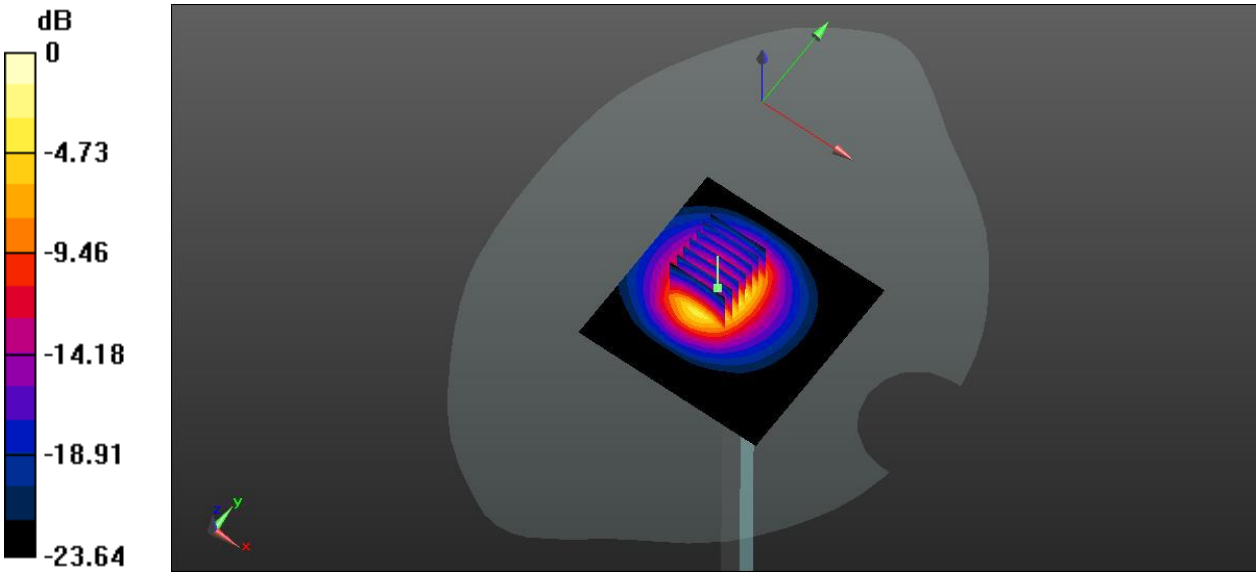
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.28 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.44 W/kg

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



0 dB = 6.25 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.04.19

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.955 S/m; ε_r = 38.398; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.93 W/kg

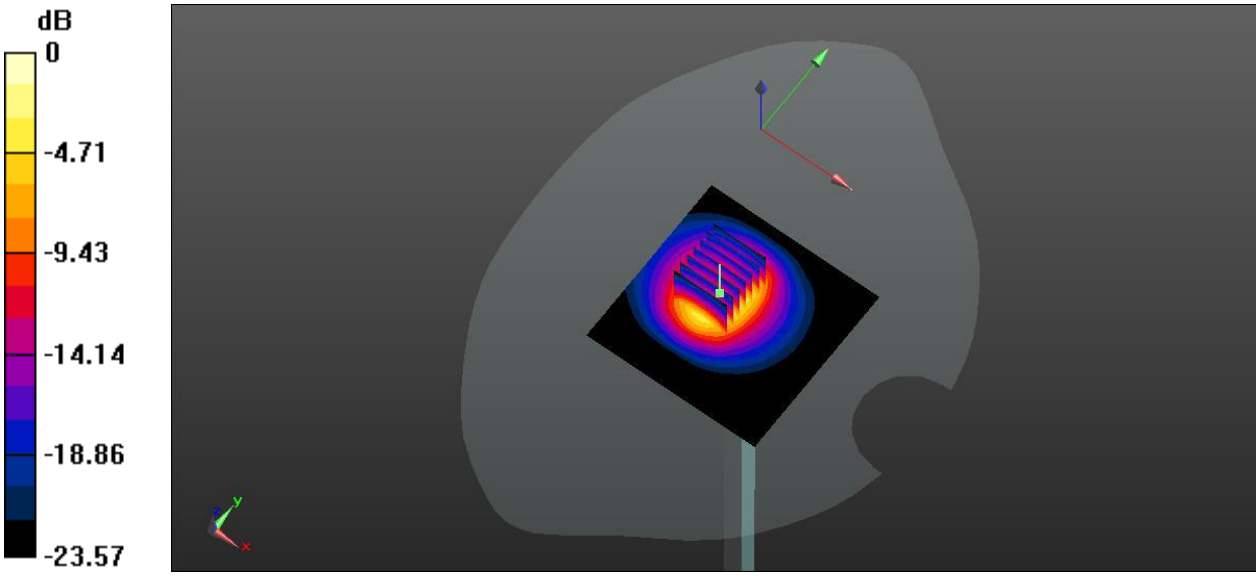
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.13 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.68 W/kg; SAR(10 g) = 2.51 W/kg

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



0 dB = 6.56 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.04.20

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.95 S/m; ε_r = 38.362; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.46 W/kg

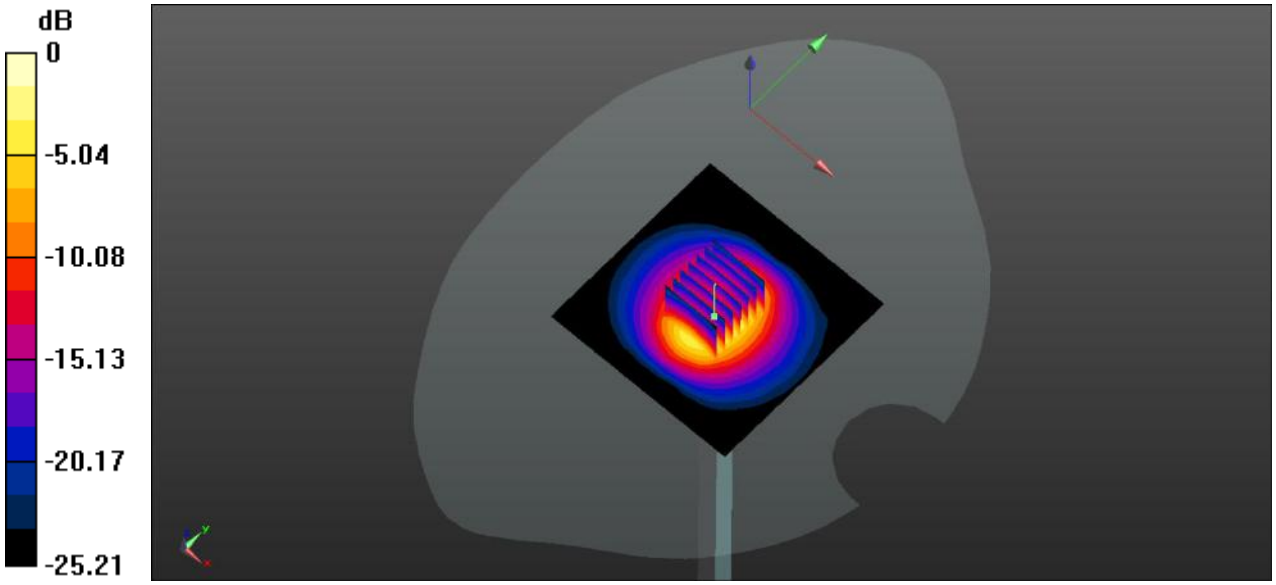
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.55 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 6.46 W/kg



0 dB = 6.46 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.04.21

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 = 38.638; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

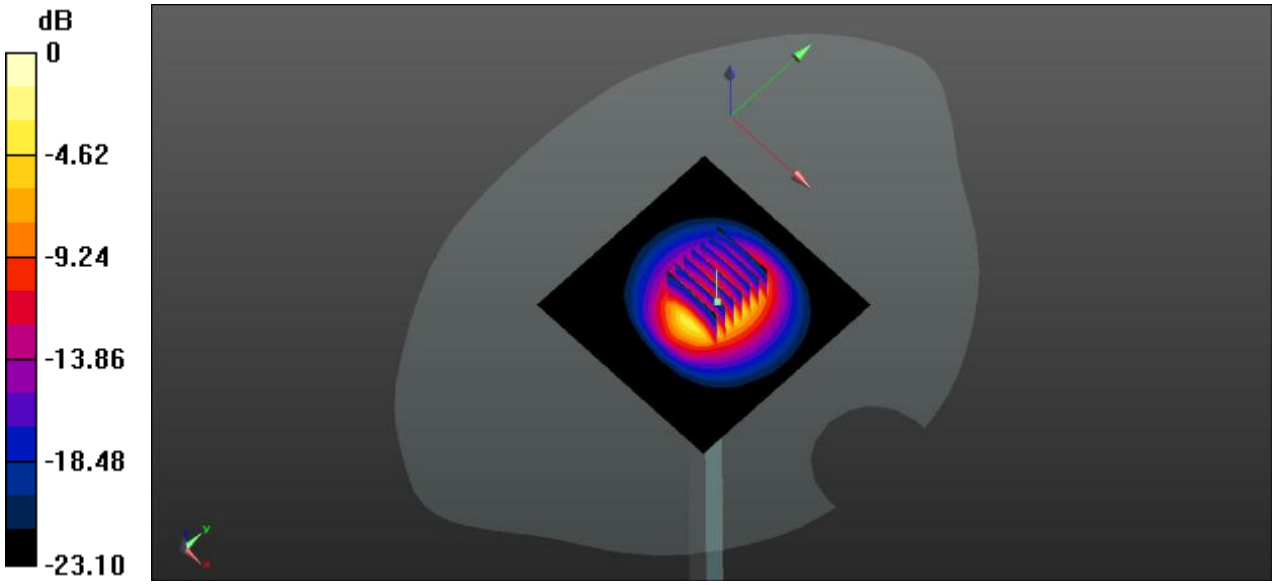
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.41 W/kg

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



0 dB = 6.35 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.04.22

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

Medium parameters used: f = 2600 MHz; σ = 1.951 S/m; ε_r = 38.589; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.42 W/kg

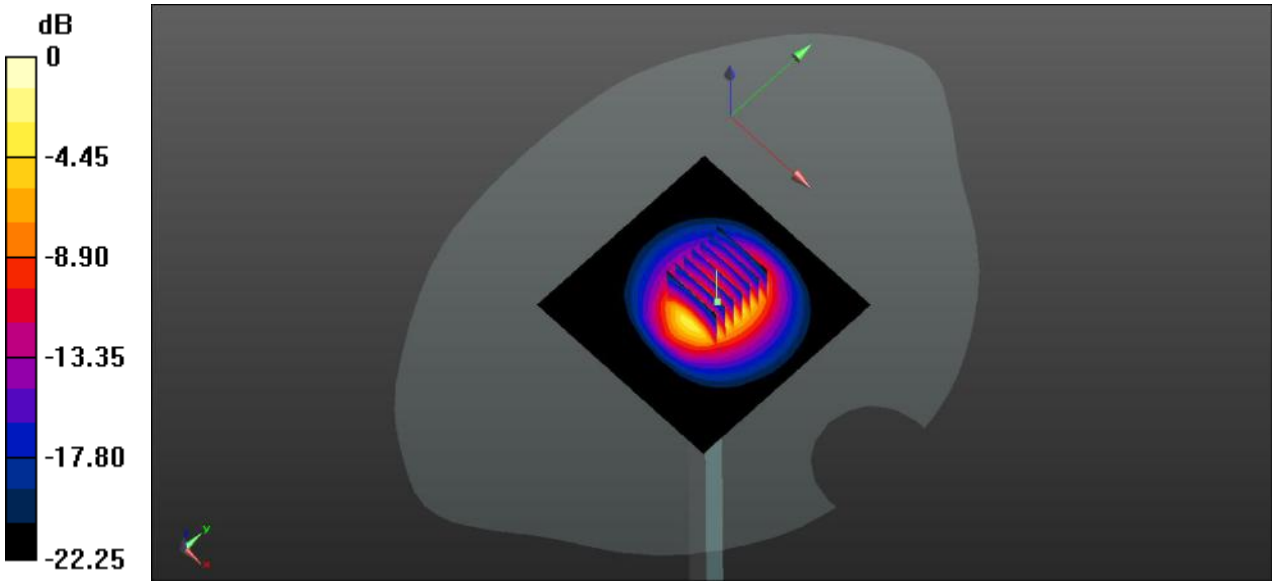
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.23 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.38 W/kg

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



0 dB = 6.35 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.05.06

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.975 S/m; ε_r = 38.5; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW /Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.46 W/kg

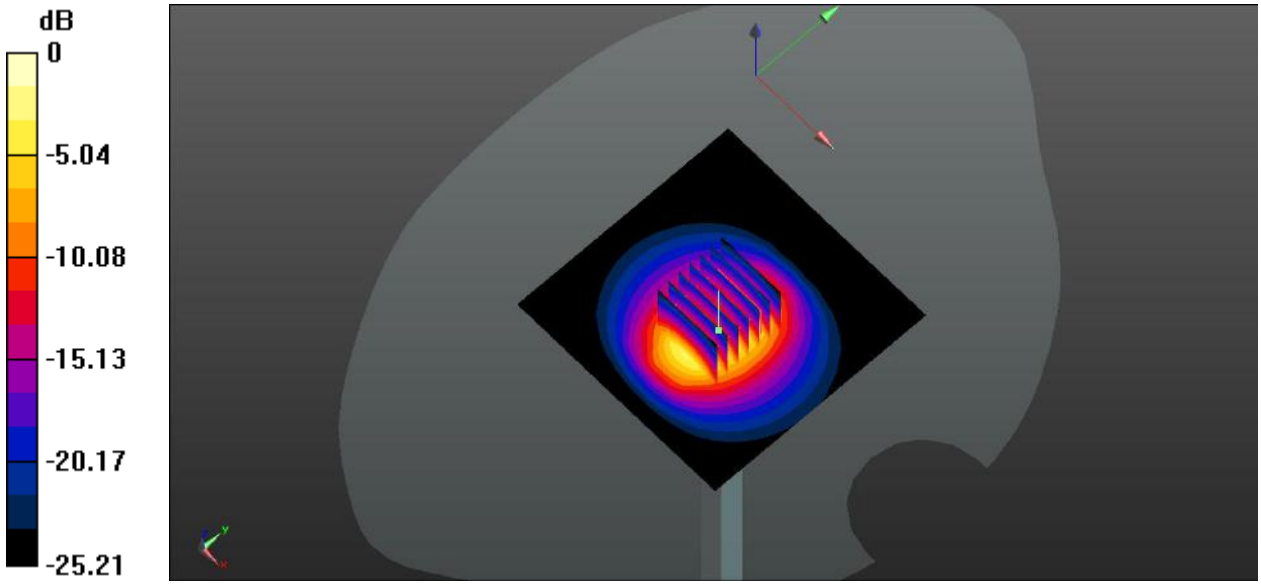
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.55 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.44 W/kg

Maximum value of SAR (measured) = 6.27 W/kg



0 dB = 6.27 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.05.07

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

Medium parameters used: f = 2600 MHz; σ = 1.974 S/m; ε_r = 38.397; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 6.42 W/kg

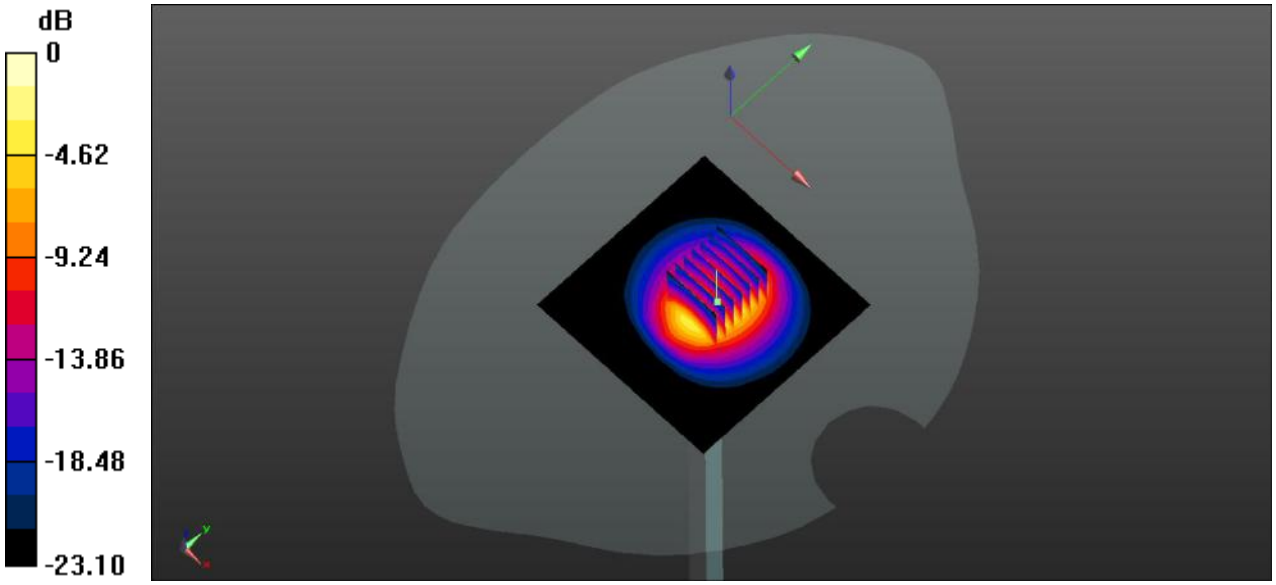
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.22 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.52 W/kg; SAR(10 g) = 2.41 W/kg

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



0 dB = 6.31 W/kg

System Performance Check Data (5250MHz Head)

Date: 2022.04.23

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

Medium parameters used: f = 5250 MHz; σ = 4.861 S/m; ε_r = 35.804; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW /Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.39 W/kg

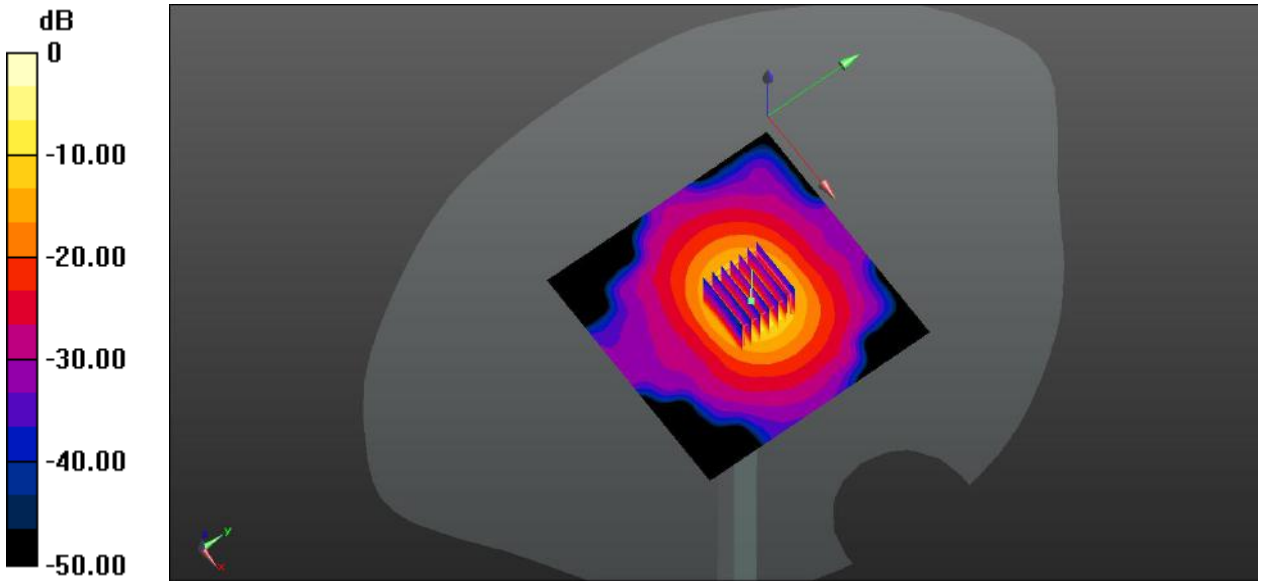
CW 5250 100mW /Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.06 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.47 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 19.9 W/kg

System Performance Check Data (5250MHz Head)

Date: 2022.04.26

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

Medium parameters used: f = 5250 MHz; σ = 4.677 S/m; ε_r = 35.834; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 14.3 W/kg

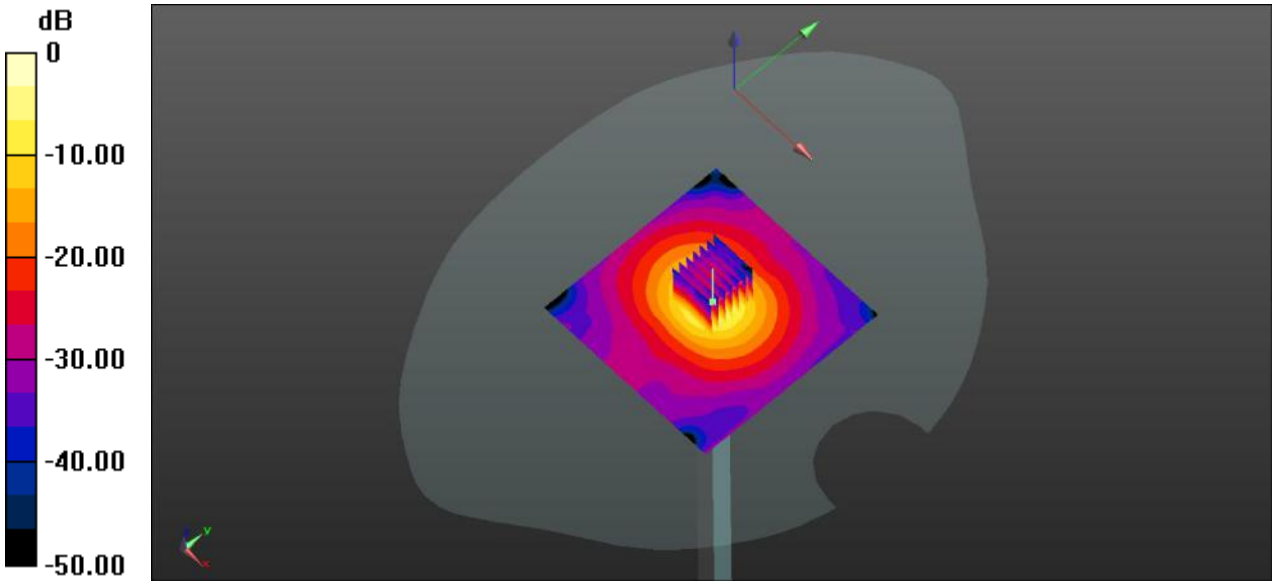
CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.78 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.45 W/kg; SAR(10 g) = 2.19 W/kg

Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg

System Performance Check Data (5600MHz Head)

Date: 2022.04.24

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

Medium parameters used: f = 5600 MHz; σ = 5.034 S/m; ε_r = 35.285; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

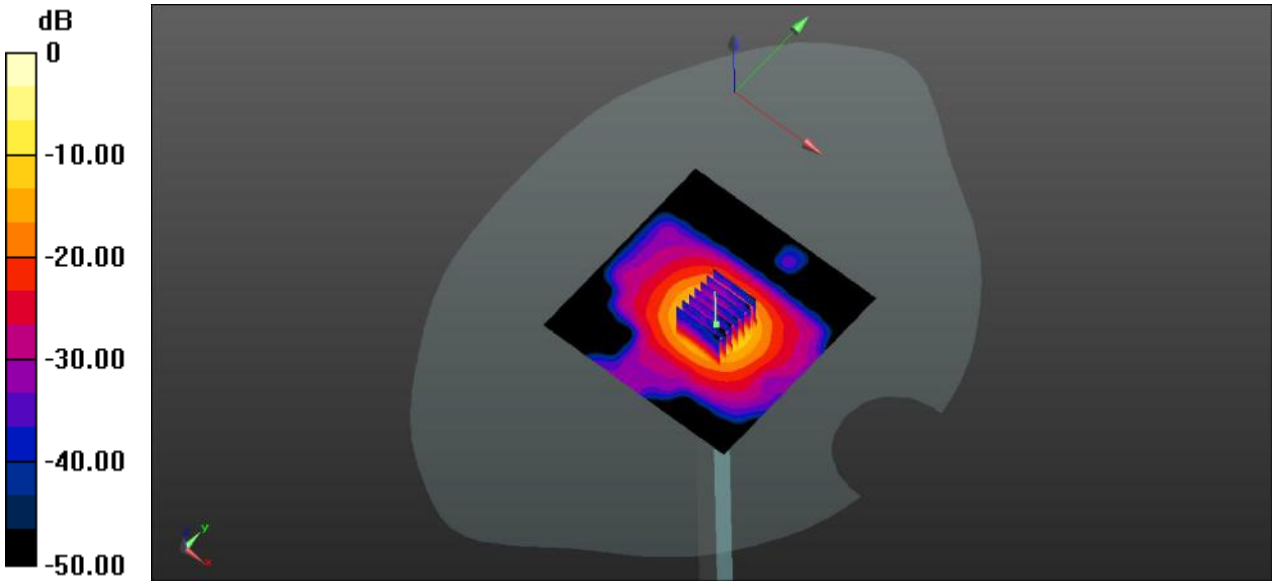
CW 5600 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 38.53 W/kg

SAR(1 g) = 7.80 W/kg; SAR(10 g) = 2.33 W/kg

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



0 dB = 21.7 W/kg

System Performance Check Data (5600MHz Head)

Date: 2022.04.27

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

Medium parameters used: f = 5600 MHz; σ = 5.032 S/m; ε_r = 35.357; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.84 W/kg

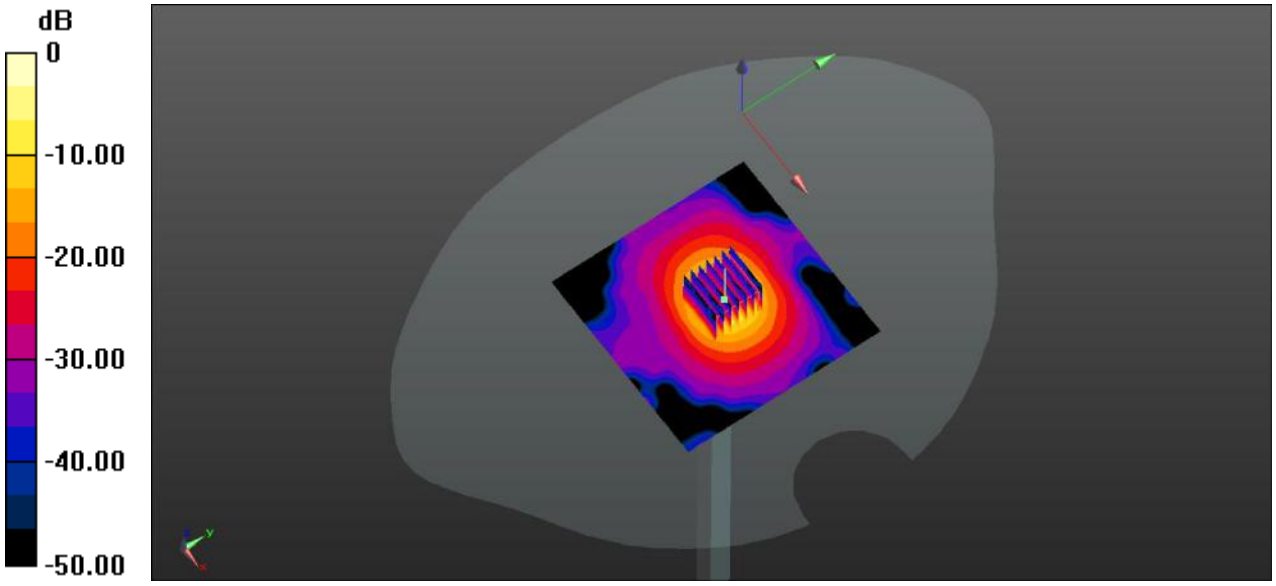
CW 5600 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.43 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 39.1 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 21.2 W/kg



0 dB = 21.2 W/kg

System Performance Check Data (5750MHz Head)

Date: 2022.04.25

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

Medium parameters used: f = 5750 MHz; σ = 5.155 S/m; ε_r = 35.636; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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

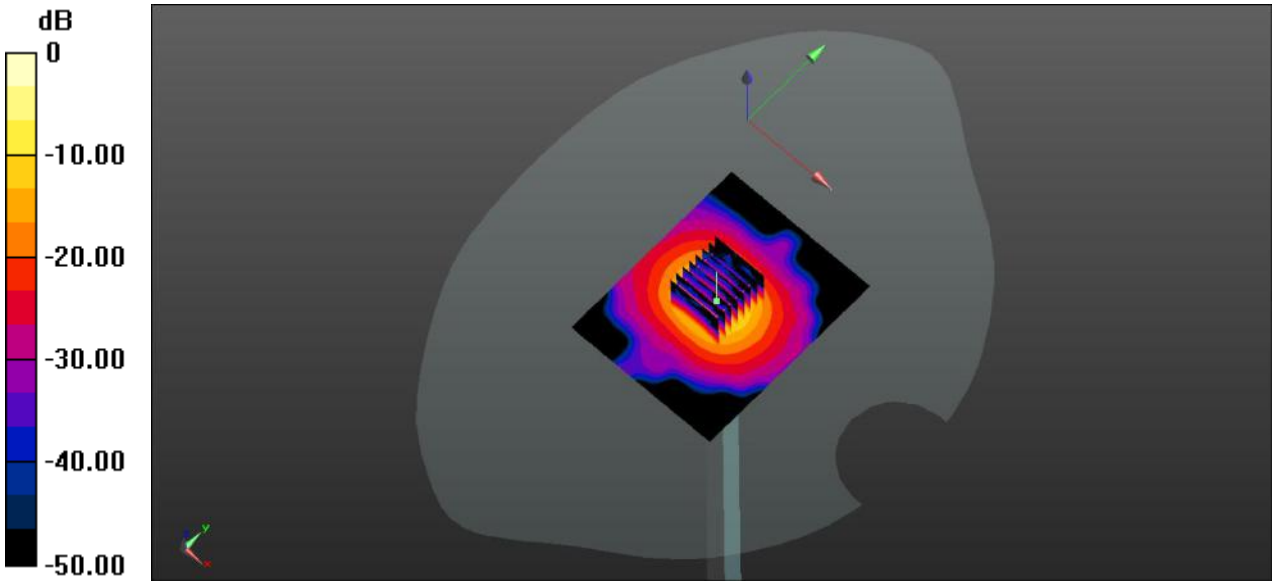
CW 5750 100mW/Zoom Scan (8x8x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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

Peak SAR (extrapolated) = 35.3 W/kg

SAR(1 g) = 7.70 W/kg; SAR(10 g) = 2.15 W/kg

Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg

System Performance Check Data (5750MHz Head)

Date: 2022.04.28

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

Medium parameters used: f = 5750 MHz; σ = 5.157 S/m; ε_r = 35.415; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 9.04 W/kg

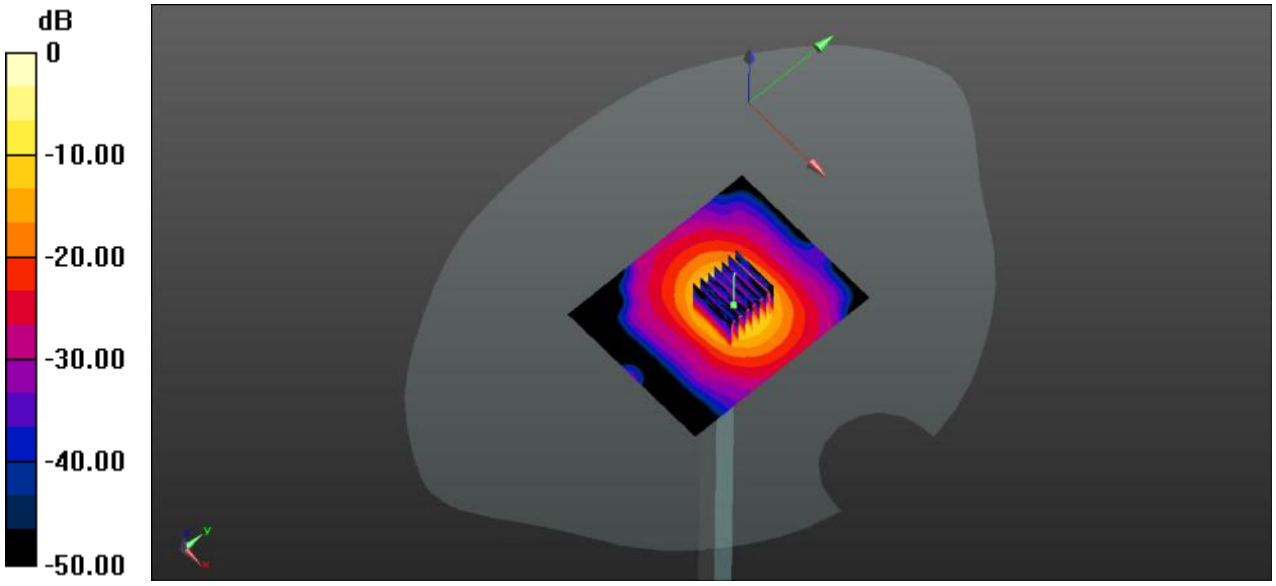
CW 5750 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 33.35 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 40.5 W/kg

SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.08 W/kg

Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel in GPRS850 4Slots mode with Antenna 1

Date: 2022.04.09

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.886 S/m; ε_r = 41.863; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.441 W/kg

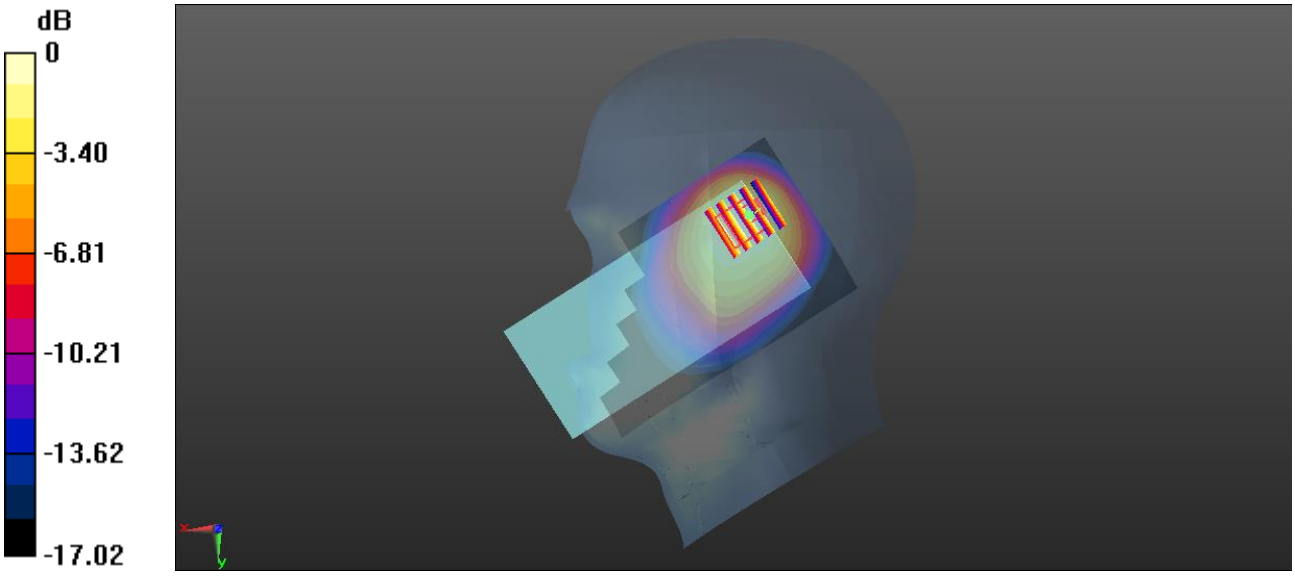
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.30 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.703 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 0.408 W/kg



0 dB = 0.408 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 4Slots mode with Antenna 1

Date: 2022.04.09

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.886 S/m; ε_r = 41.863; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.189 W/kg

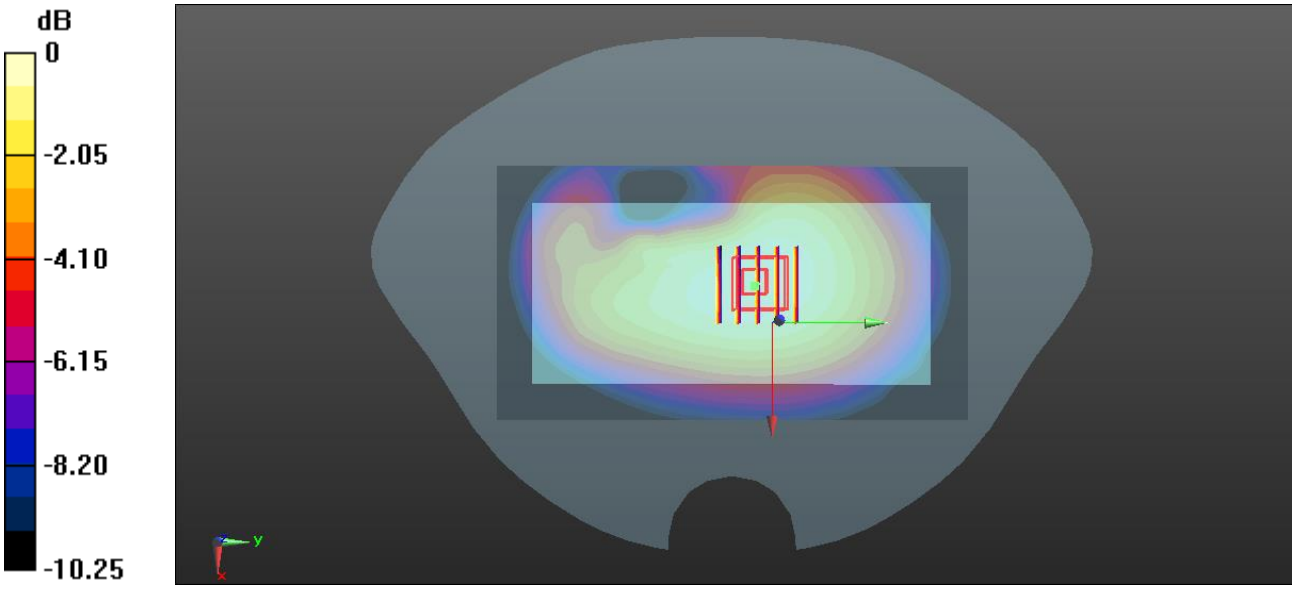
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.49 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.187 W/kg



0 dB = 0.187 W/kg

Meas.3 Body Plane with Back Side 10mm on Middle Channel in GPRS850 4Slots mode with Antenna 1

Date: 2022.04.09

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.886 S/m; ε_r = 41.863; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.238 W/kg

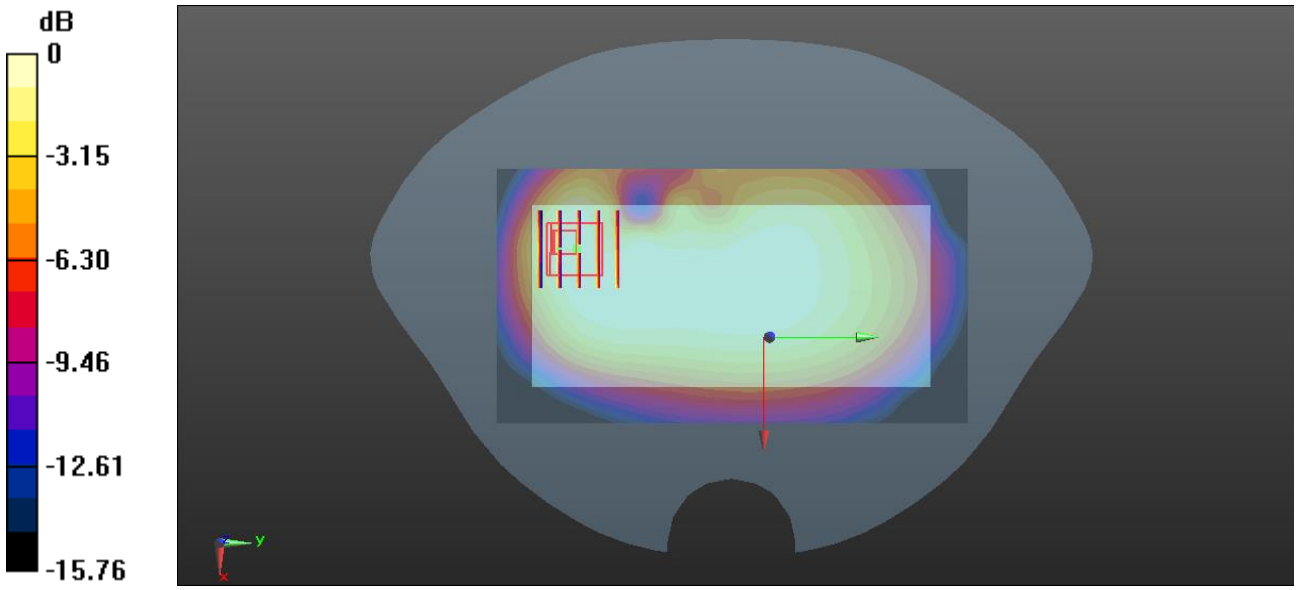
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.60 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg

Meas.4 Right Head with Tilt on Middle Channel in GPRS1900 3Slots mode with Antenna 1

Date: 2022.04.13

Communication System Band: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.37 S/m; ε_r = 40.239; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.603 W/kg

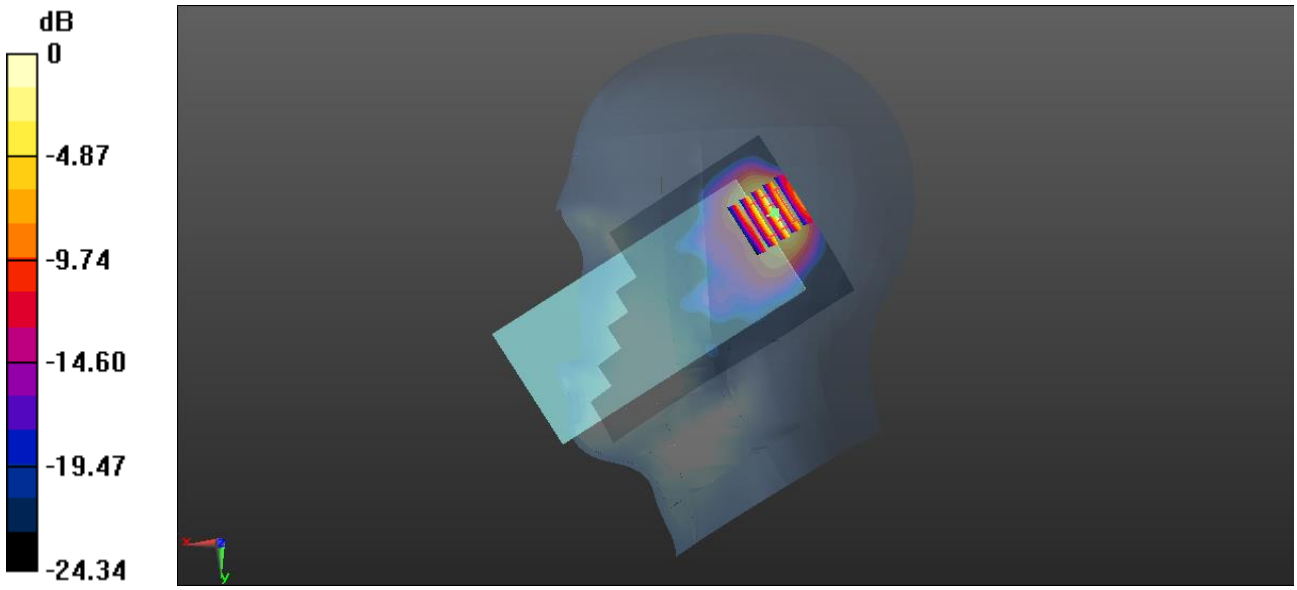
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.568 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.239 W/kg

Maximum value of SAR (measured) = 0.624 W/kg



0 dB = 0.624 W/kg

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 3Slots mode with Antenna 1

Date: 2022.04.13

Communication System Band: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.37 S/m; ε_r = 40.239; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.288 W/kg

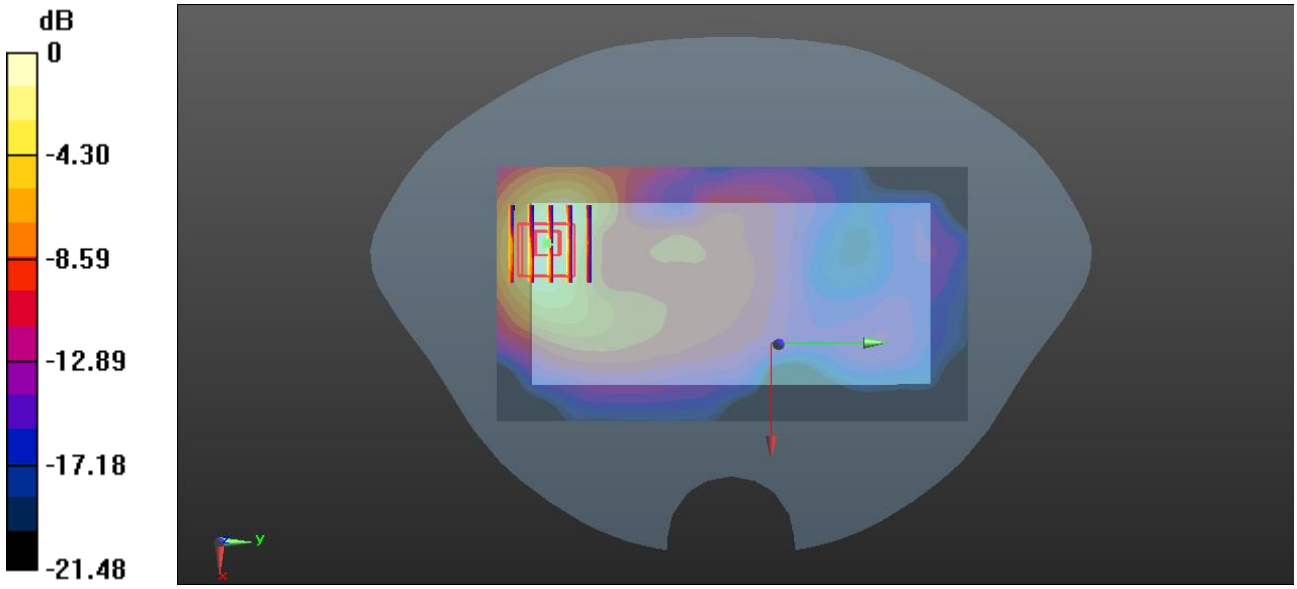
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.959 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.145 W/kg

Maximum value of SAR (measured) = 0.310 W/kg



0 dB = 0.310 W/kg

Meas.6 Body Plane with Top Side 10mm on High Channel in GPRS1900 3Slots mode with Antenna 1

Date: 2022.04.13

Communication System Band:GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.384 S/m; ε_r = 39.819; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.879 W/kg

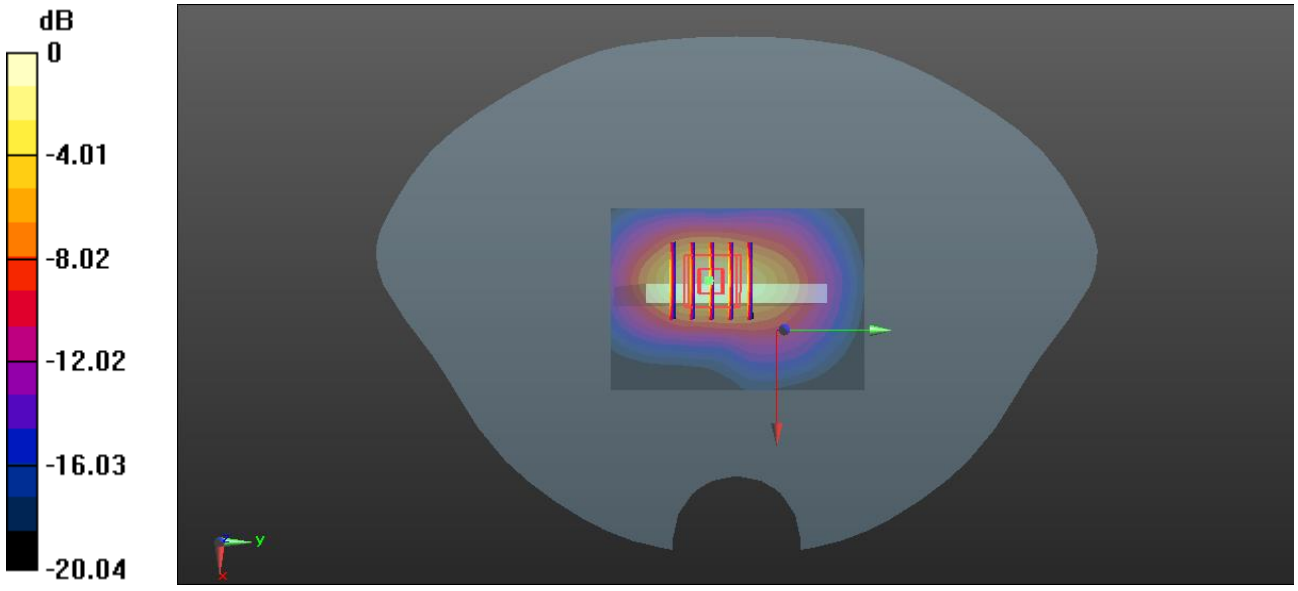
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.63 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.766 W/kg; SAR(10 g) = 0.379 W/kg

Maximum value of SAR (measured) = 0.874 W/kg



0 dB = 0.874 W/kg

Meas.7 Body Plane with Top Edge 0mm on High Channel in GPRS1900 3Slots mode with Antenna 1

Date: 2022.04.13

Communication System Band: GPRS1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.384 S/m; ε_r = 39.819; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 5.24 W/kg

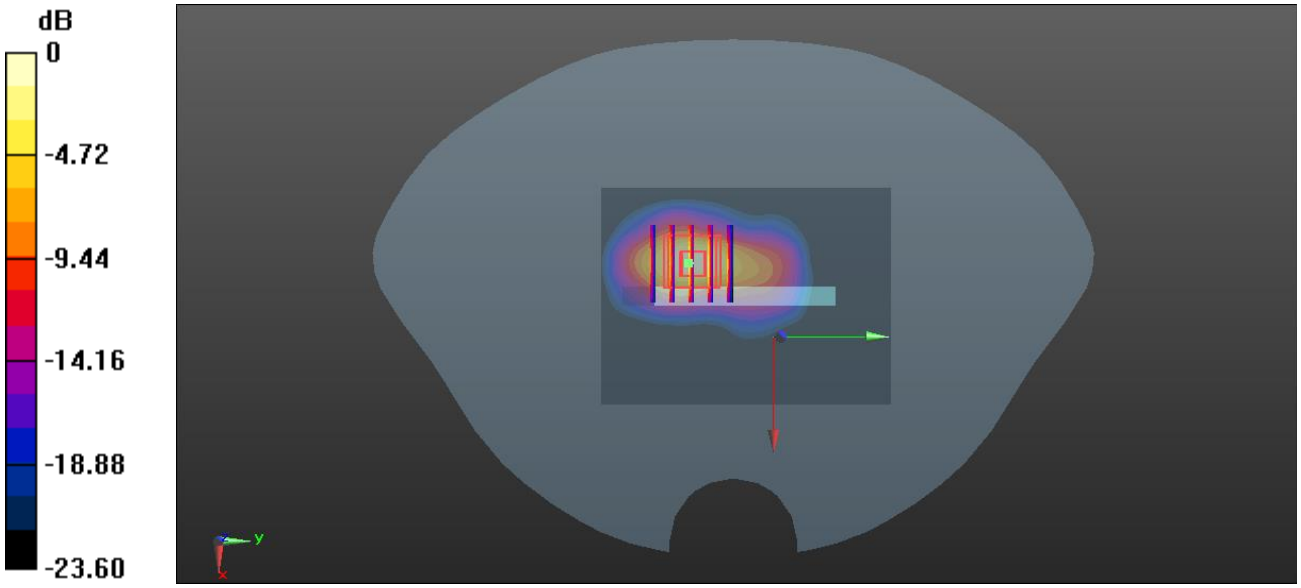
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.30 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 4.27 W/kg; SAR(10 g) = 1.69 W/kg

Maximum value of SAR (measured) = 5.41 W/kg



0 dB = 5.41 W/kg

Meas.8 Right Head with Tilt on Middle Channel in WCDMA Band2 mode with Antenna 1

Date: 2022.04.13

Communication System Band: II; Frequency: 1880.0 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880.0 MHz; σ = 1.370 S/m; ε_r = 40.239; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.832 W/kg

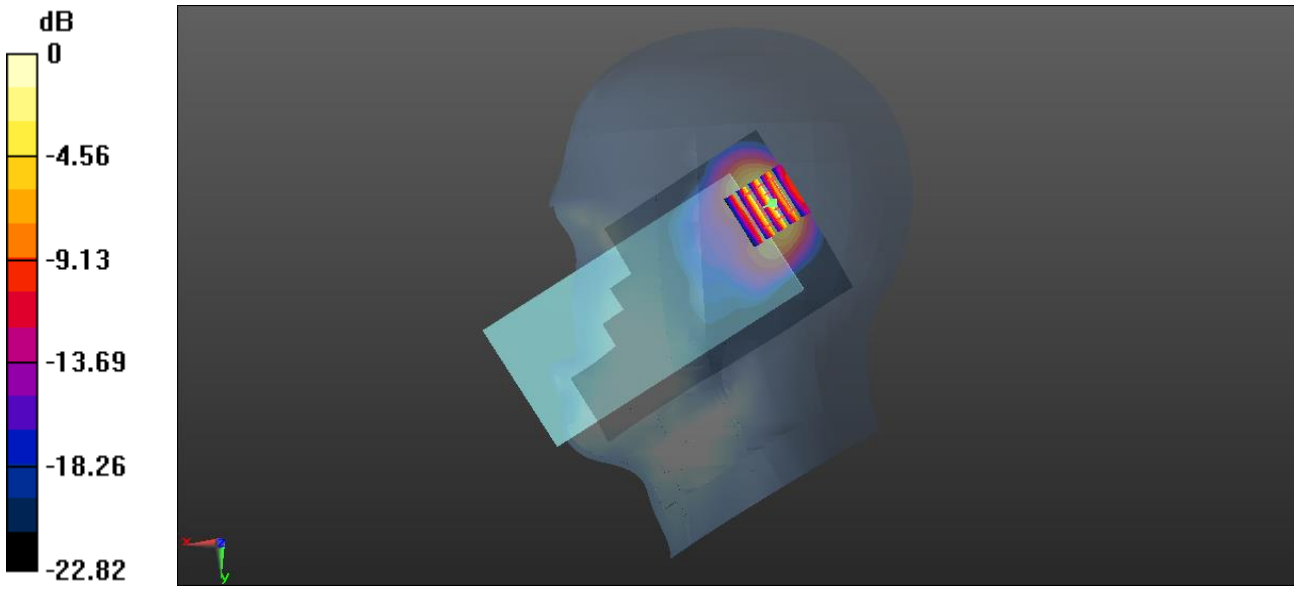
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.767 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.330 W/kg

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



0 dB = 0.862 W/kg

Meas.9 Body Plane with Back Side 15mm on High Channel in WCDMA Band2 mode with Antenna 1

Date: 2022.04.13

Communication System Band: II; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.383 S/m; ε_r = 39.865; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.267 W/kg

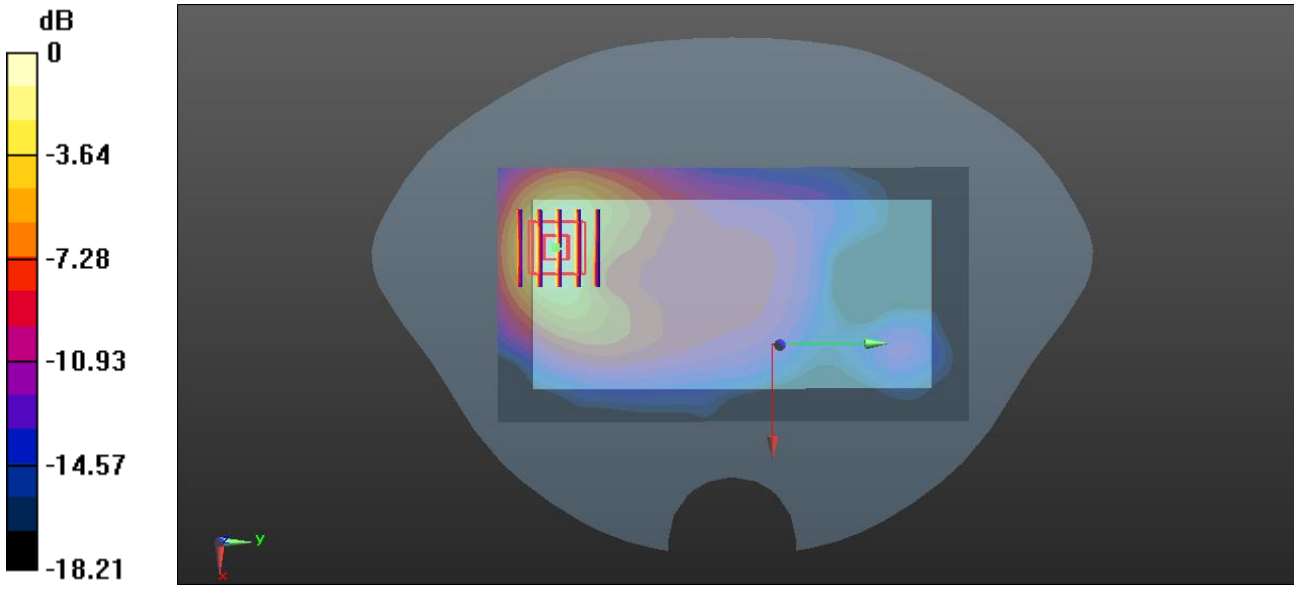
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.970 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.278 W/kg



0 dB = 0.278 W/kg

Meas.10 Body Plane with Top Side 10mm on Middle Channel in WCDMA Band2 mode with Antenna 1

Date: 2022.04.13

Communication System Band: II; Frequency: 1880.0 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880.0 MHz; σ = 1.370 S/m; ε_r = 40.239; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.854 W/kg

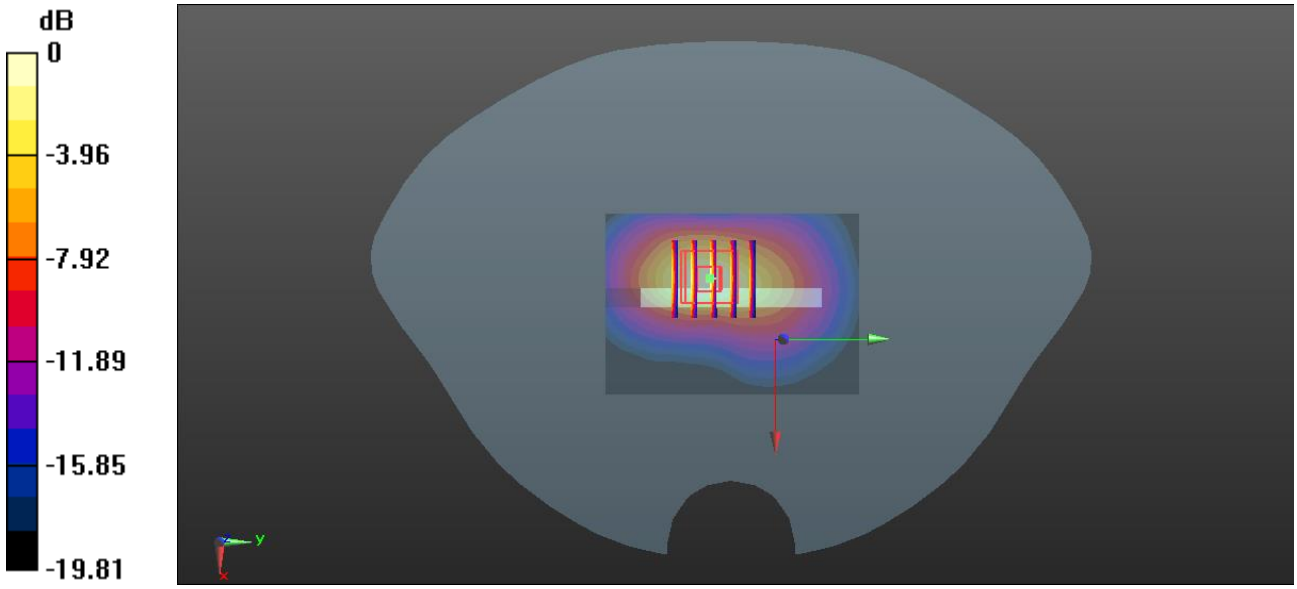
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.20 V/m; Power Drift =-0.10 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.375 W/kg

Maximum value of SAR (measured) = 0.873 W/kg



0 dB = 0.873 W/kg

Meas.11 Body Plane with Top Edge 0mm on High Channel in WCDMA Band2 mode with Antenna 1

Date: 2022.04.13

Communication System Band: II; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.383 S/m; ε_r = 39.865; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.79 W/kg

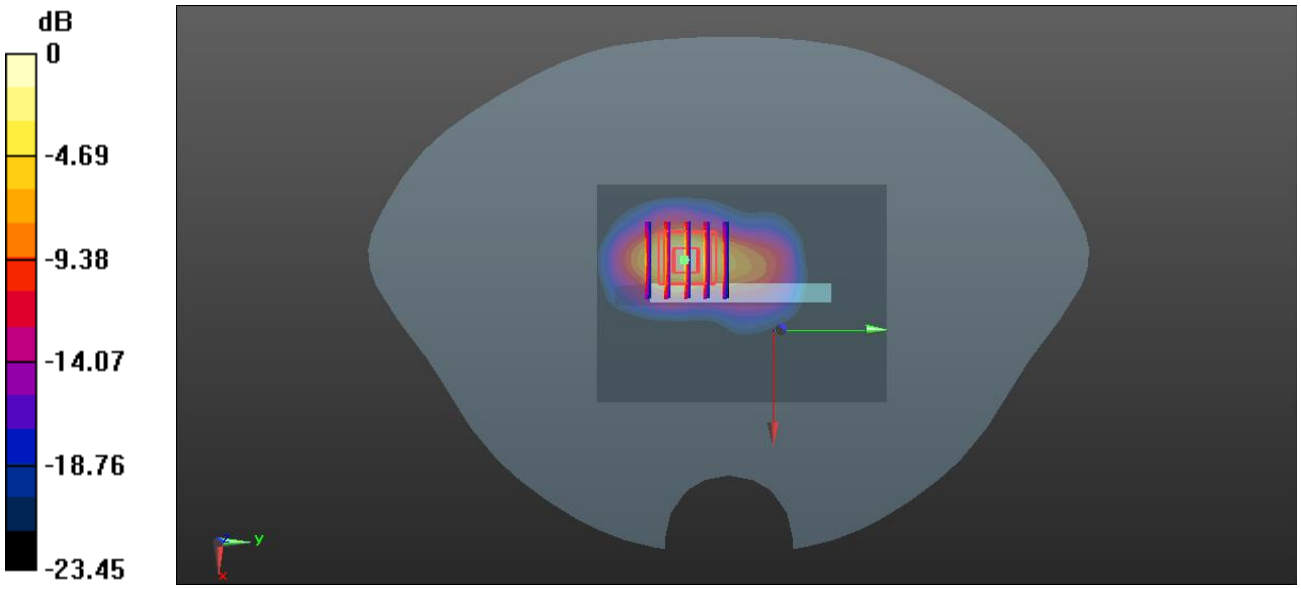
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.92 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 4.72 W/kg; SAR(10 g) = 1.85 W/kg

Maximum value of SAR (measured) = 6.00 W/kg



0 dB = 6.00 W/kg

Meas.12 Right Head with Tilt on Low Channel in WCDMA Band4 mode with Antenna 1

Date: 2022.04.11

Communication System Band: IV; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.318 S/m; ε_r = 40.529; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.612 W/kg

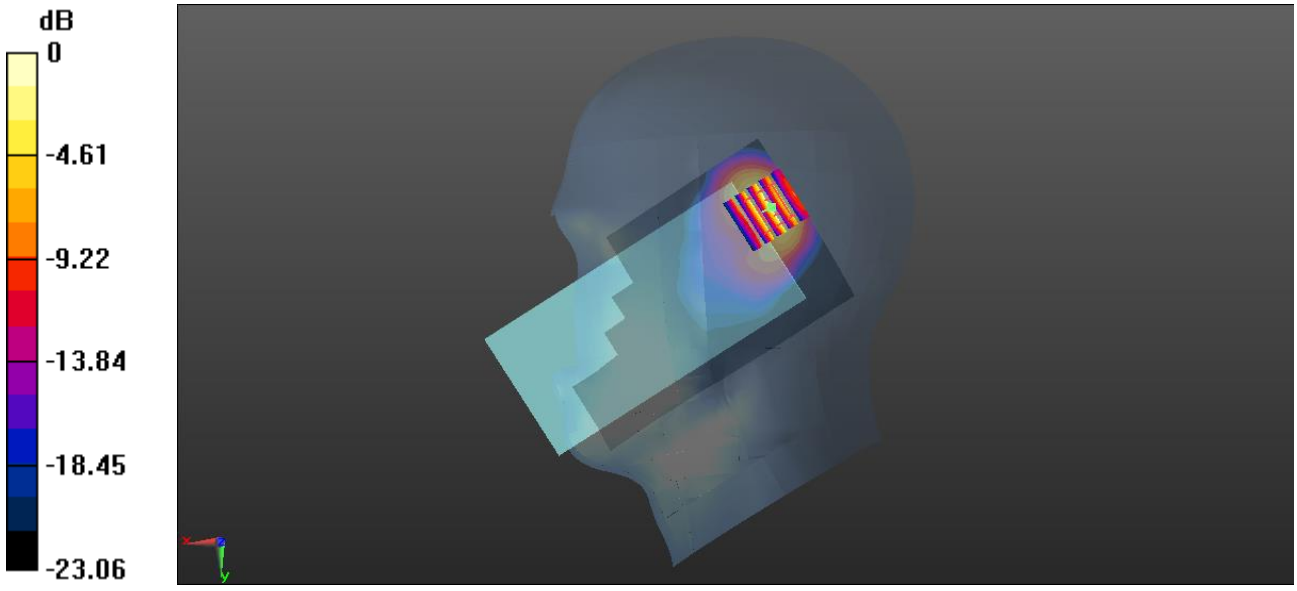
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.543 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.243 W/kg

Maximum value of SAR (measured) = 0.628 W/kg



0 dB = 0.628 W/kg

Meas.13 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2022.04.11

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.335 S/m; ε_r = 40.224; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.233 W/kg

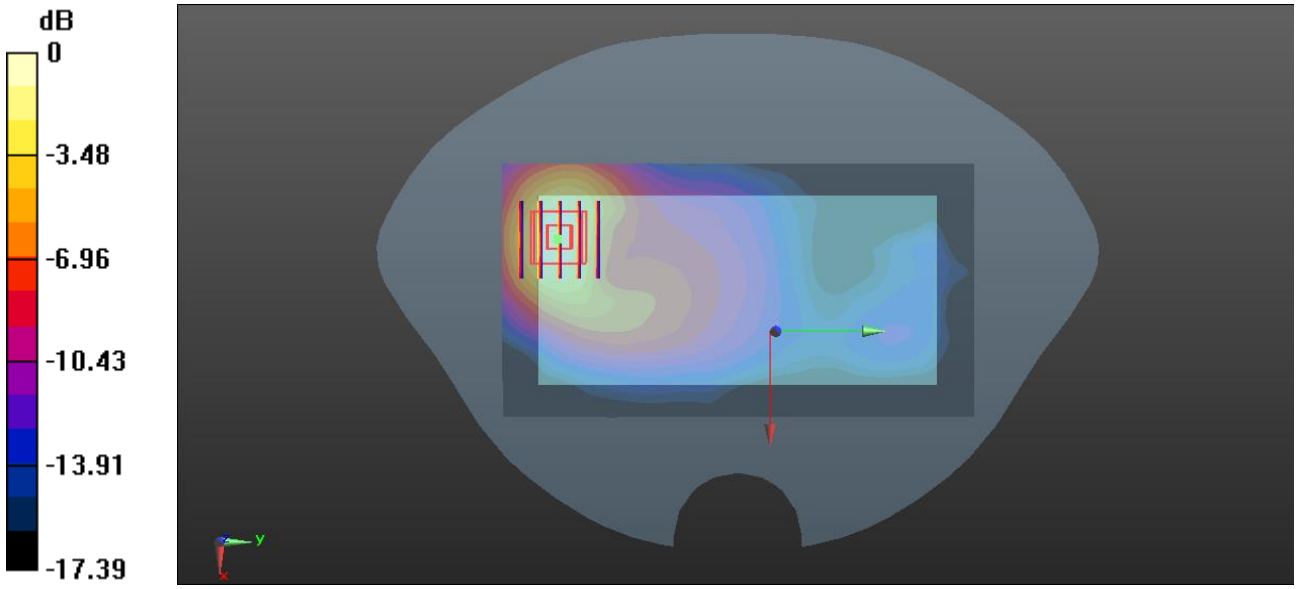
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.201 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.240 W/kg



0 dB = 0.240 W/kg

Meas.14 Body Plane with Top Side 10mm on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2022.04.11

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.335 S/m; ε_r = 40.224; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.640 W/kg

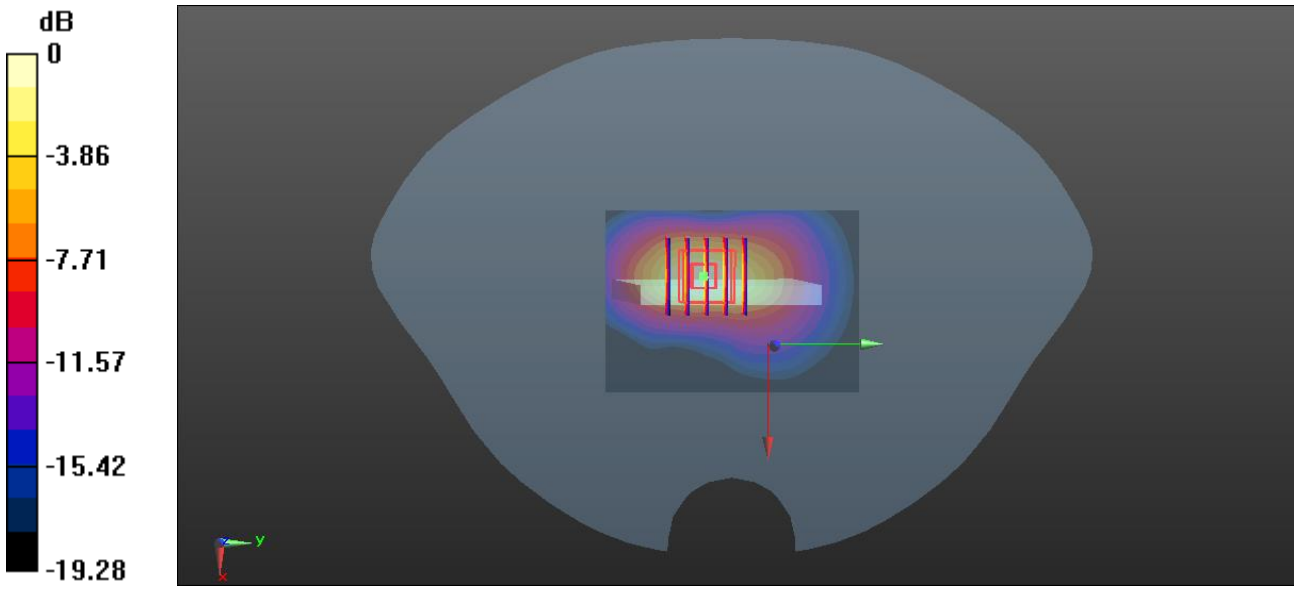
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.62 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.644 W/kg



0 dB = 0.644 W/kg

Meas.15 Body Plane with Back Side 0mm on Middle Channel in WCDMA Band4 mode with Antenna 1

Date: 2022.04.11

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

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.335 S/m; ε_r = 40.224; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 1.75 W/kg

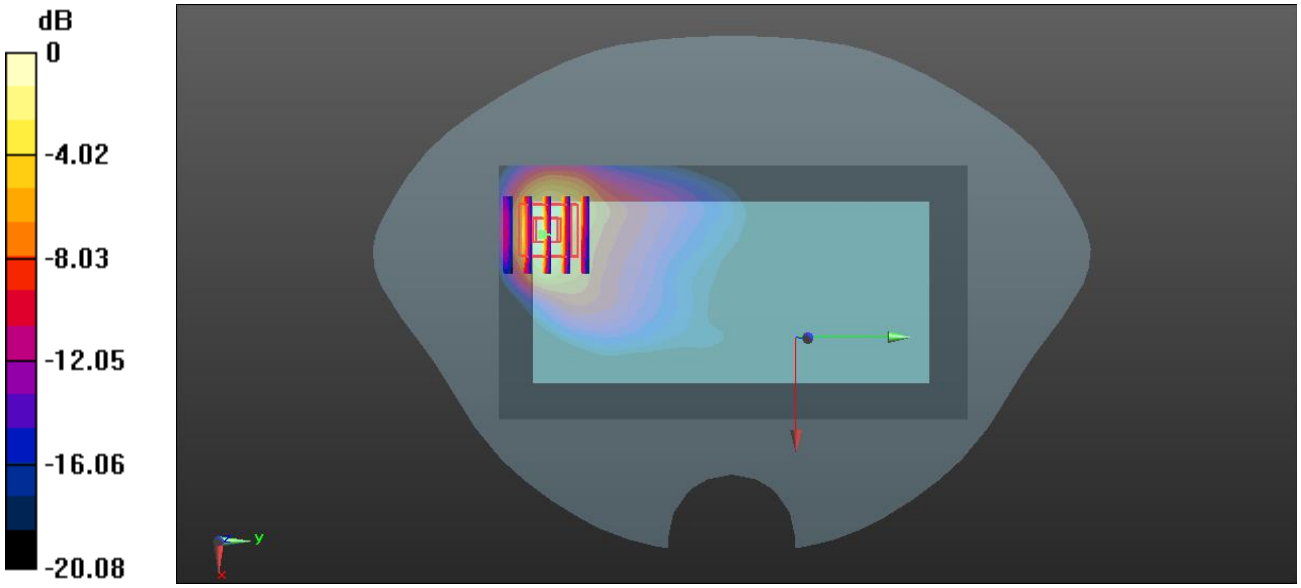
Ch1412/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.723 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 1.57 W/kg; SAR(10 g) = 0.731 W/kg

Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 1.84 W/kg

Meas.16 Right Head with Tilt on Low Channel in WCDMA Band5 mode with Antenna 1

Date: 2022.04.09

Communication System Band: V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.876 S/m; ε_r = 42.119; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.431 W/kg

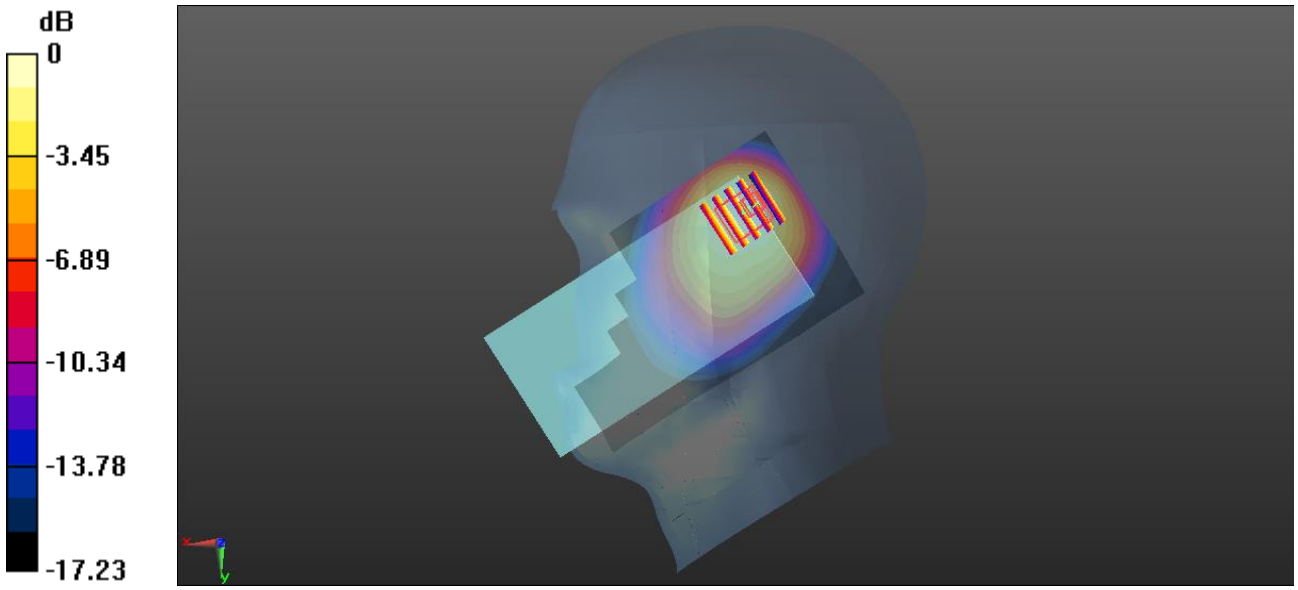
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.13 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.728 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.238 W/kg

Maximum value of SAR (measured) = 0.424 W/kg



0 dB = 0.424 W/kg

Meas.17 Body Plane with Back Side 15mm on Low Channel in WCDMA Band5 mode with Antenna 1

Date: 2022.04.09

Communication System Band:V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.876 S/m; ε_r = 42.119; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.154 W/kg

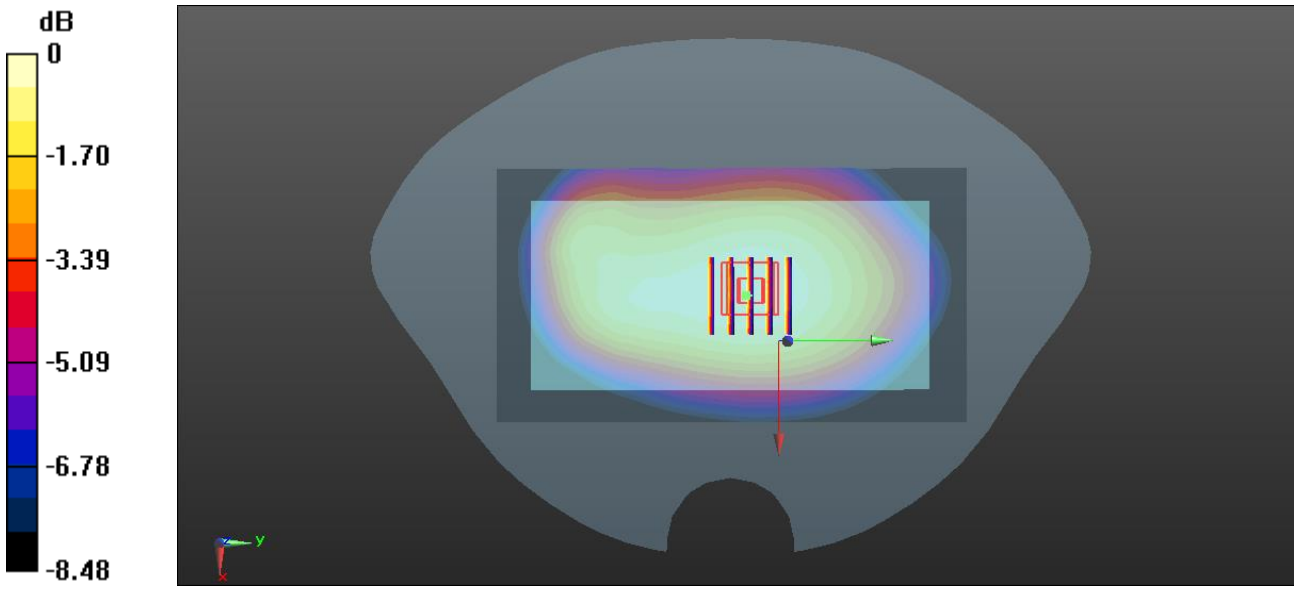
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.45 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.110 W/kg

Maximum value of SAR (measured) = 0.154 W/kg



0 dB = 0.154 W/kg

Meas.18 Body Plane with Back Side 10mm on Low Channel in WCDMA Band5 mode with Antenna 1

Date: 2022.04.09

Communication System Band:V; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.876 S/m; ε_r = 42.119; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.383 W/kg

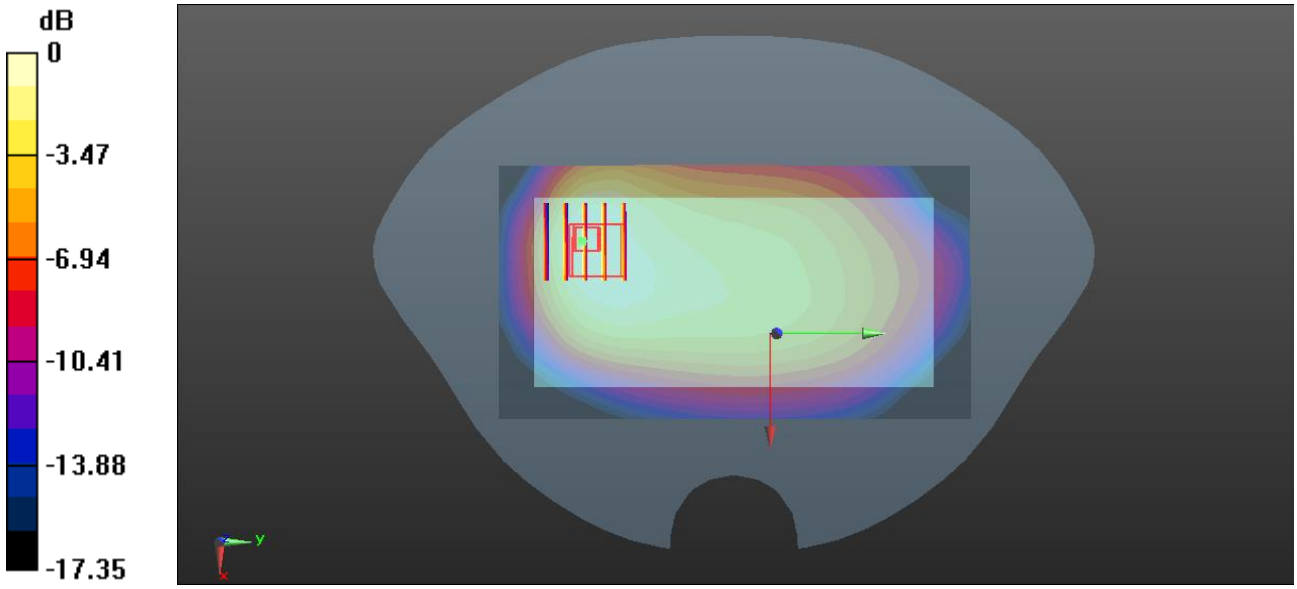
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.82 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.205 W/kg

Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg

Meas.19 Right Head with Tilt on High Channel in LTE Band2 mode with Antenna 1

Date: 2022.04.14

Communication System Band: Band 2; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.379 S/m; ε_r = 39.725; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.768 W/kg

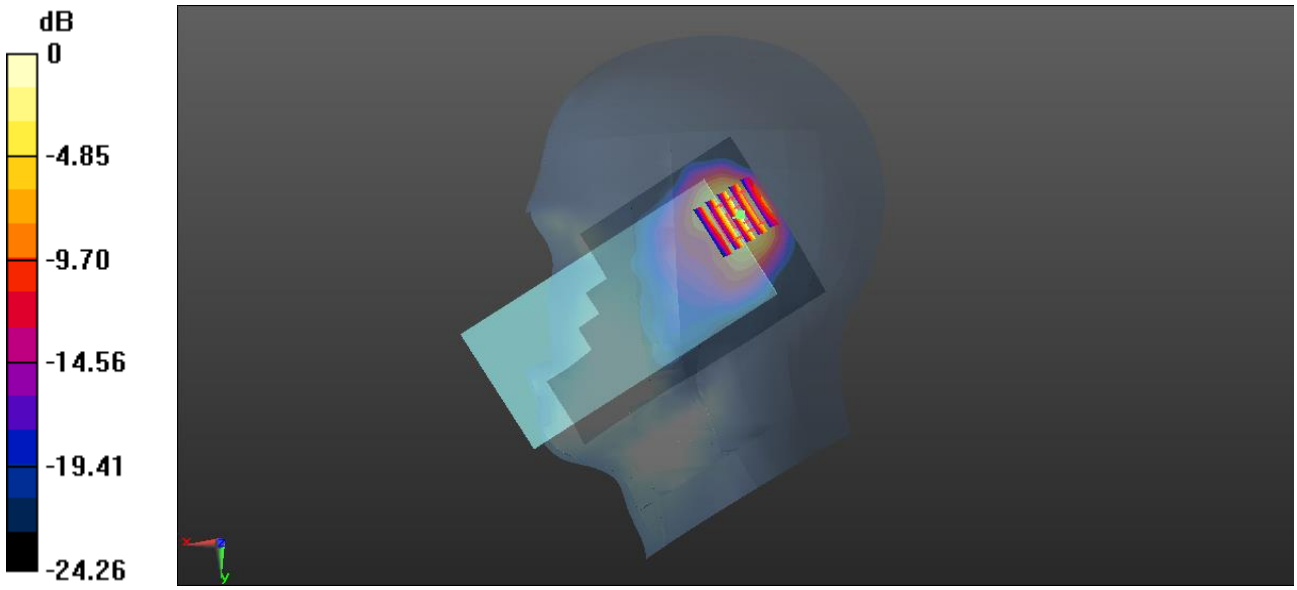
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.60 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.325 W/kg

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



0 dB = 0.842 W/kg

Meas.20 Body Plane with Back Side 15mm on High Channel in LTE Band2 mode with Antenna 1

Date: 2022.04.14

Communication System Band: Band 2; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1900 MHz; σ = 1.379 S/m; ε_r = 39.725; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.291 W/kg

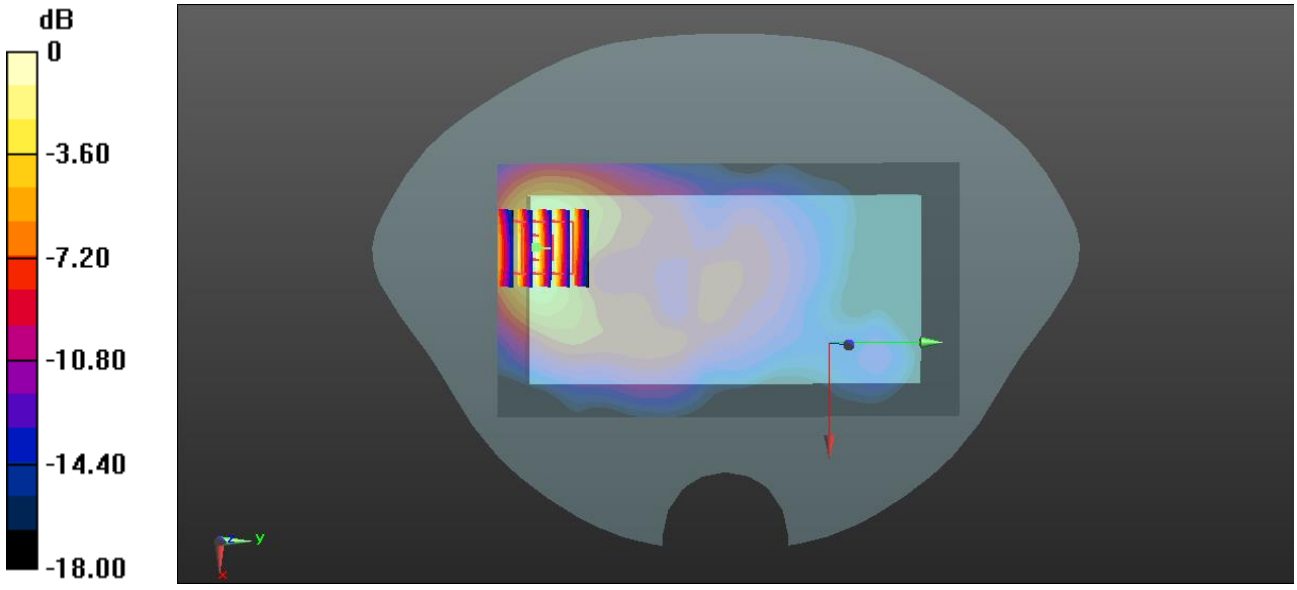
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.822 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.295 W/kg



0 dB = 0.295 W/kg

Meas.21 Body Plane with Top Edge 10mm on Middle Channel in LTE Band2 mode with Antenna 1

Date: 2022.04.14

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

Medium parameters used: f = 1880 MHz; σ = 1.369 S/m; ε_r = 39.984; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.811 W/kg

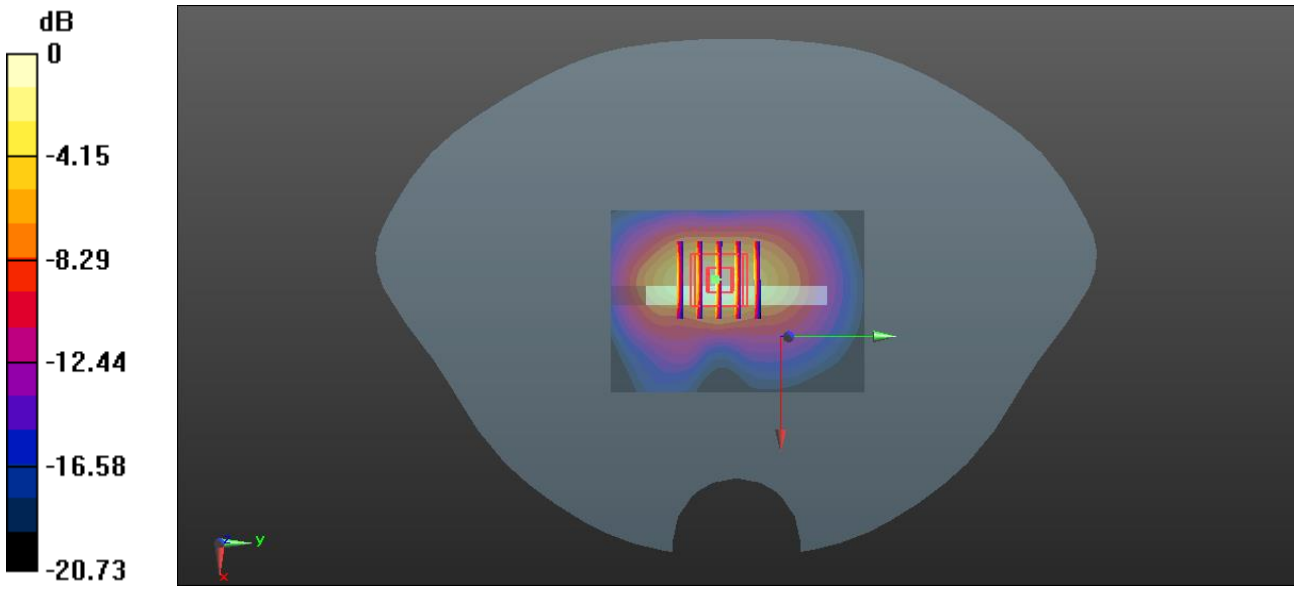
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.89 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.329 W/kg

Maximum value of SAR (measured) = 0.801 W/kg



0 dB = 0.801 W/kg

Meas.22 Body Plane with Top Edge 0mm on High Channel in LTE Band2 mode with Antenna 1

Date: 2022.04.14

Communication System Band: Band 2; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz; σ = 1.379 S/m; ε_r = 39.725; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.41 W/kg

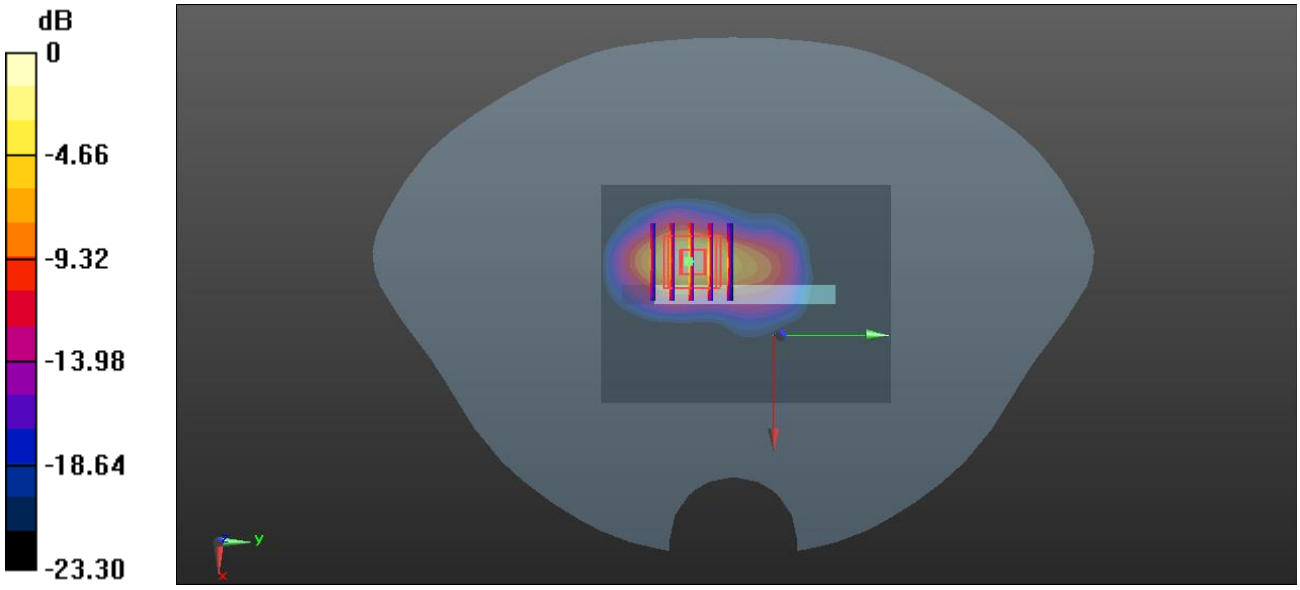
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.58 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 8.80 W/kg

SAR(1 g) = 3.63 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 4.59 W/kg



0 dB = 4.59 W/kg

Meas.23 Right Head with Tilt on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2022.04.12

Communication System Band: Band 4; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.338 S/m; ε_r = 40.232; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.564 W/kg

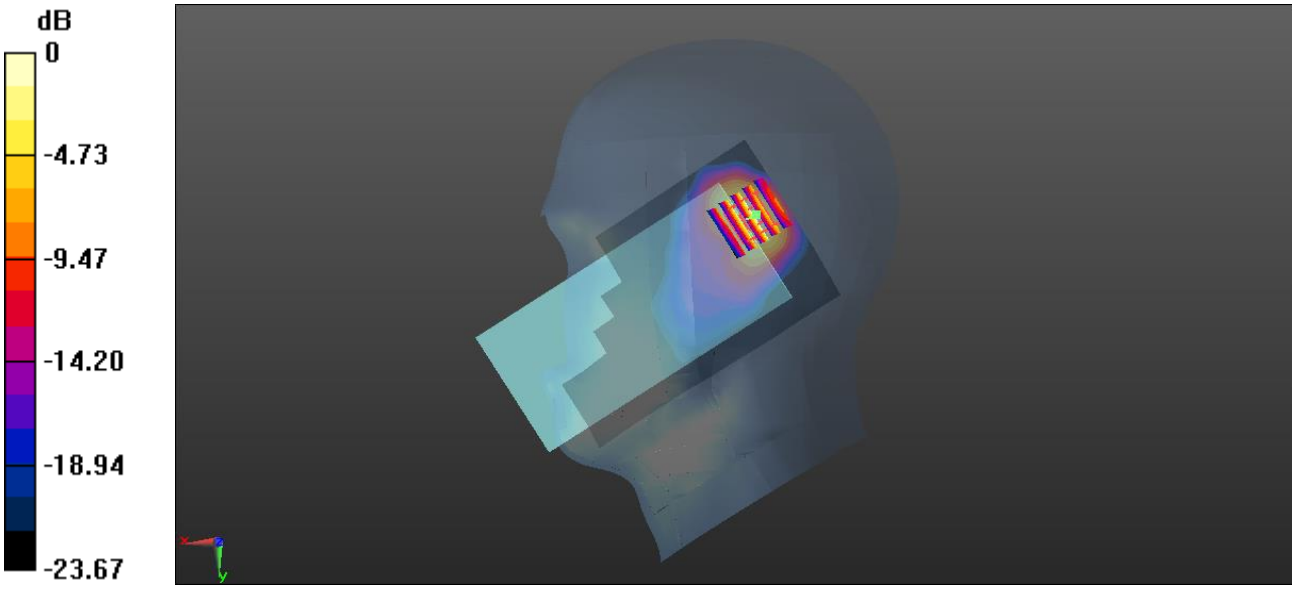
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.89 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 0.640 W/kg



0 dB = 0.640 W/kg

Meas.24 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2022.04.12

Communication System Band: Band 2; Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.338 S/m; ε_r = 40.232; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.294 W/kg

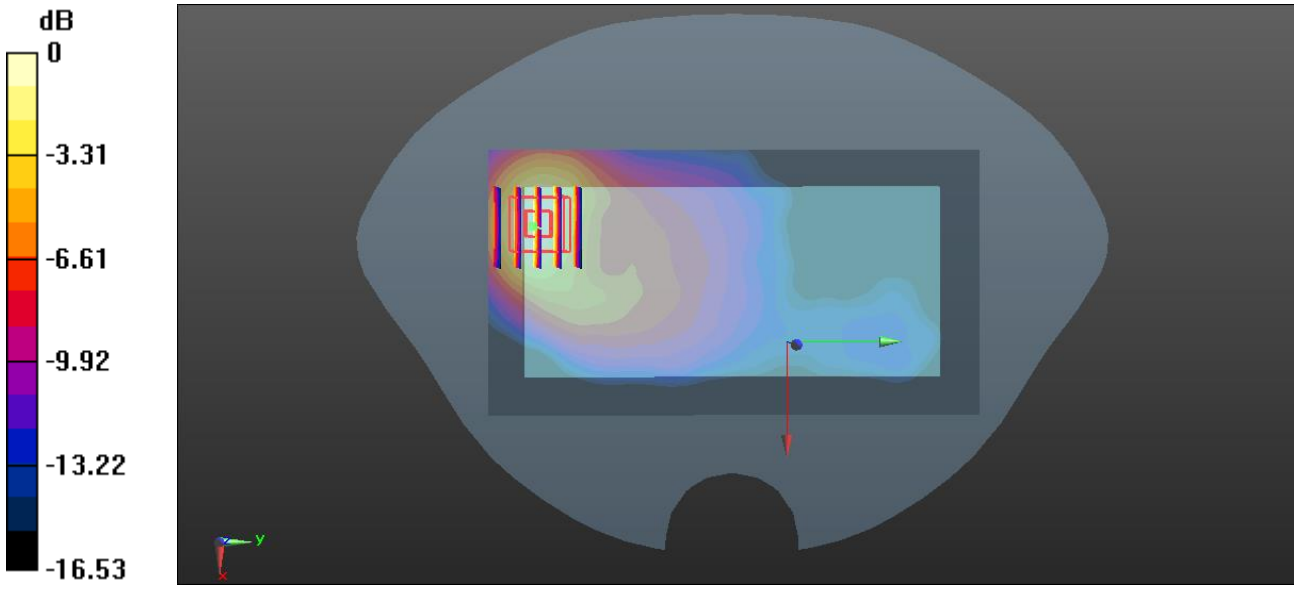
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.451 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.296 W/kg

Meas.25 Body Plane with Top Edge 10mm on High Channel in LTE Band4 mode with Antenna 1

Date: 2022.04.12

Communication System Band: Band 4; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.353 S/m; ε_r = 40.072; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.578 W/kg

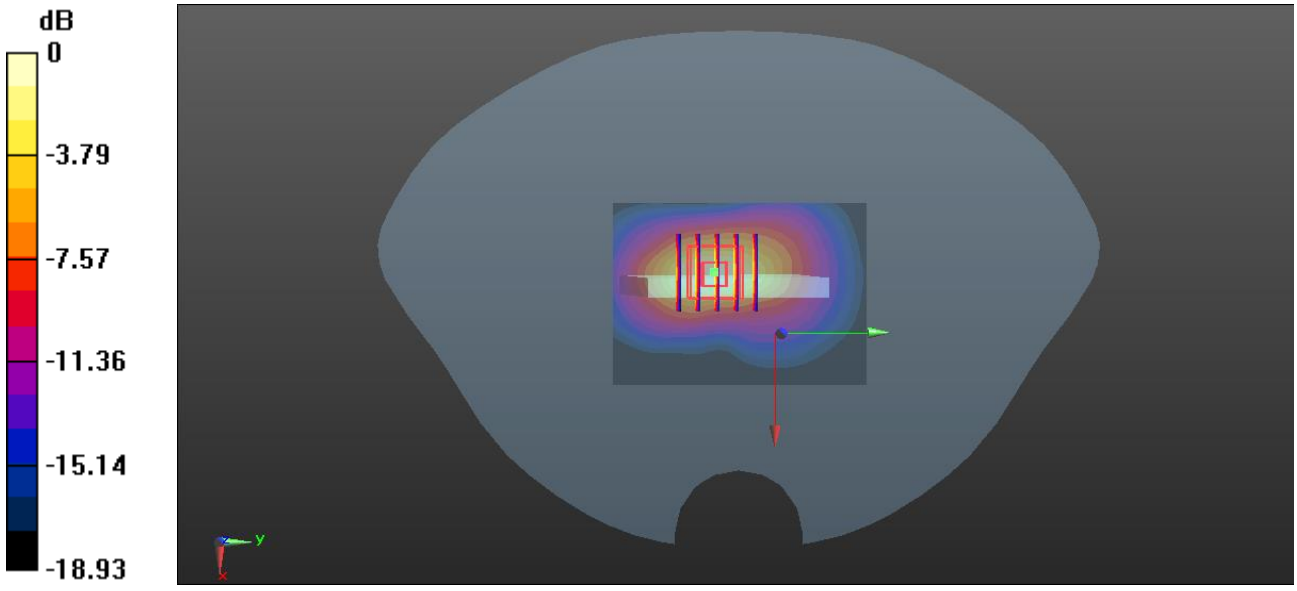
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.65 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 0.572 W/kg



0 dB = 0.572 W/kg

Meas.26 Body Plane with Bottom 0mm on Low Channel in LTE Band4 mode with Antenna 0

Date: 2022.04.12

Communication System Band: Band 4; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.330 S/m; ε_r = 40.382; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20050/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.44 W/kg

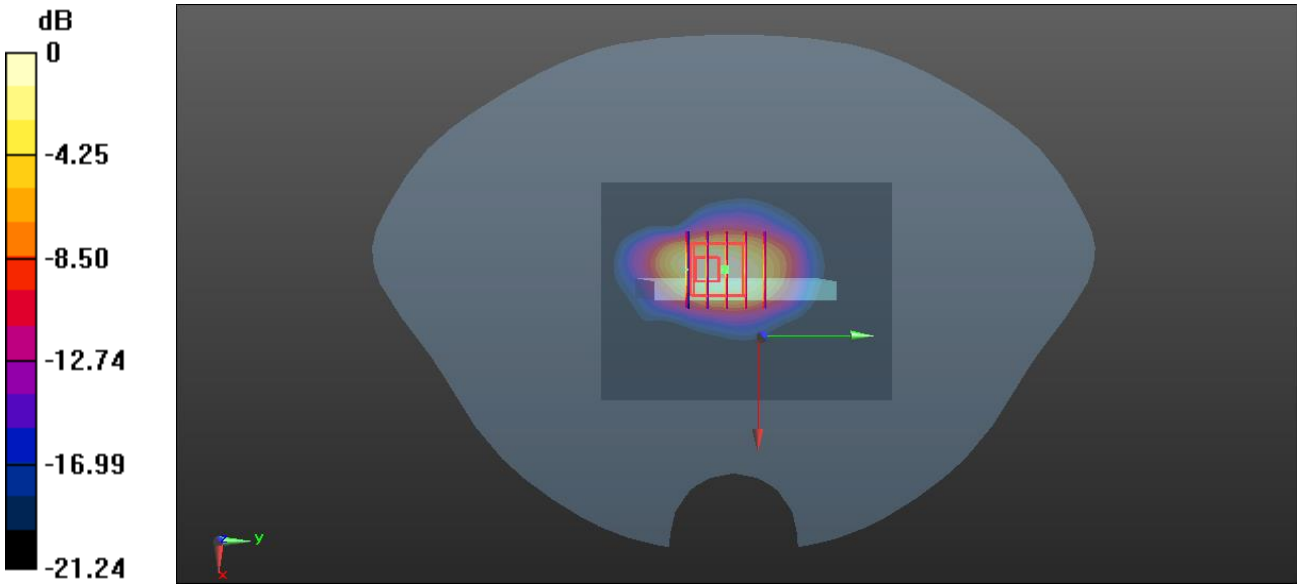
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.48 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 5.90 W/kg

SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.22 W/kg

Maximum value of SAR (measured) = 3.03 W/kg



0 dB = 3.03 W/kg

Meas.27 Right Head with Cheek on Low Channel in LTE Band5 mode with Antenna 1

Date: 2022.04.10

Communication System Band: Band 5; Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.879 S/m; ε_r = 41.992; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.677 W/kg

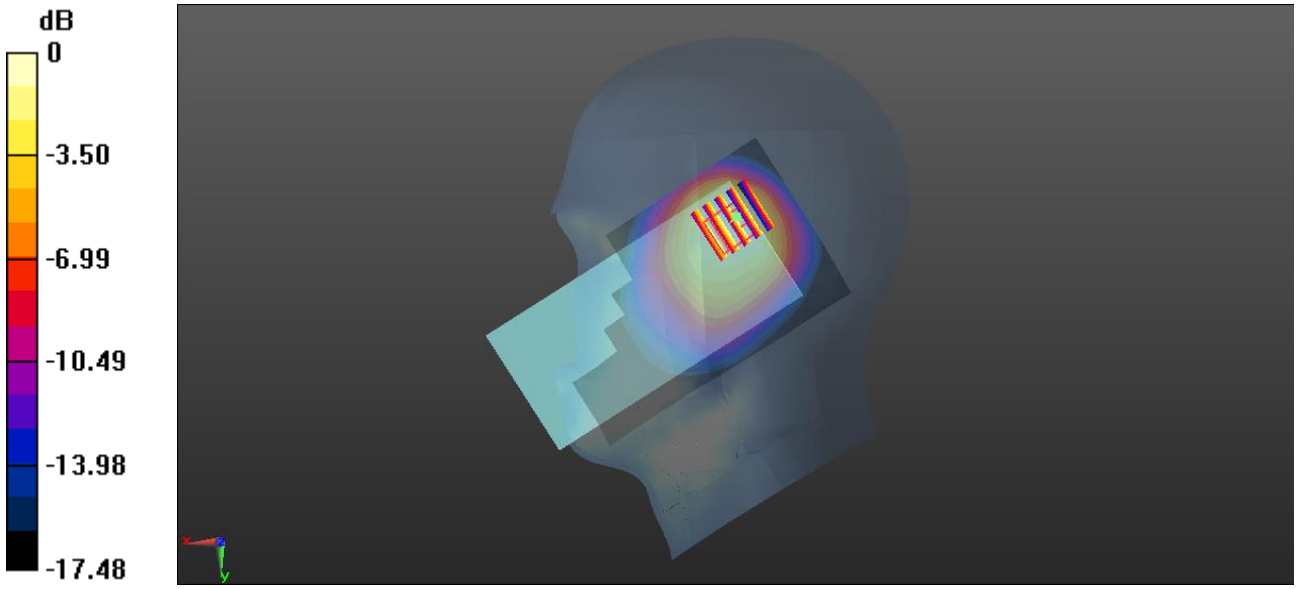
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.59 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.337 W/kg

Maximum value of SAR (measured) = 0.561 W/kg



0 dB = 0.561 W/kg

Meas.28 Body Plane with Back Side 15mm on Low Channel in LTE Band5 mode with Antenna 0

Date: 2022.04.10

Communication System Band: Band 5; Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.879 S/m; ε_r = 41.992; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.132 W/kg

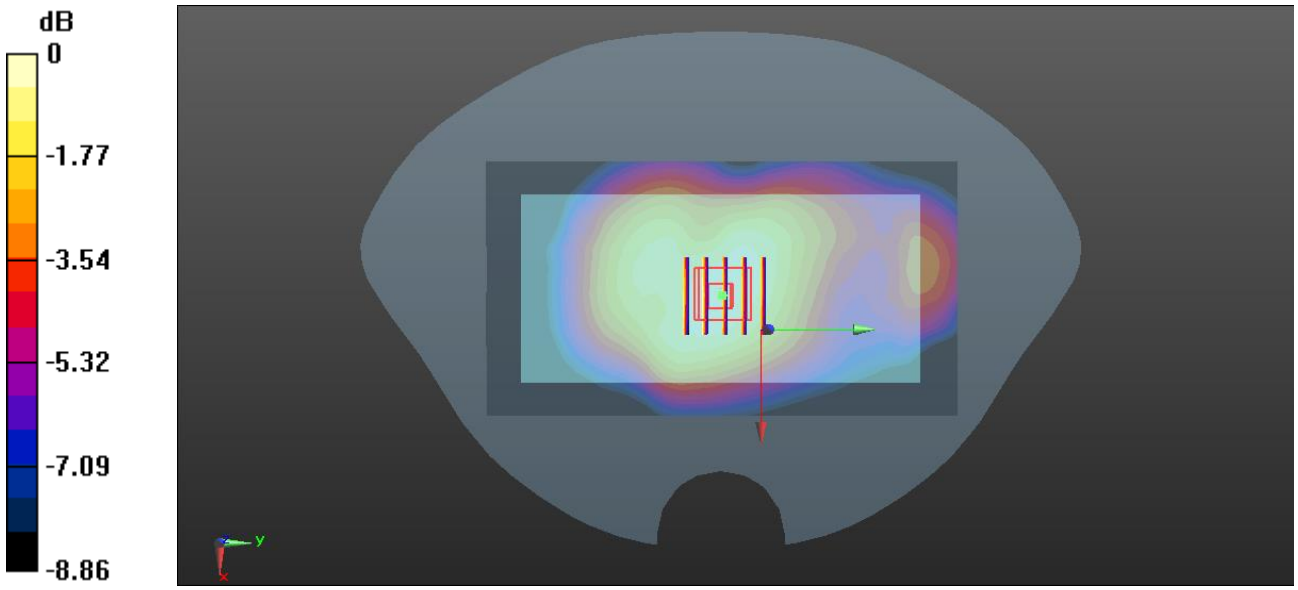
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.99 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.132 W/kg



0 dB = 0.132 W/kg

Meas.29 Body Plane with Back Side 10mm on Low Channel in LTE Band5 mode with Antenna 1

Date: 2022.04.10

Communication System Band: Band 5; Frequency: 829 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 829 MHz; σ = 0.879 S/m; ε_r = 41.992; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20450/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.283 W/kg

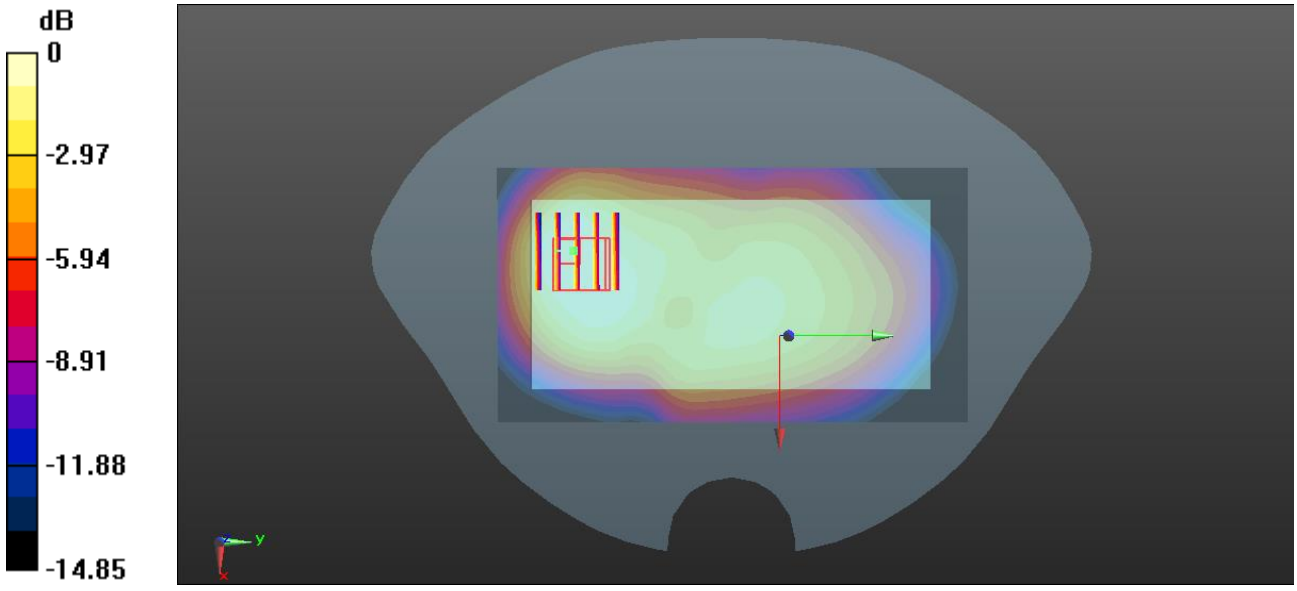
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.07 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg

Meas.30 Right Head with Tilt on High Channel in LTE Band7 mode with Antenna 1

Date: 2022.04.18

Communication System Band: Band 7; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.907 S/m; ε_r = 38.679; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.435 W/kg

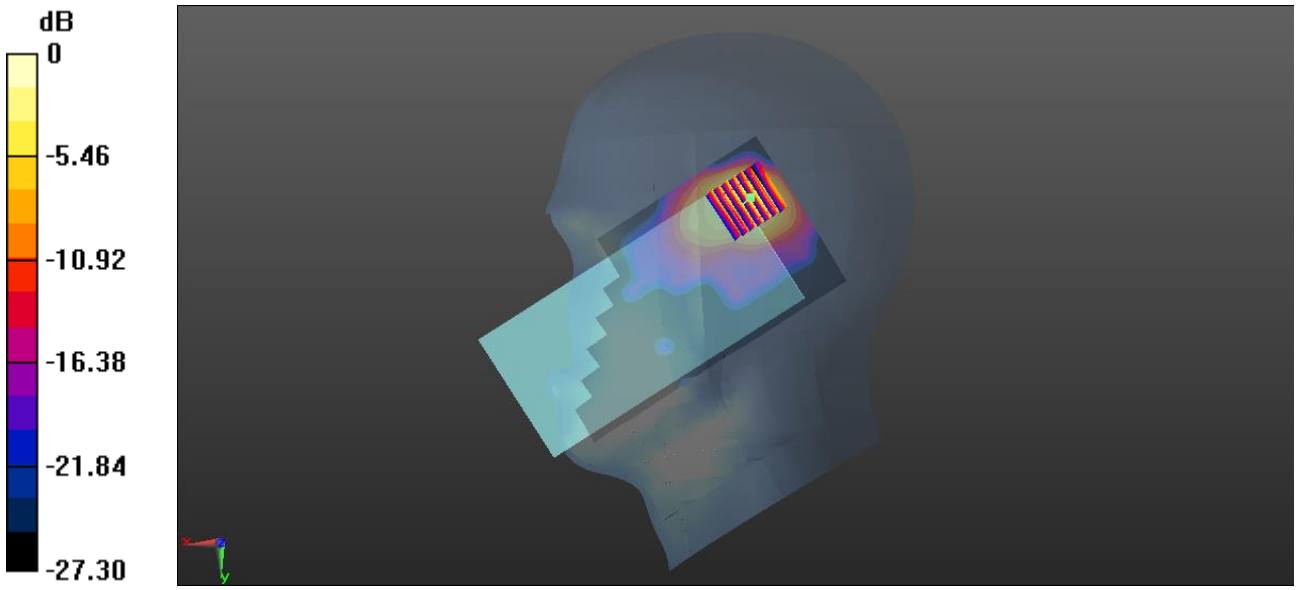
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.441 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.969 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.433 W/kg



0 dB = 0.433 W/kg

Meas.31 Body Plane with Back 15mm on High Channel in LTE Band7 mode with Antenna 0

Date: 2022.04.18

Communication System Band: Band 7; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.907 S/m; ε_r = 38.679; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.193 W/kg

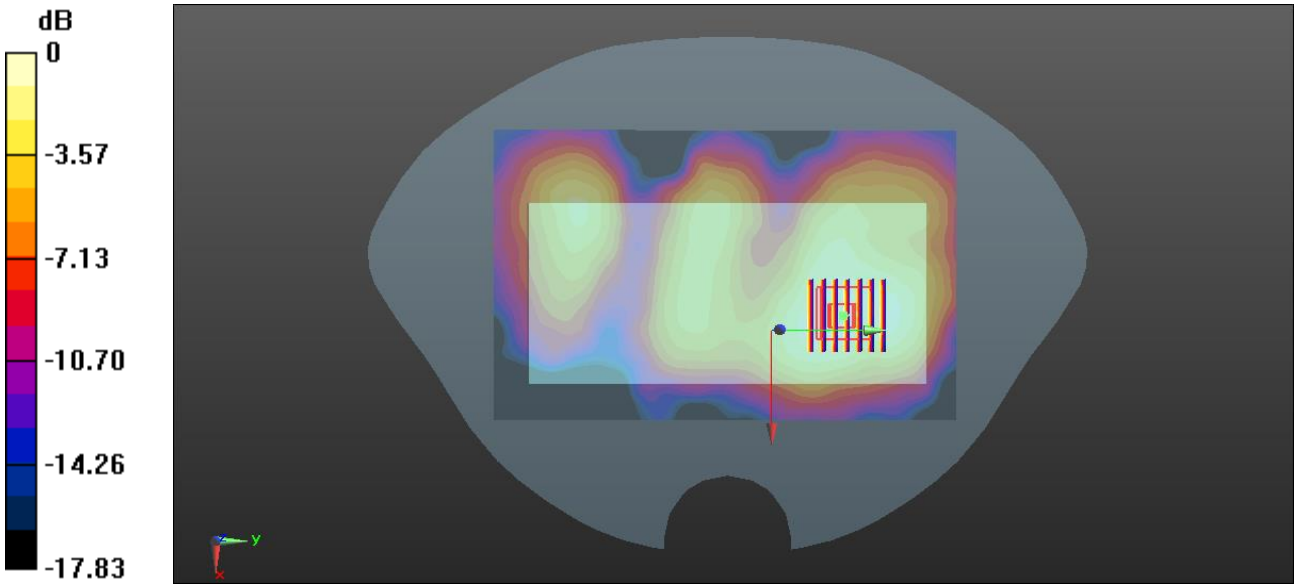
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.129 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.192 W/kg



0 dB = 0.192 W/kg

Meas.32 Body Plane with Back Side 10mm on High Channel in LTE Band7 mode with Antenna 0

Date: 2022.04.18

Communication System Band: Band 7; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.907 S/m; ε_r = 38.679; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.305 W/kg

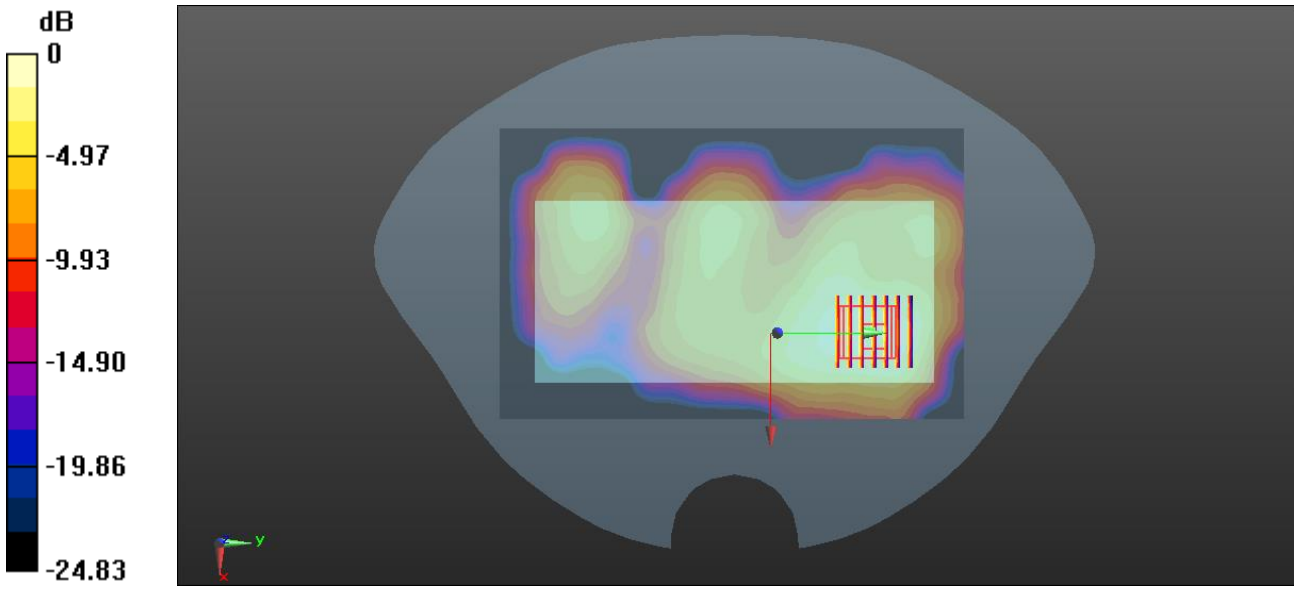
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.205 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.478 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.303 W/kg



0 dB = 0.303 W/kg

Meas.33 Right Head with Cheek on Low Channel in LTE Band12 mode with Antenna 1

Date: 2022.04.08

Communication System Band: Band 12; Frequency: 704 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 704 MHz; σ = 0.861 S/m; ε_r = 42.374; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.41, 10.41, 10.41); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.640 W/kg

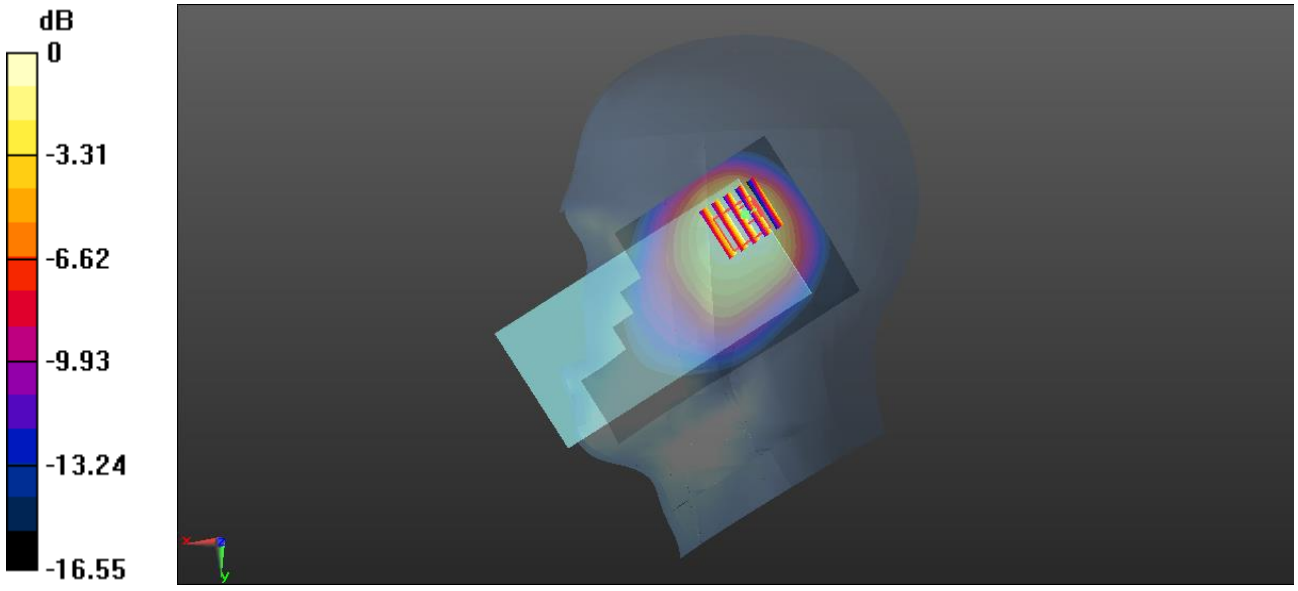
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.75 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 0.542 W/kg



0 dB = 0.542 W/kg

Meas.34 Body Plane with Back Side 15mm on Low Channel in LTE Band12 mode with Antenna 1

Date: 2022.04.08

Communication System Band: Band 12; Frequency: 704 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 704 MHz;σ = 0.861 S/m; ε_r = 42.374; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.41, 10.41, 10.41); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.211 W/kg

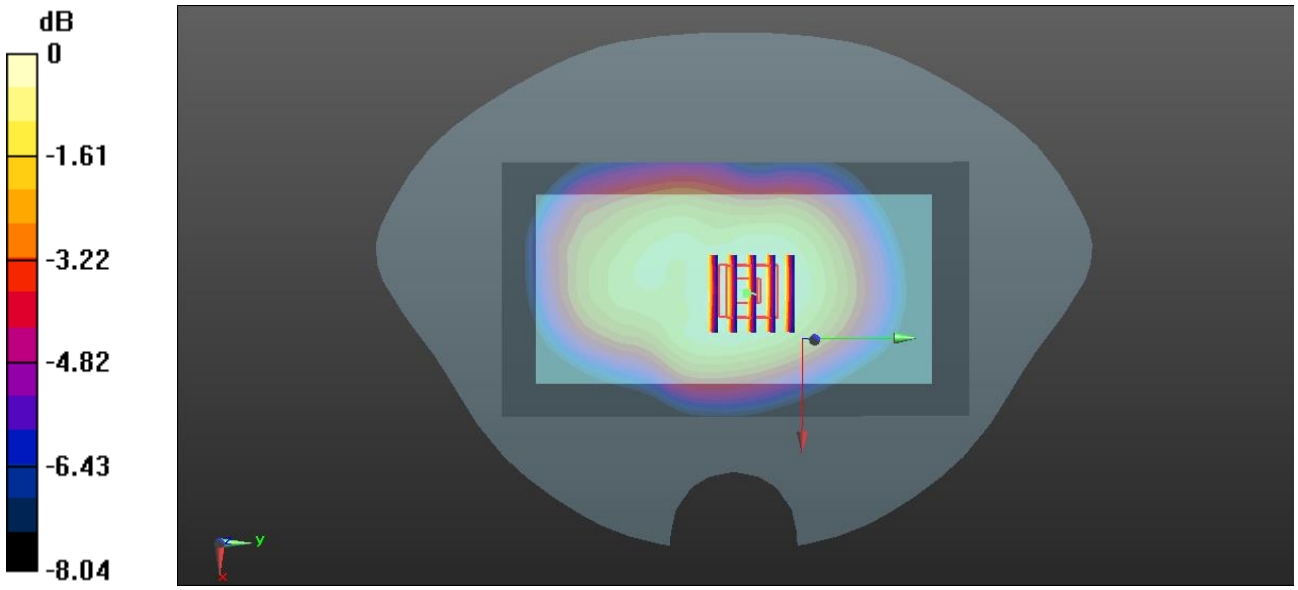
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.53 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg

Meas.35 Body Plane with Right Edge 10mm on Low Channel in LTE Band12 mode with Antenna 1

Date: 2022.04.08

Communication System Band: Band 12; Frequency: 704 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 704 MHz;σ = 0.861 S/m; ε_r = 42.374; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.41, 10.41, 10.41); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (51x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.202 W/kg

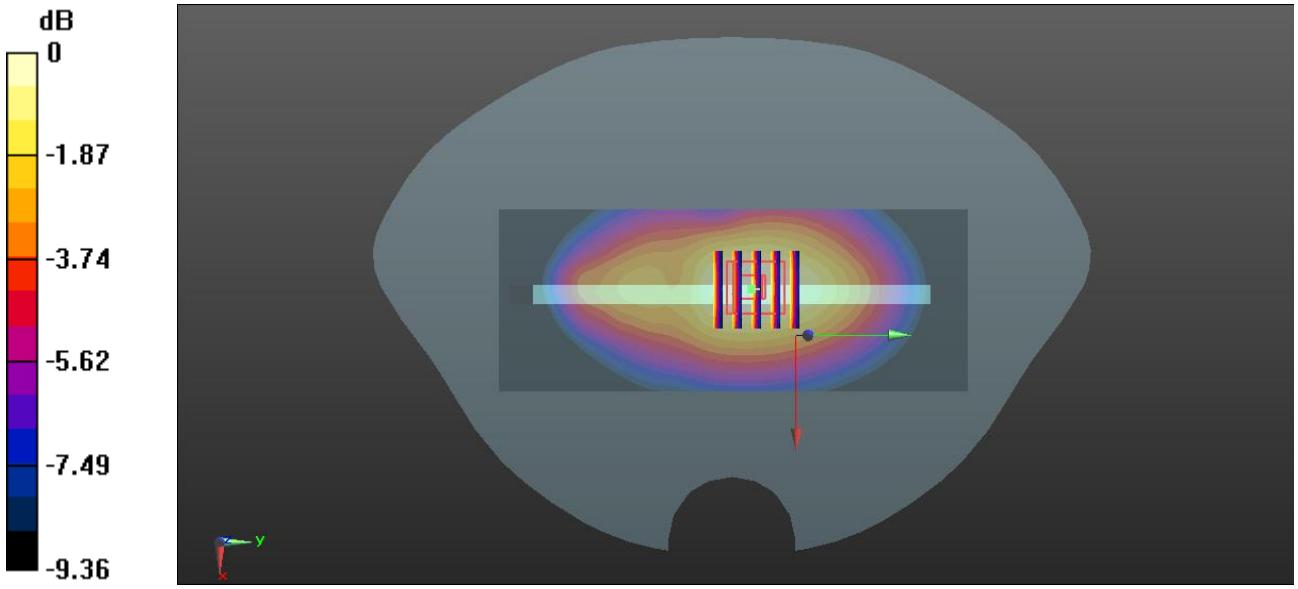
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.40 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.201 W/kg



0 dB = 0.201 W/kg

Meas.36 Right Head with Tilt on High Channel in LTE Band38 mode with Antenna 1

Date: 2022.04.19

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.966 S/m; ε_r = 38.323; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.486 W/kg

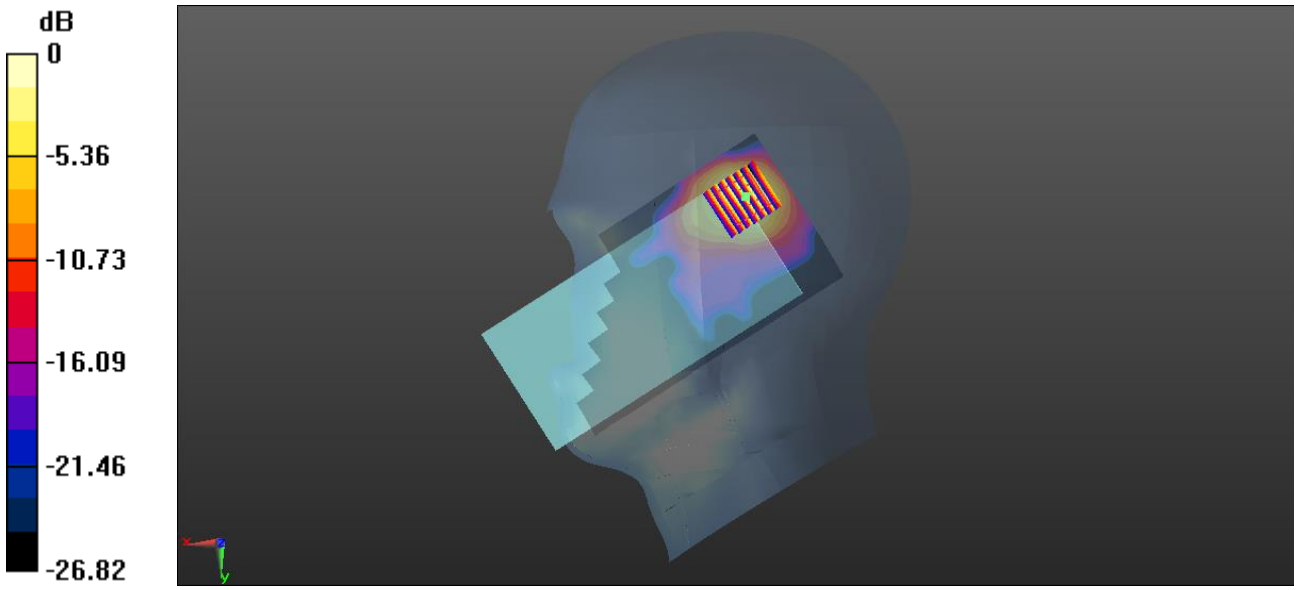
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.148 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.162 W/kg

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



0 dB = 0.452 W/kg

Meas.37 Body Plane with Back 15mm on High Channel in LTE Band38 mode with Antenna 1

Date: 2022.04.19

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.966 S/m; ε_r = 38.323; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.211 W/kg

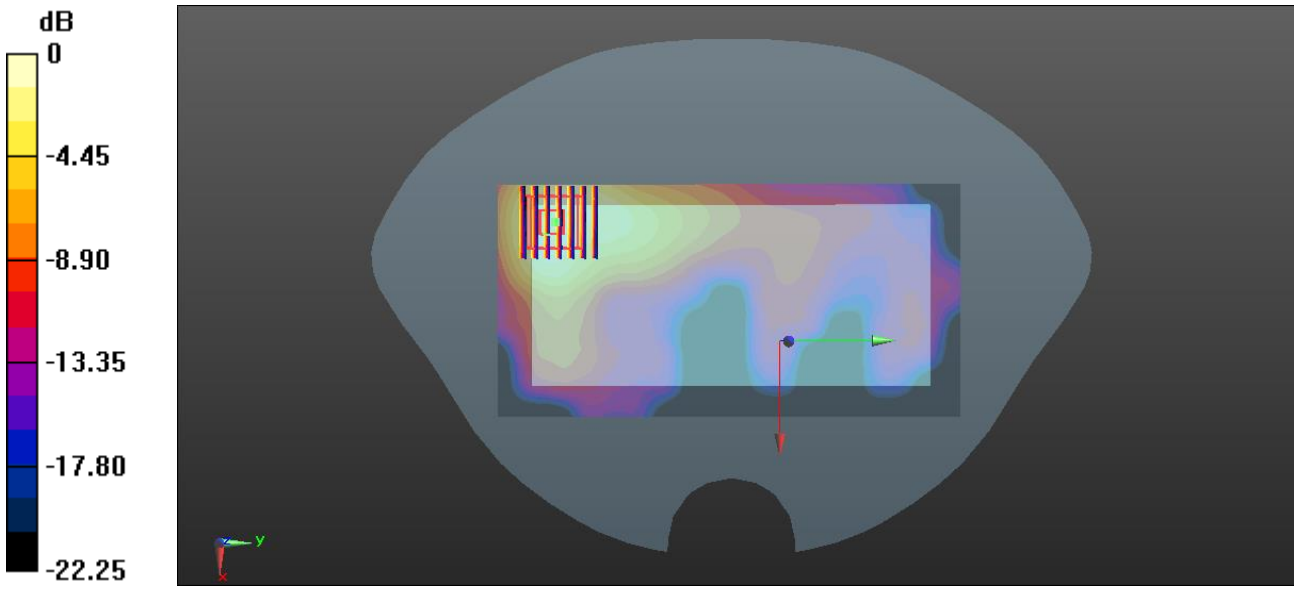
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.413 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.205 W/kg



0 dB = 0.205 W/kg

Meas.38 Body Plane with Back 10mm on High Channel in LTE Band38 mode with Antenna 1

Date: 2022.04.19

Communication System Band: Band 38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.966 S/m; ε_r = 38.323; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.421 W/kg

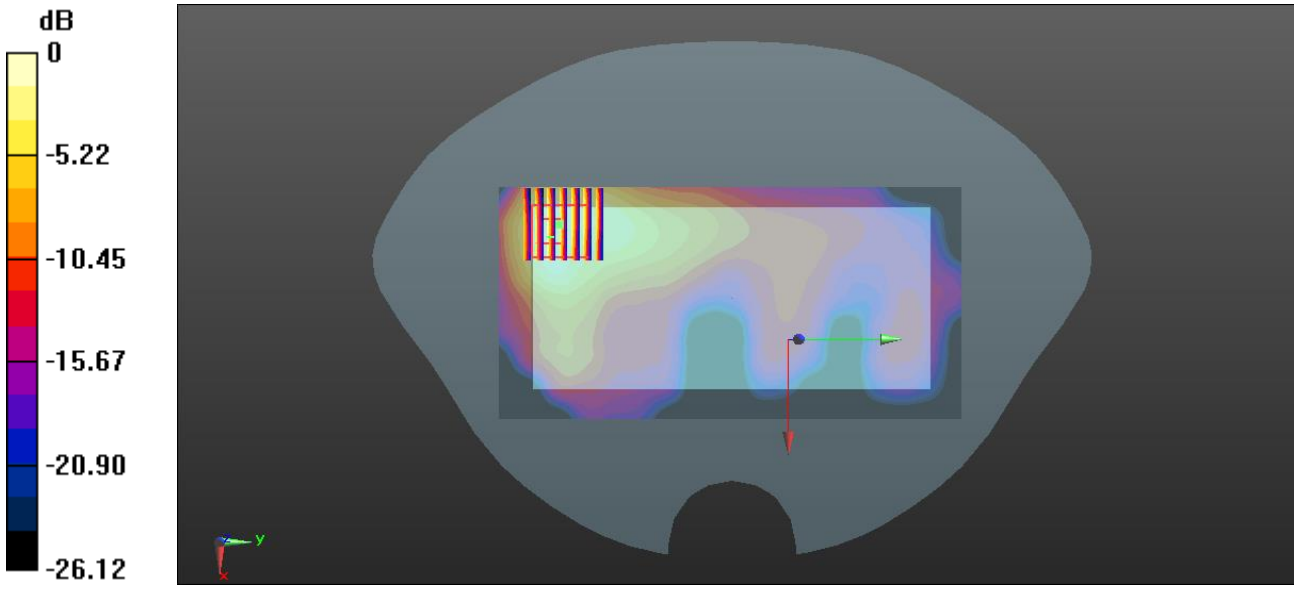
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.623 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.181 W/kg

Maximum value of SAR (measured) = 0.410 W/kg



0 dB = 0.410 W/kg

Meas.39 Right Head with Tilt on High Channel in LTE Band41 mode with Antenna 1

Date: 2022.04.21

Communication System Band: Band 41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.042 S/m; ε_r = 38.411; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.397 W/kg

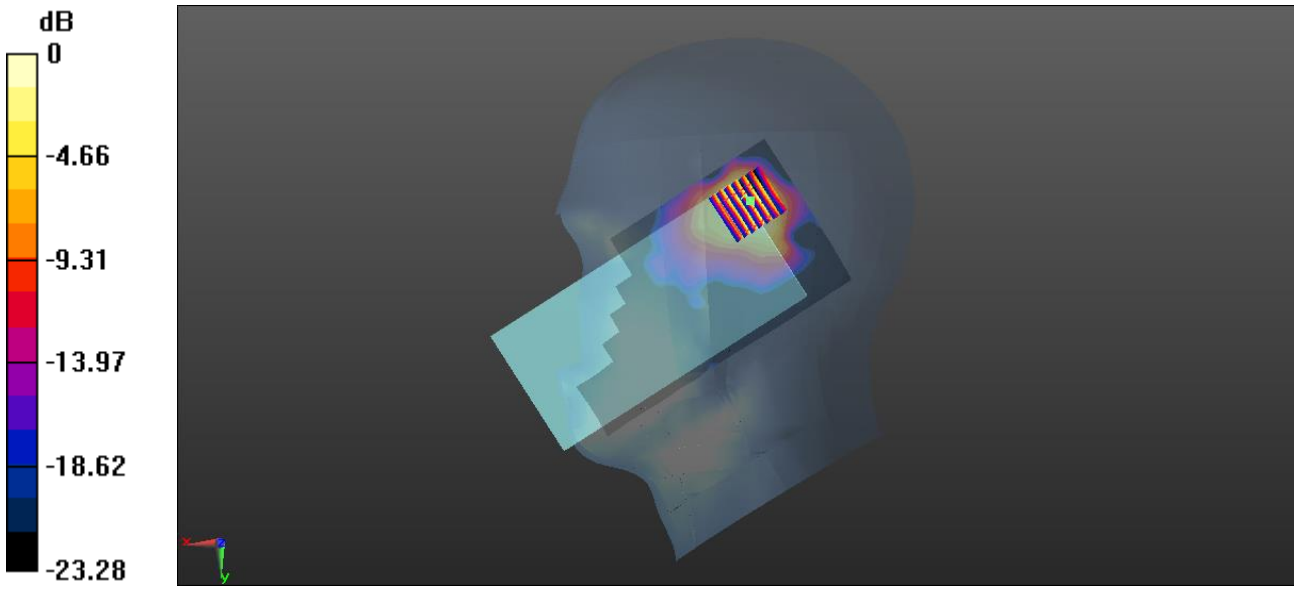
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.751 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.742 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.343 W/kg

Meas.40 Body Plane with Back 15mm on High Channel in LTE Band41 mode with Antenna 1

Date: 2022.04.21

Communication System Band: Band 41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.042 S/m; ε_r = 38.411; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.166 W/kg

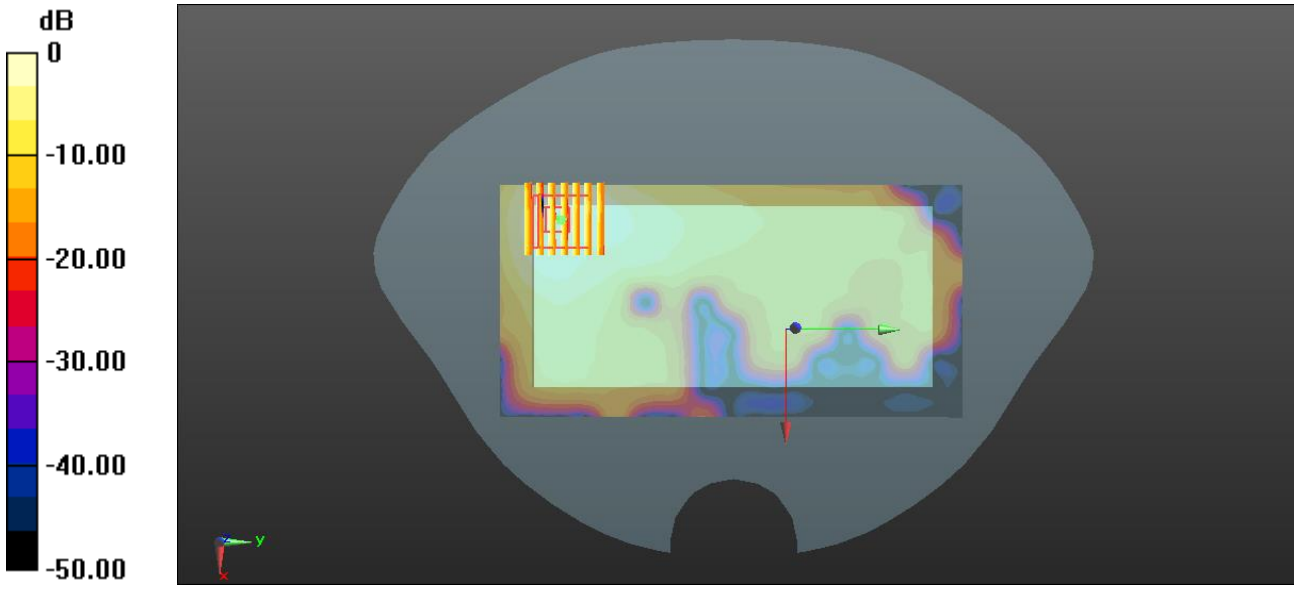
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.408 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.073 W/kg

Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg

Meas.41 Body Plane with Back 10mm on High Channel in LTE Band41 mode with Antenna 1

Date: 2022.04.21

Communication System Band: Band 41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.042 S/m; ε_r = 38.411; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.324 W/kg

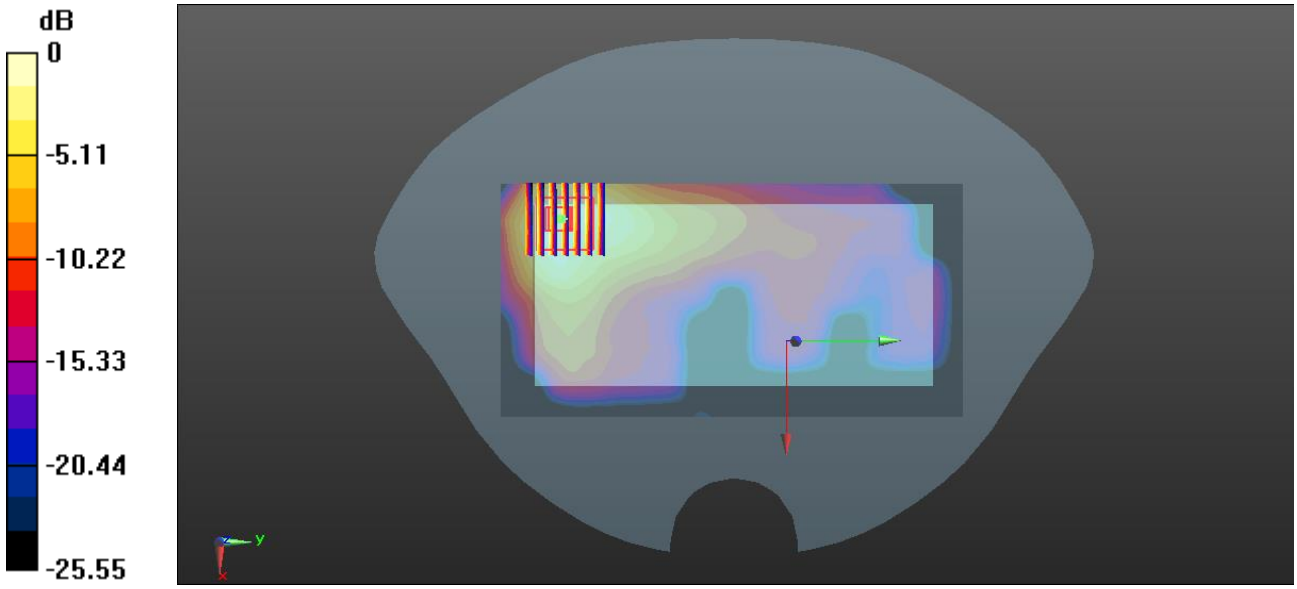
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.683 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.305 W/kg



0 dB = 0.305 W/kg

Meas.42 Right Head with Cheek on 167300 Channel in N5 mode with Antenna 1

Date: 2022.04.10

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.885 S/m; ε_r = 41.787; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.500 W/kg

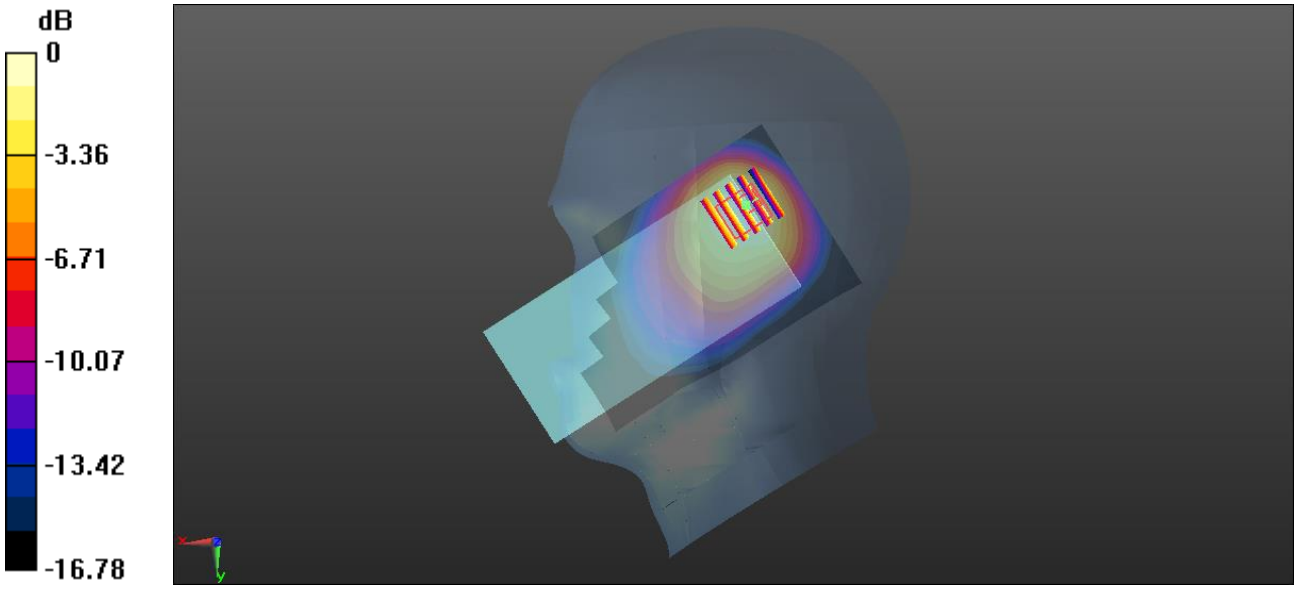
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.32 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.793 W/kg

SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.259 W/kg

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



0 dB = 0.445 W/kg

Meas.43 Body Plane with Back Side 15mm on 167300 Channel in N5 mode with Antenna 1

Date: 2022.04.10

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.885 S/m; ε_r = 41.787; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.227 W/kg

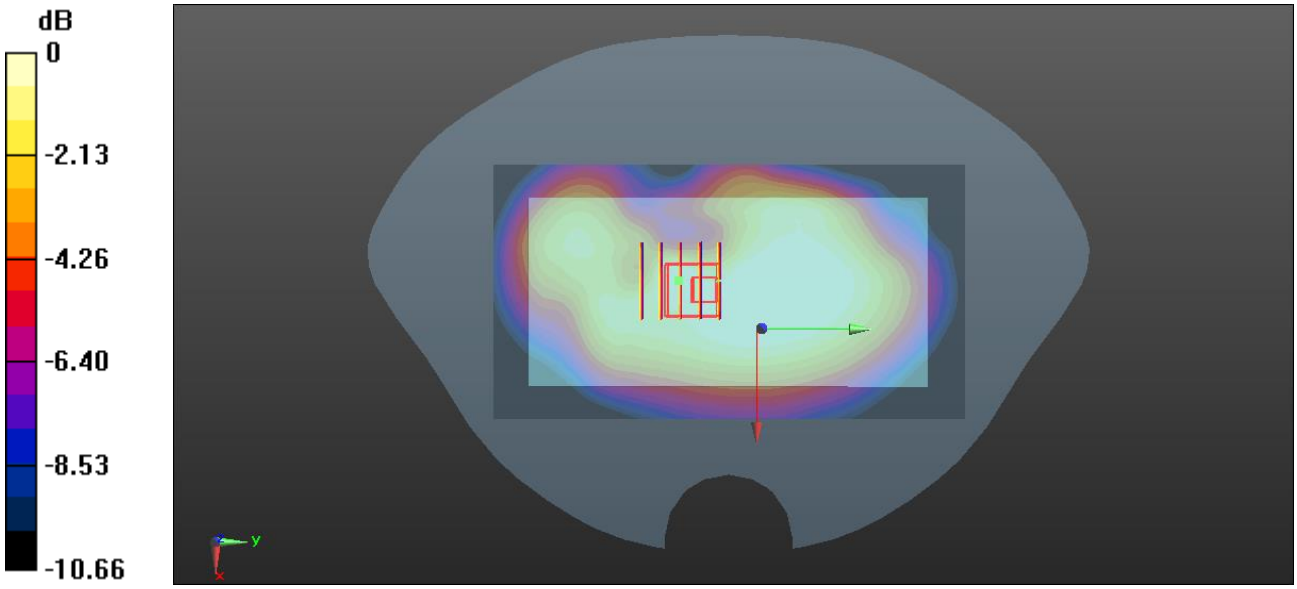
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.50 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



0 dB = 0.168 W/kg

Meas.44 Body Plane with Back Side 10mm on 167300 Channel in N5 mode with Antenna 1

Date: 2022.04.10

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.885 S/m; ε_r = 41.787; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.312 W/kg

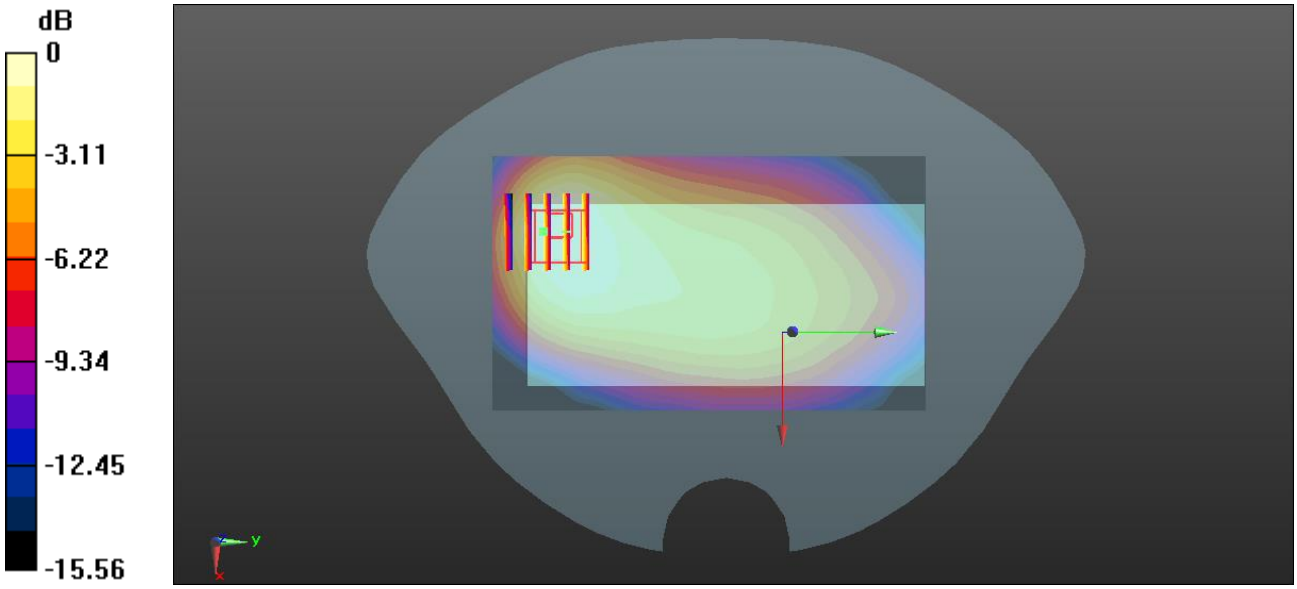
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.70 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.304 W/kg



0 dB = 0.304 W/kg

Meas.45 Right Head with Tilt on 507000 Channel in N7 mode with Antenna 1

Date: 2022.04.18

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.878 S/m; ε_r = 38.859; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.561 W/kg

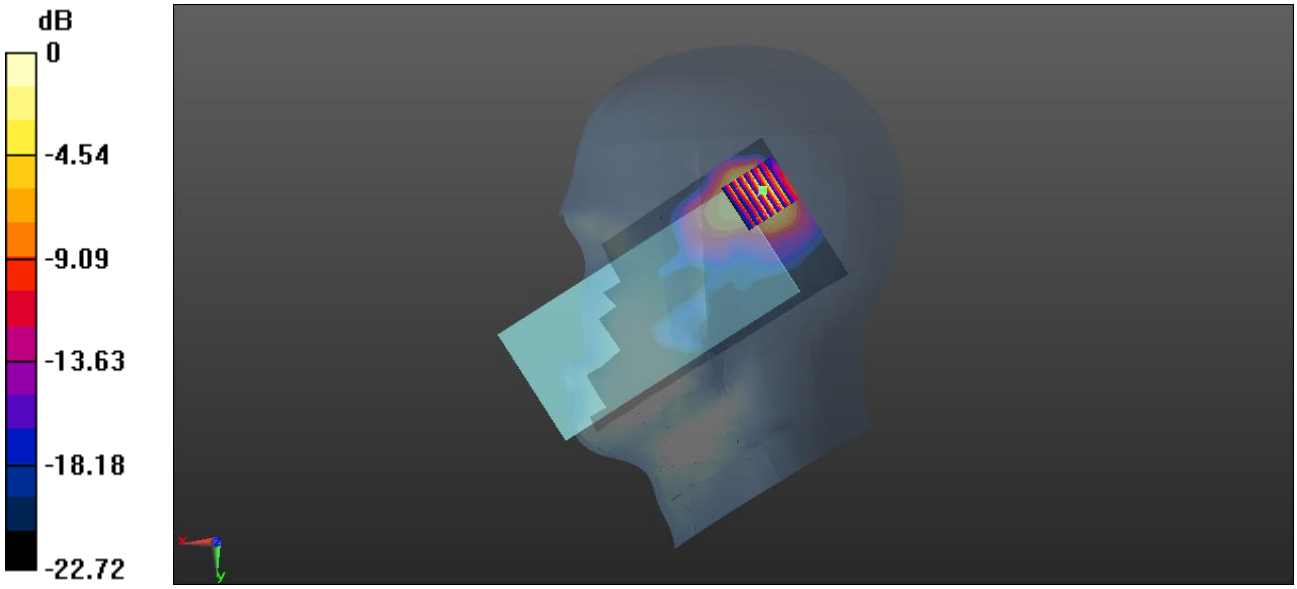
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.898 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 0.576 W/kg



0 dB = 0.576 W/kg

Meas.46 Body Plane with Back 15mm on 507000 Channel in N7 mode with Antenna 1

Date: 2022.04.18

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.878 S/m; ε_r = 38.859; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.209 W/kg

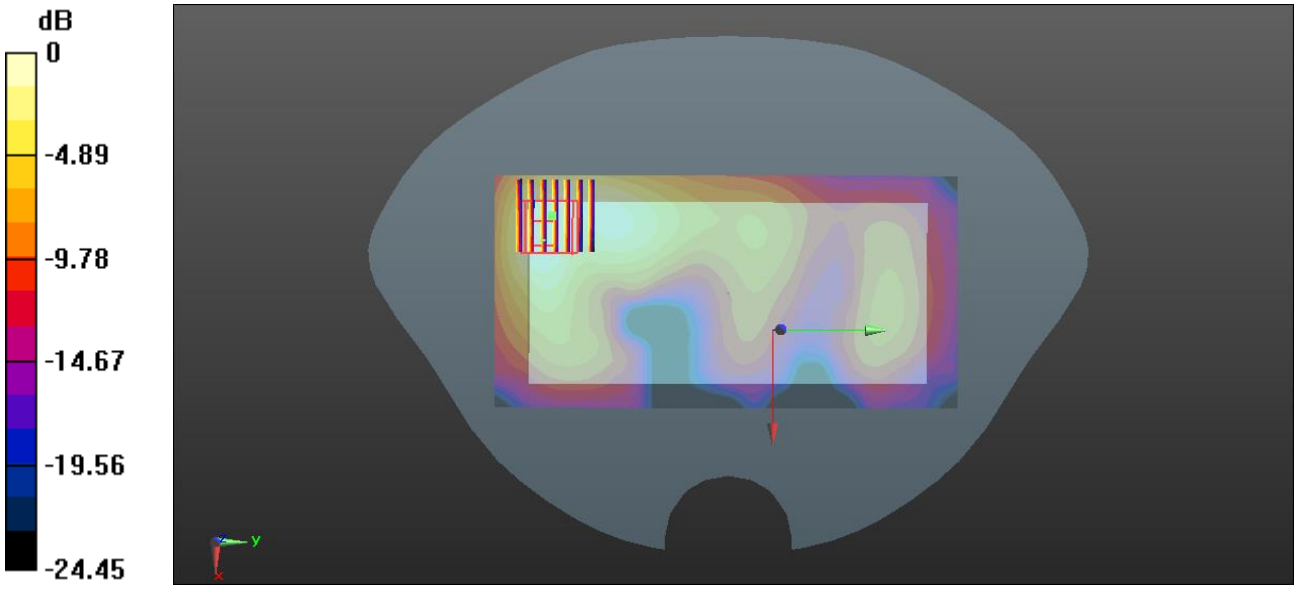
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.562 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.401 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.226 W/kg

Meas.47 Body Plane with Back 10mm on 507000 Channel in N7 mode with Antenna 1

Date: 2022.04.18

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.878 S/m; ε_r = 38.859; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.502 W/kg

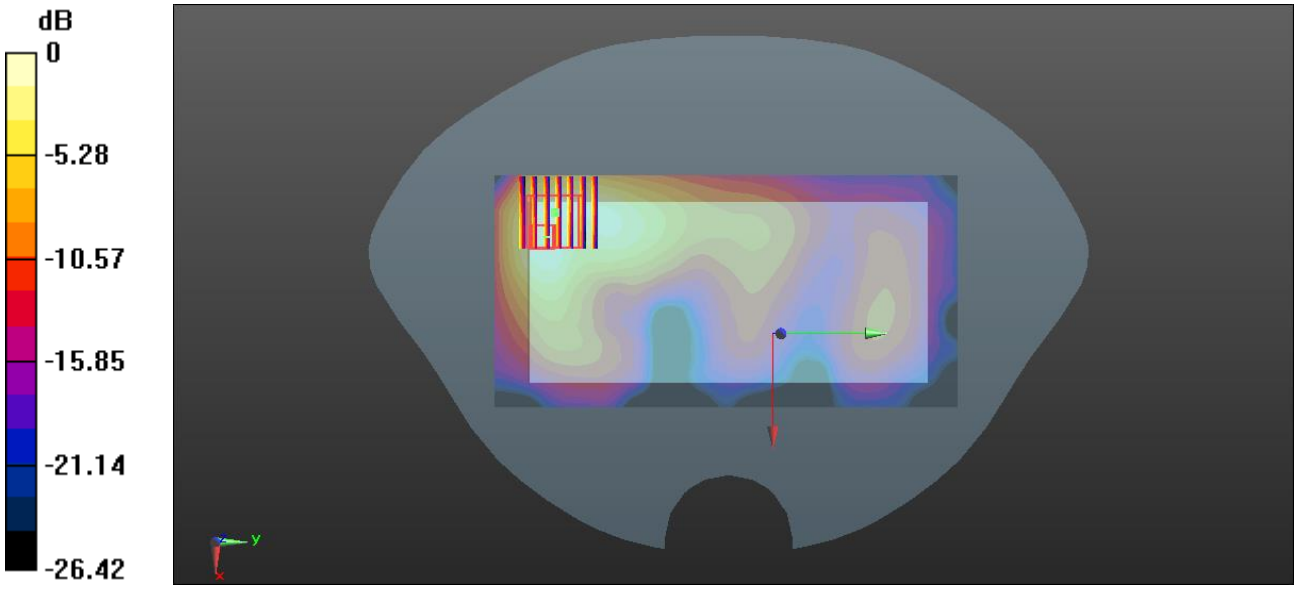
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.330 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.562 W/kg



0 dB = 0.562 W/kg

Meas.48 Right Head with Tilt on 519000 Channel in N38 mode with Antenna 1

Date: 2022.04.20

Communication System Band: N38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.944 S/m; ε_r = 38.418; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.598 W/kg

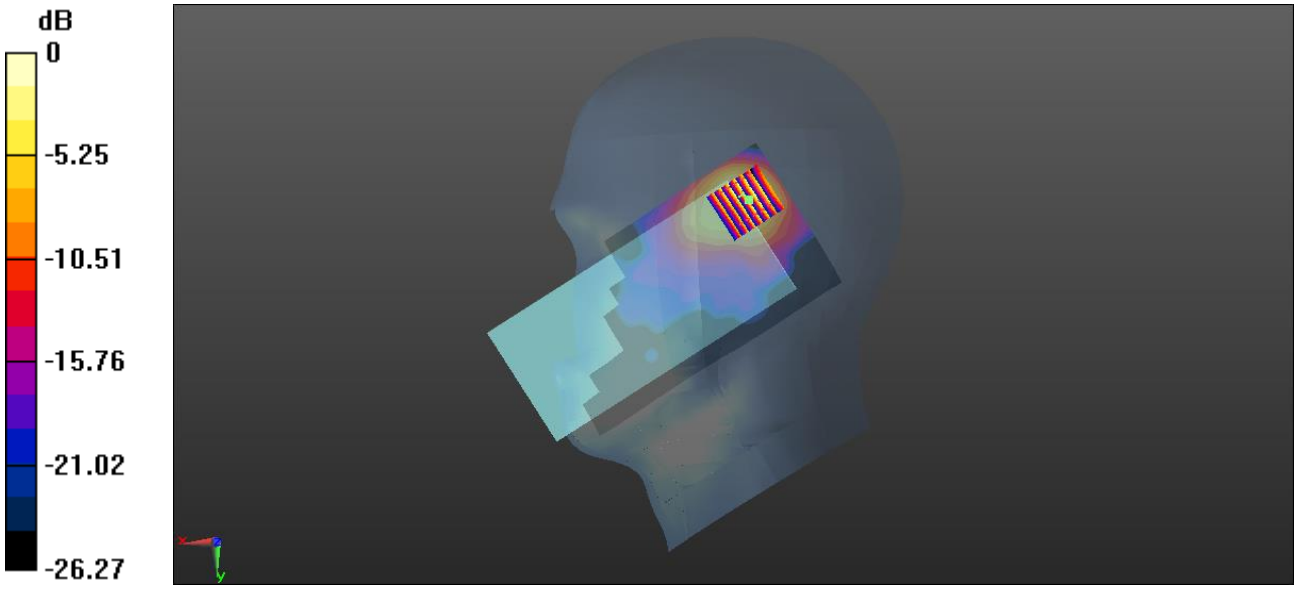
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.004 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.564 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 0.660 W/kg



0 dB = 0.660 W/kg

Meas.49 Body Plane with Back Side 15mm on 520000 Channel in N38 mode with Antenna 1

Date: 2022.04.20

Communication System Band: N38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2595 MHz; σ = 1.944 S/m; ε_r = 38.418; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.305 W/kg

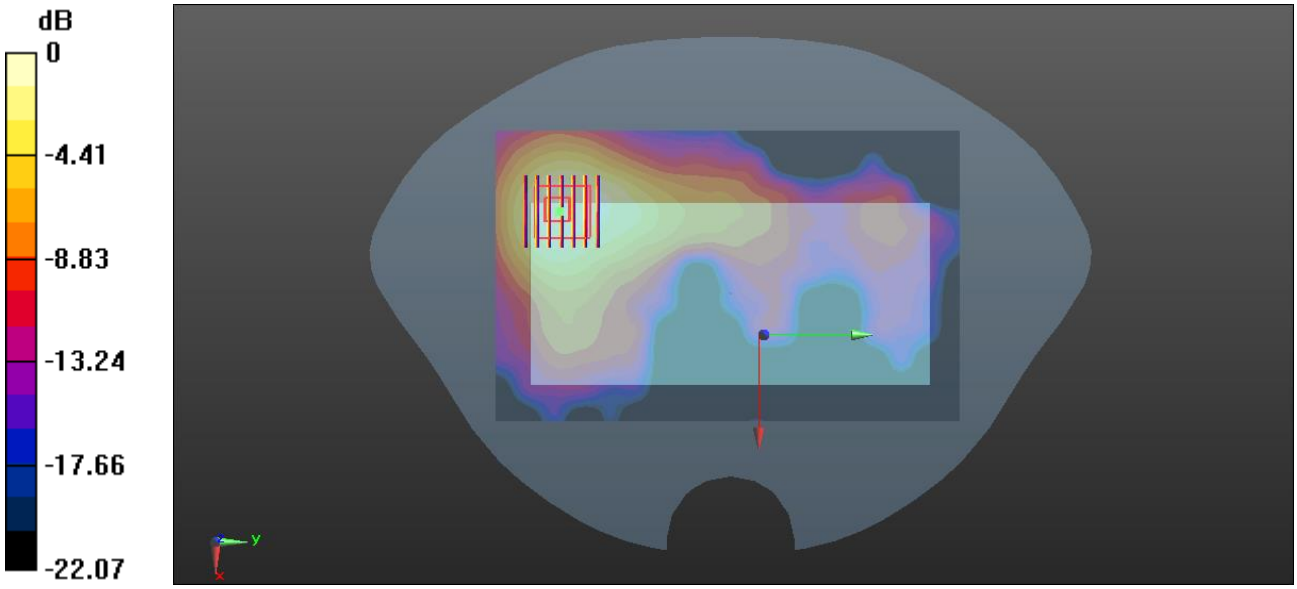
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.670 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.302 W/kg



0 dB = 0.302 W/kg

Meas.50 Body Plane with Back 10mm on 519000 Channel in N38 mode with Antenna 1

Date: 2022.04.20

Communication System Band: N38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.944 S/m; ε_r = 38.418; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.634 W/kg

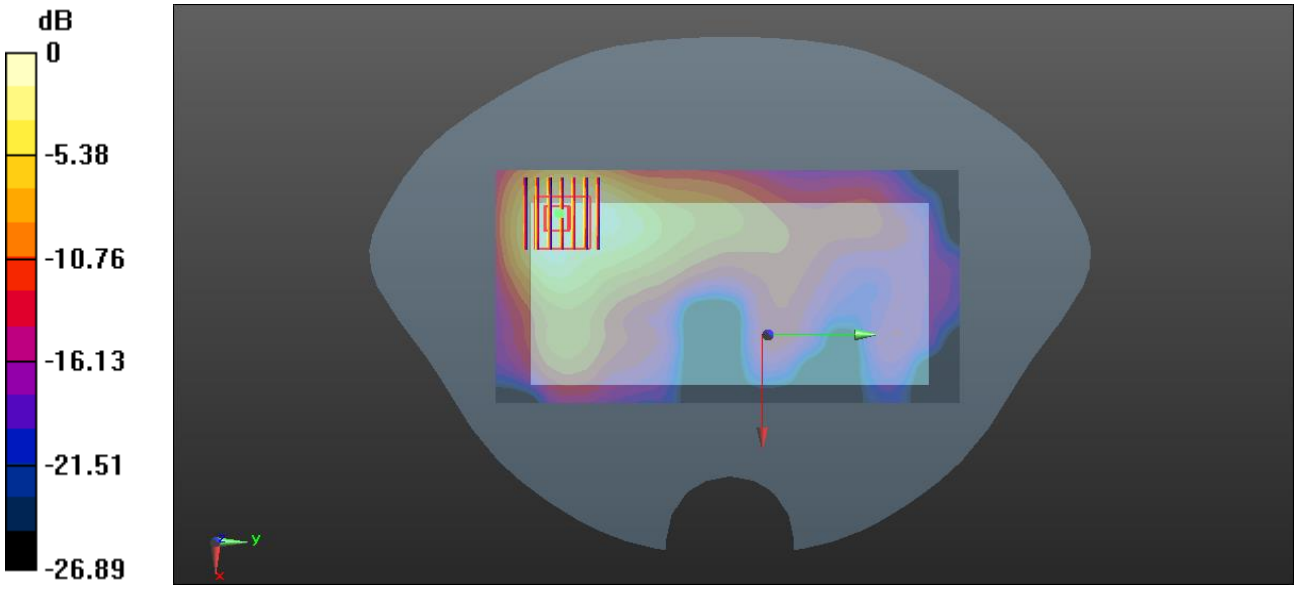
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.437 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.625 W/kg



0 dB = 0.625 W/kg

Meas.51 Body Plane with Back Side 0mm on 519000 Channel in N38 mode with Antenna 1

Date: 2022.04.20

Communication System Band: N38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.944 S/m; ε_r = 38.418; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.76 W/kg

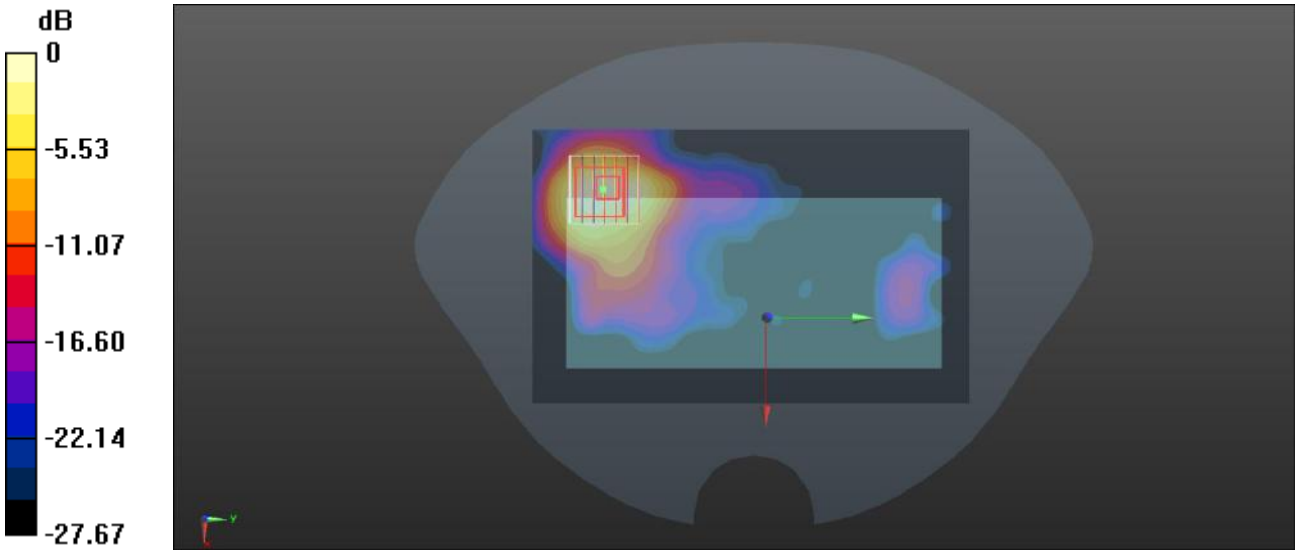
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.459 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 6.10 W/kg

SAR(1 g) = 2.19 W/kg; SAR(10 g) = 0.964 W/kg

Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.64 W/kg

Meas.52 Right Head with Tilt on 518598 Channel in N41 mode with Antenna 1

Date: 2022.04.22

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.942 S/m; ε_r = 38.649; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.416 W/kg

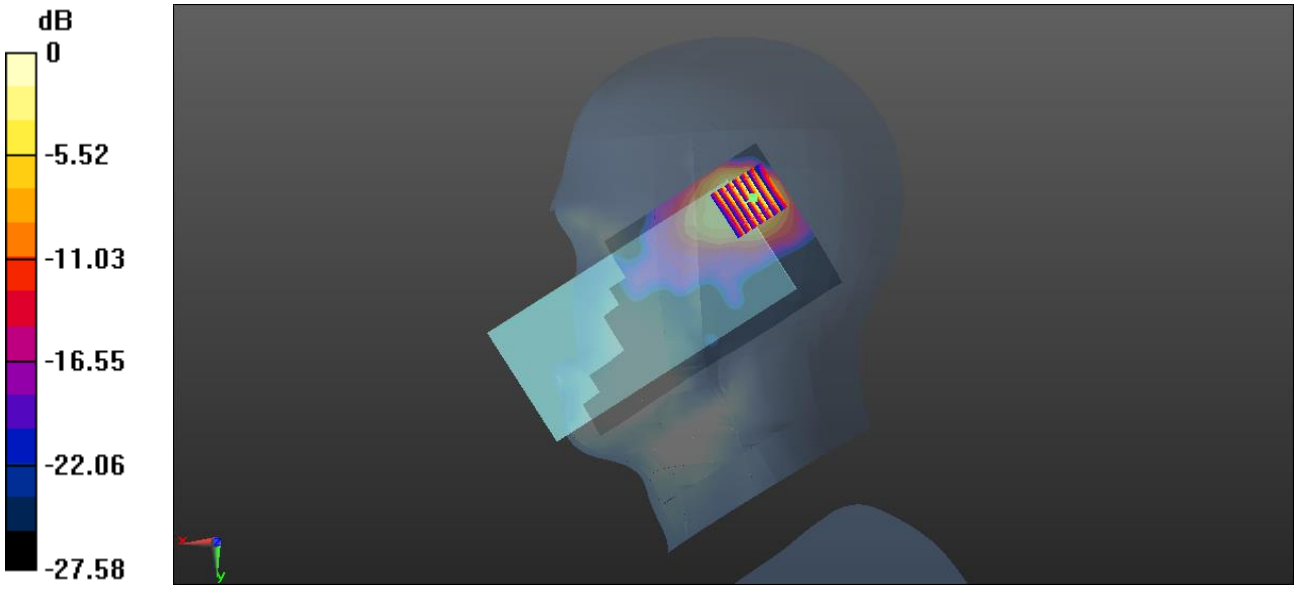
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.937 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.968 W/kg

SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.447 W/kg



0 dB = 0.447 W/kg

Meas.53 Body Plane with Back Side 15mm on 518598 Channel in N41 mode with Antenna 1

Date: 2022.04.22

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.942 S/m; ε_r = 38.649; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.260 W/kg

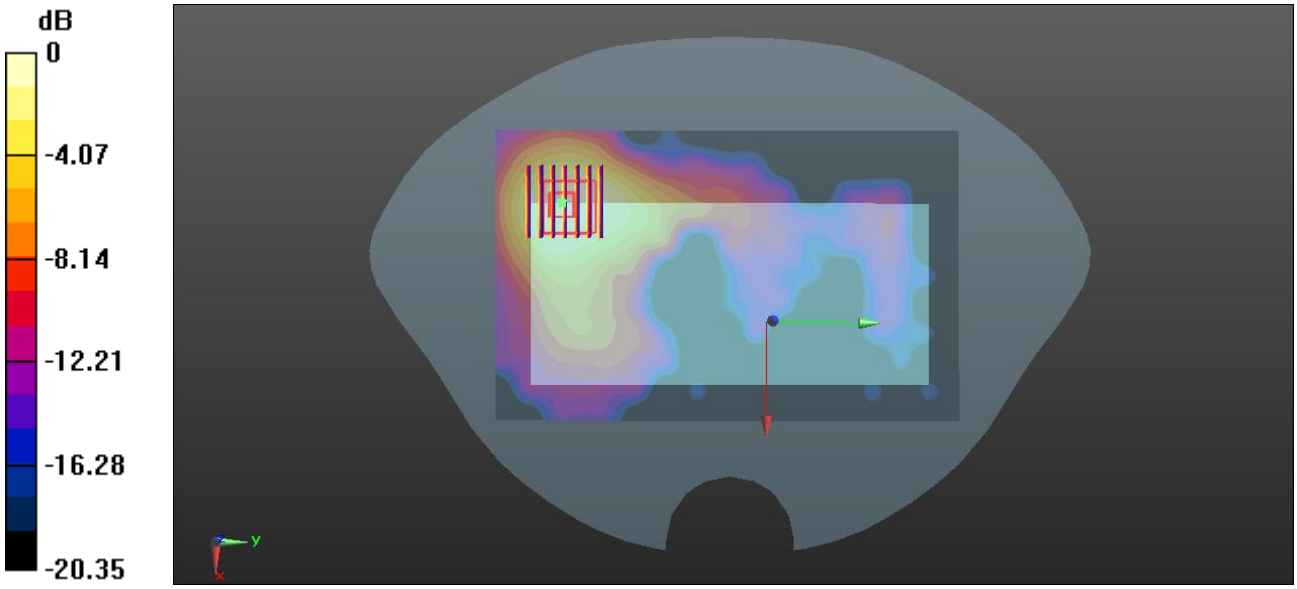
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.087 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.262 W/kg



0 dB = 0.262 W/kg

Meas.54 Body Plane with Top Edge 10mm on 518598 Channel in N41 mode with Antenna 1

Date: 2022.04.22

Communication System Band: N41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.942 S/m; ε_r = 38.649; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.423 W/kg

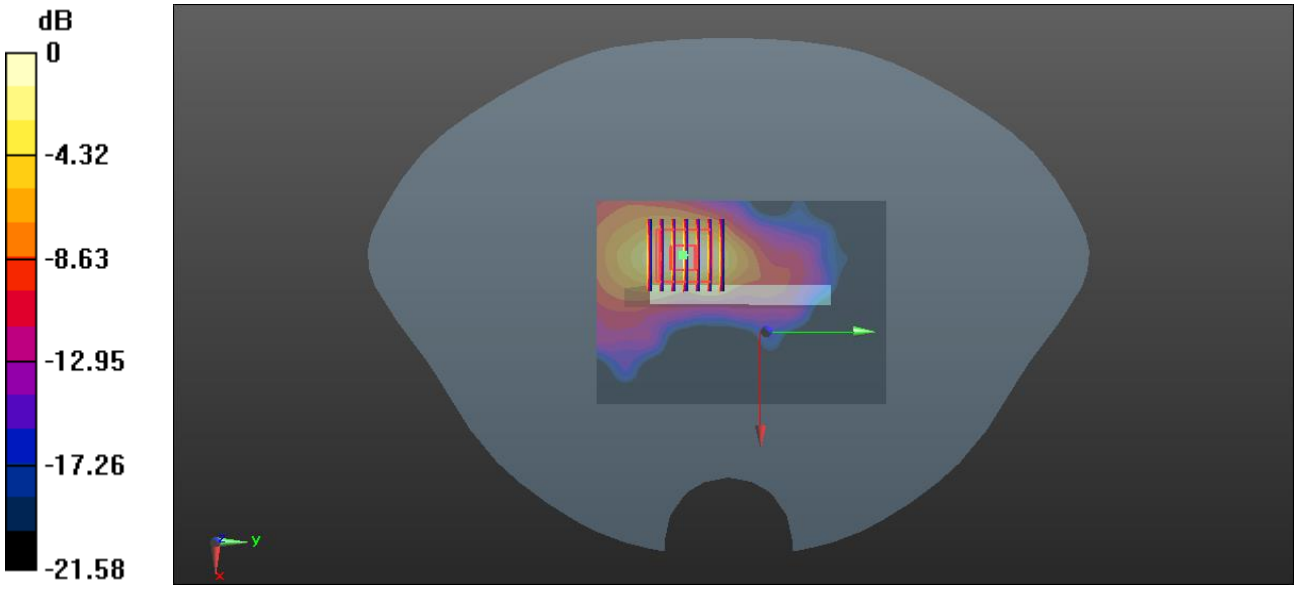
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.353 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.419 W/kg



0 dB = 0.419 W/kg

Meas.55 Left Head with Cheek on 6 Channel in IEEE802.11b mode with Antenna 2&7

Date: 2022.04.15

Communication System Band: 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.009

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.761 S/m; ε_r = 39.511; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 1.04 W/kg

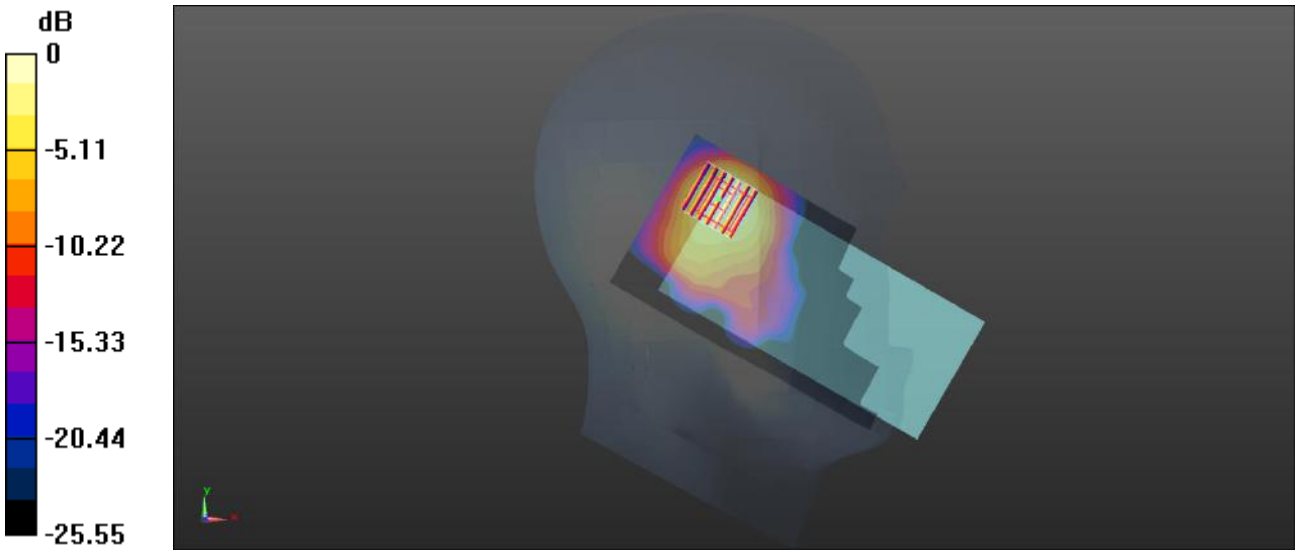
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.83 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.407 W/kg

Maximum value of SAR (measured) = 0.893 W/kg



0 dB = 0.893 W/kg

Meas.56 Body Plane with Back Side 15mm on 6 Channel in IEEE802.11b mode with Antenna 2&7

Date: 2022.04.15

Communication System Band: 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.009

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.761 S/m; ε_r = 39.511; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.157 W/kg

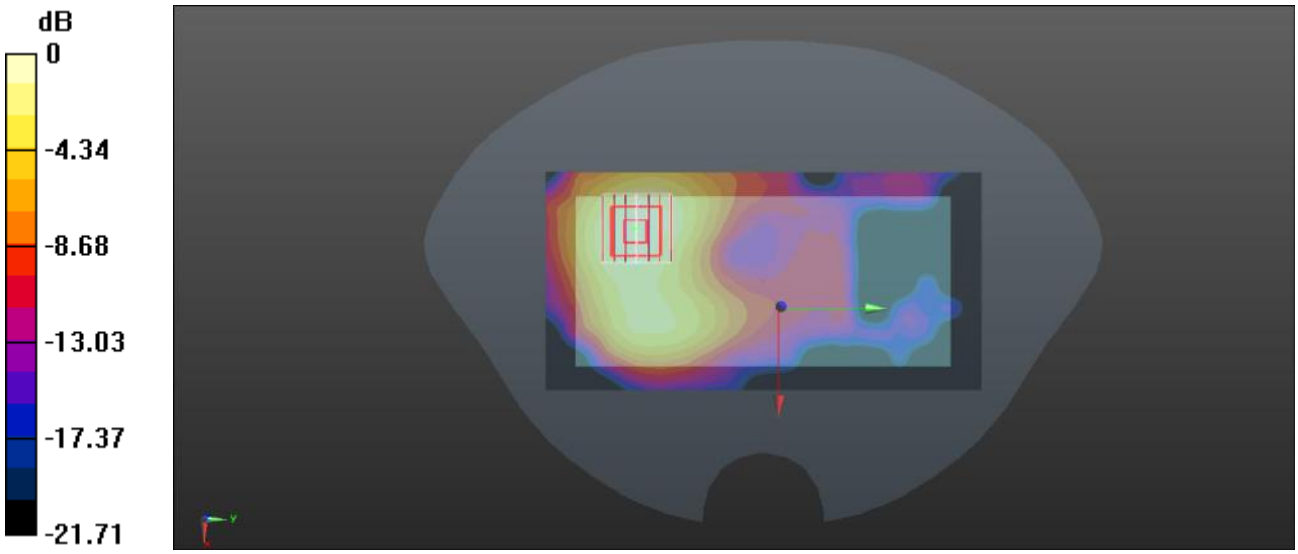
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.330 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg

Meas.57 Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b mode with Antenna 2&7

Date: 2022.04.15

Communication System Band: 2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.009

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.761 S/m; ε_r = 39.511; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.281 W/kg

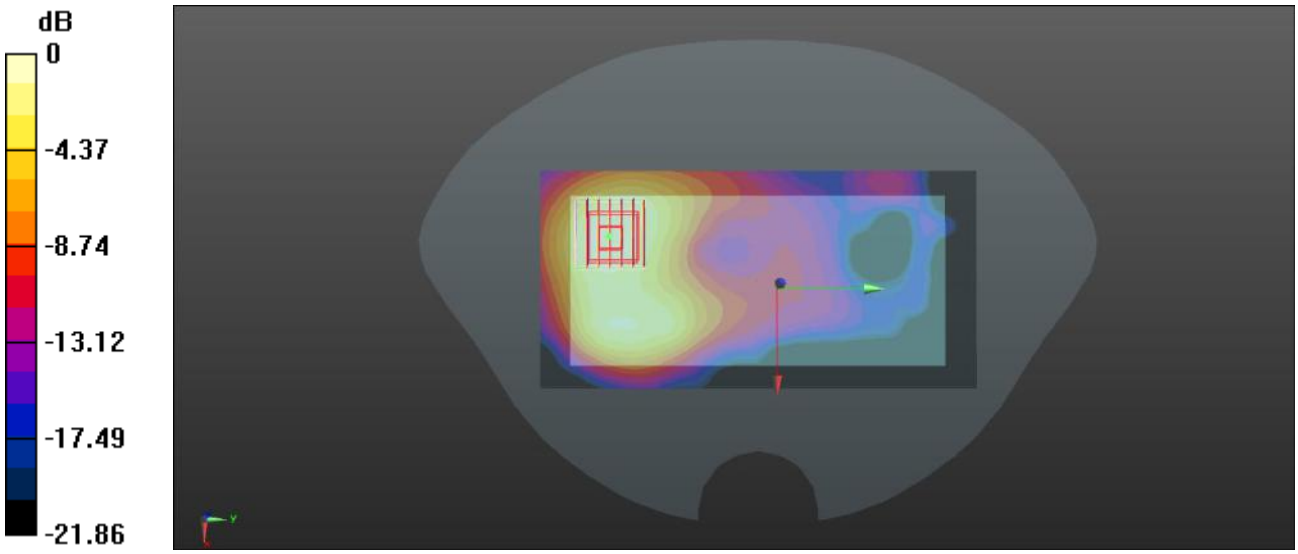
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.330 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.448 W/kg

SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg

Meas.58 Left Head with Cheek on 62 Channel in IEEE802.11n40 mode with Antenna 2&7

Date: 2022.04.23

Communication System Band: 5.3G; Frequency: 5310 MHz;Duty Cycle: 1:1.098

Medium parameters used (interpolated): f = 5310 MHz; σ = 4.81 S/m; ε_r = 35.01; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.61, 5.61, 5.61); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch62/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.55 W/kg

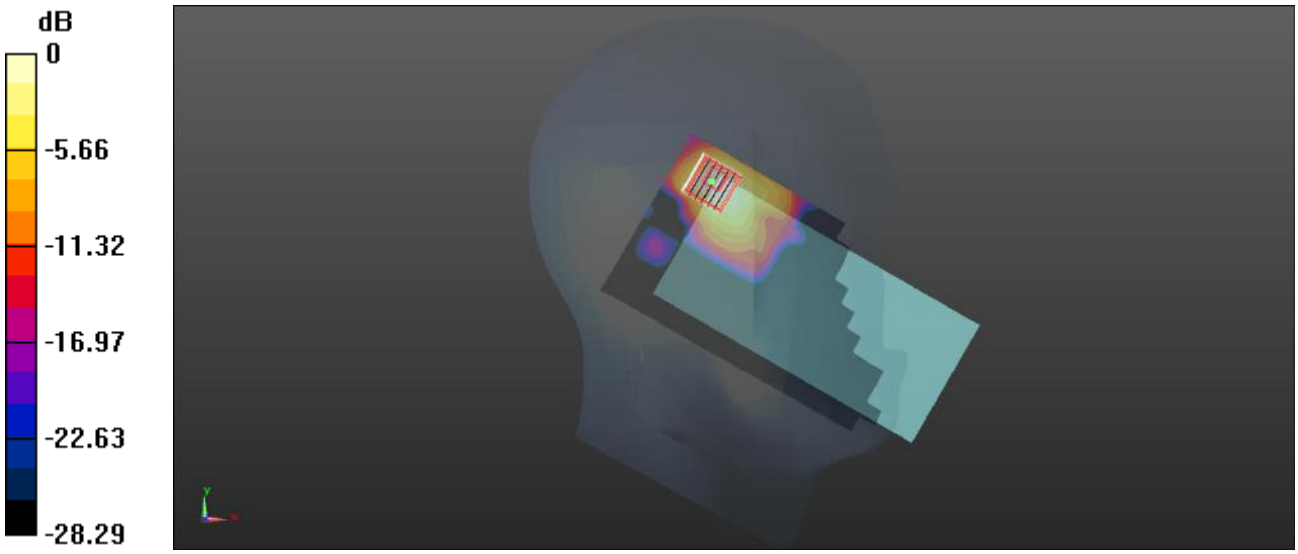
Ch62/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.446 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 1.59 W/kg



0 dB = 1.59 W/kg

Meas.59 Left Head with Cheek on 106 Channel in IEEE802.11ac80 mode with Antenna 2&7

Date: 2022.04.24

Communication System Band: 5.6G; Frequency: 5530 MHz;Duty Cycle: 1:1.193

Medium parameters used (interpolated): f = 5530 MHz; σ = 4.924 S/m; ε_r = 36.062; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.9 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.3, 5.3 5.3); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.37 W/kg

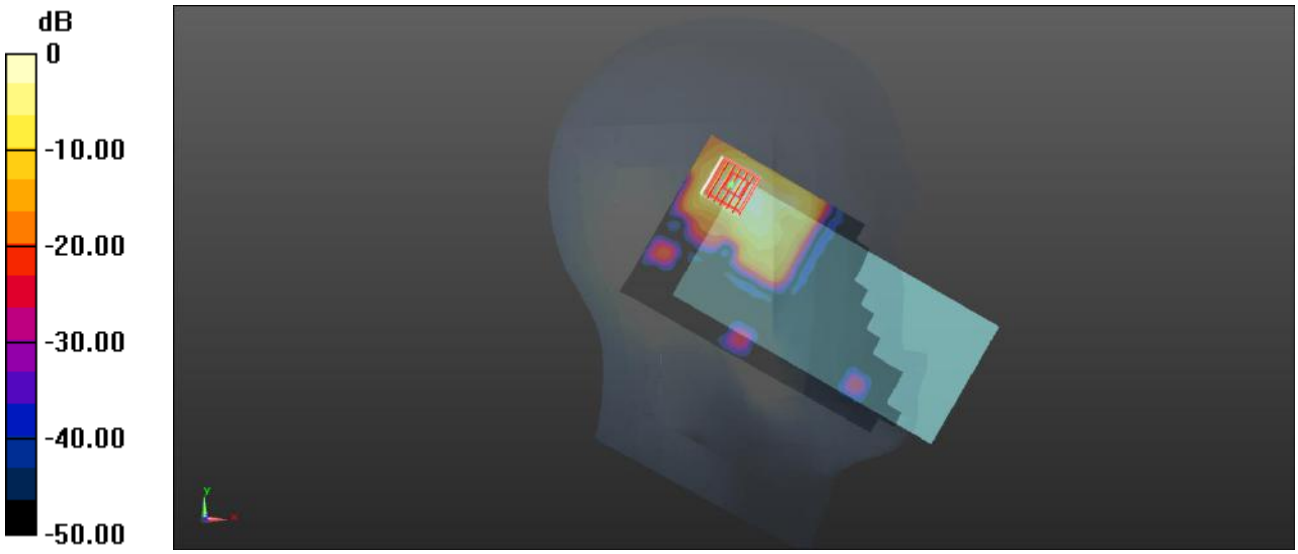
Ch106/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.069 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.42 W/kg

SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 1.59 W/kg



0 dB = 1.59 W/kg

Meas.60 Left Head with Tilt on 155 Channel in 802.11ac80 mode with Antenna 2&7

Date: 2022.04.25

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.193

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.202 S/m; ε_r = 35.315; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.2 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 1.61 W/kg

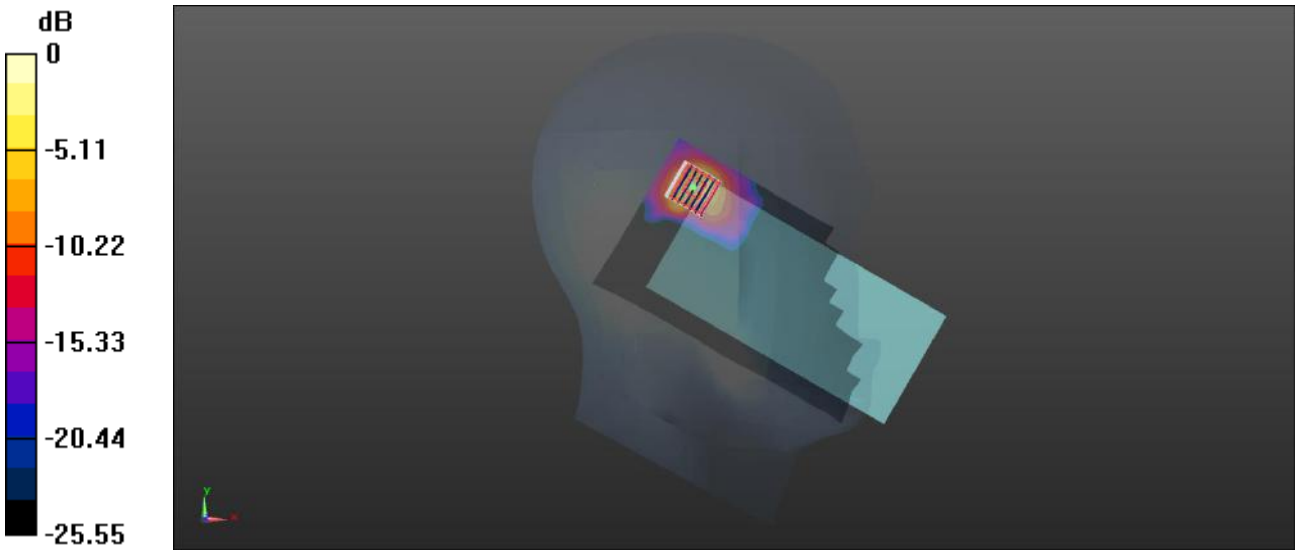
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.521 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 4.28 W/kg

SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 2.01 W/kg



0 dB = 2.01 W/kg

Meas.61 Body Plane with Back Side 15mm on 62 Channel in 802.11n40 mode with Antenna 2&7

Date: 2022.04.26

Communication System Band: 5.3G; Frequency: 5310 MHz;Duty Cycle: 1:1.098

Medium parameters used (interpolated): f = 5310 MHz; σ = 4.806 S/m; ε_r = 35.04; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.61, 5.61, 5.61); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch62/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.696 W/kg

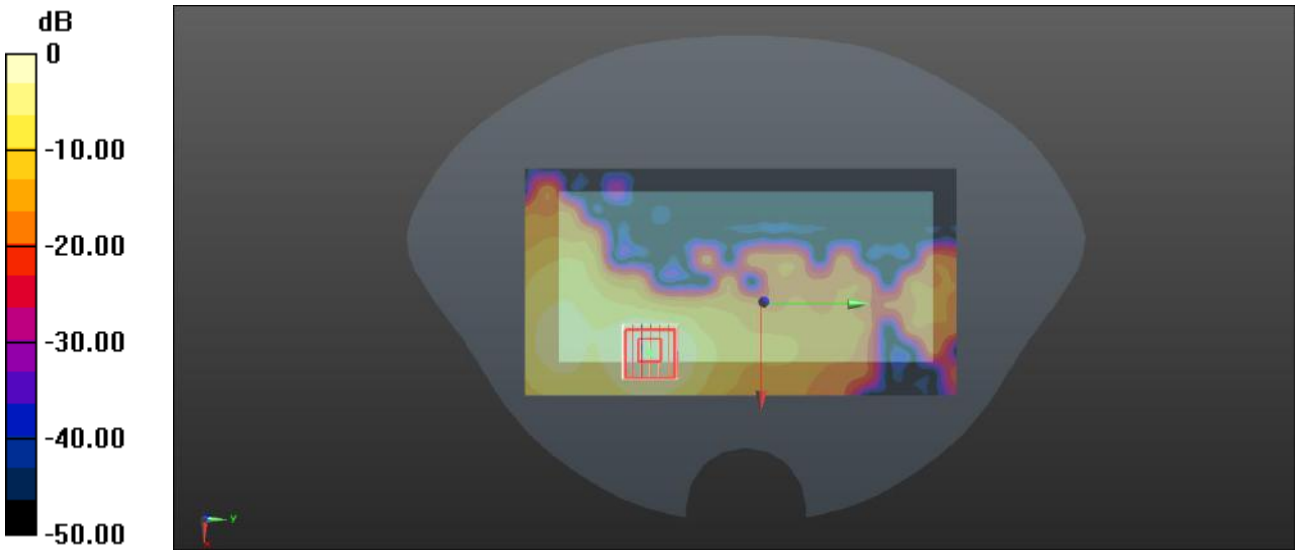
Ch62/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.667 W/kg



0 dB = 0.667 W/kg

Meas.62 Body Plane with Back Side 15mm on 122 Channel in 802.11ac80 mode with Antenna 2&7

Date: 2022.04.27

Communication System Band: 5.6G; Frequency: 5610 MHz;Duty Cycle: 1:1.193

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.05 S/m; ε_r = 35.226; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.645 W/kg

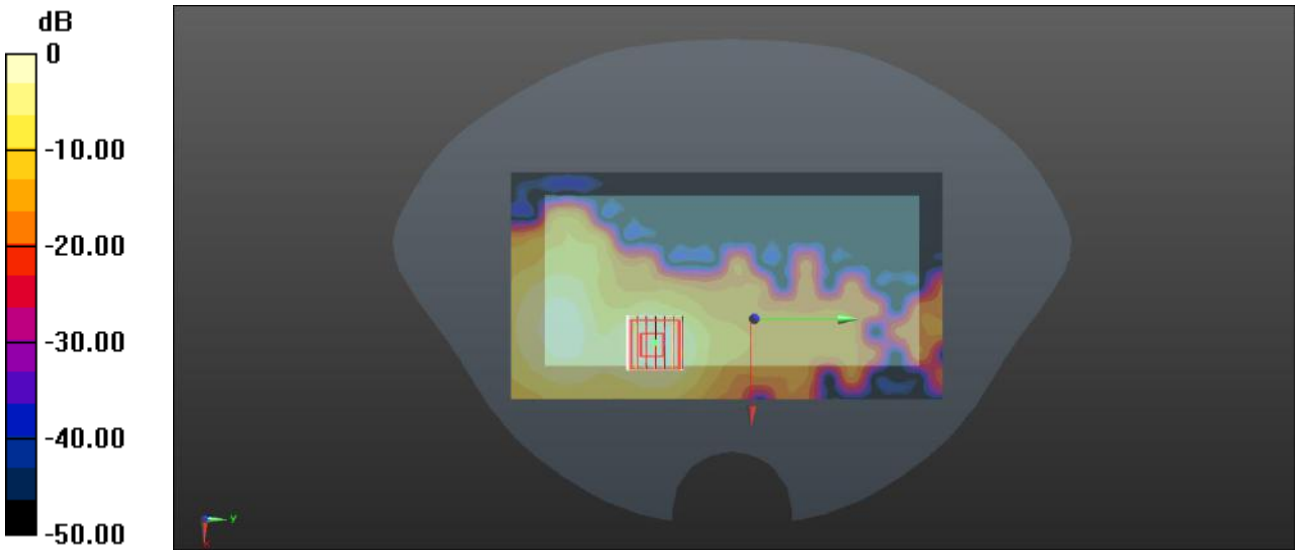
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.081 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.646 W/kg



0 dB = 0.646 W/kg

Meas.63 Body Plane with Back Side 15mm on 155 Channel in 802.11ac80 mode with Antenna 2&7

Date: 2022.04.28

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.193

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.204 S/m; ε_r = 35.108; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 0.778 W/kg

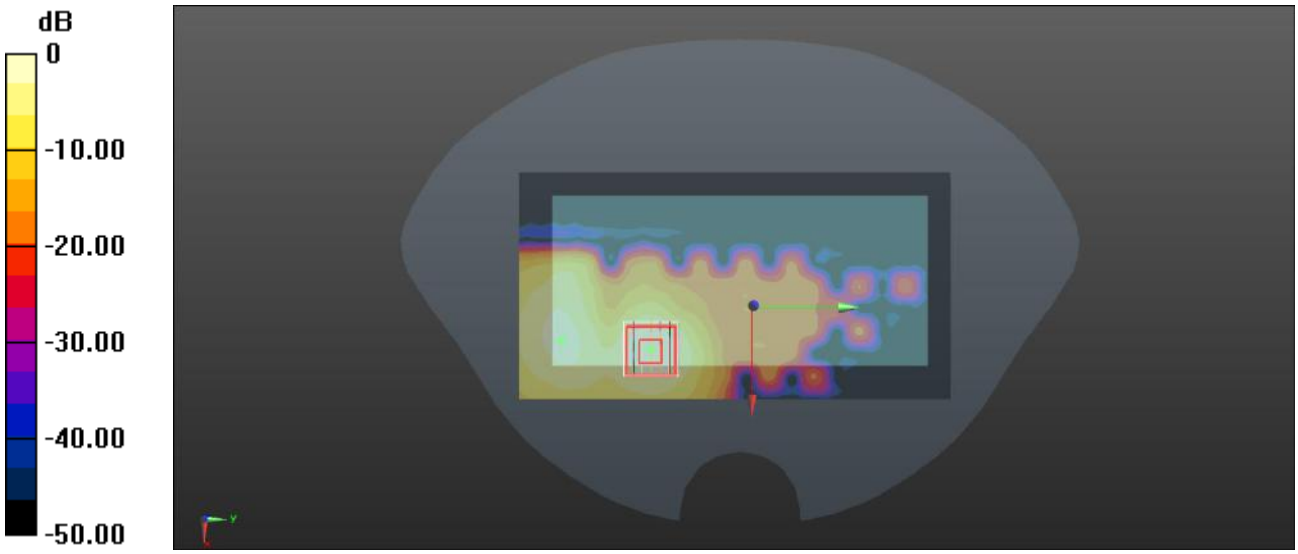
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8060 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.799 W/kg



0 dB = 0.799 W/kg

Meas.64 Body Plane with Back Side 10mm on 46 Channel in IEEE802.11n40 mode with Antenna 2&7

Date: 2022.04.26

Communication System Band: 5.2G; Frequency: 5230 MHz;Duty Cycle: 1:1.098

Medium parameters used (interpolated): f = 5230 MHz; σ = 4.66 S/m; ε_r = 36.001; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch46/Area Scan (91x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.51 W/kg

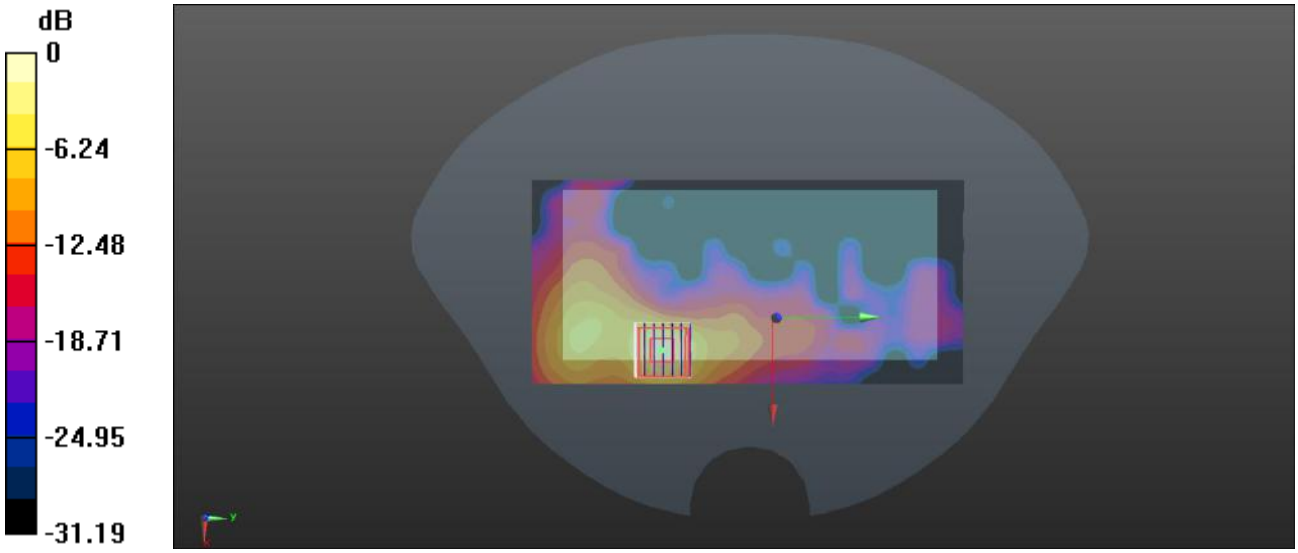
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.245 W/kg

Maximum value of SAR (measured) = 1.71 W/kg



0 dB = 1.71 W/kg

Meas.65 Body Plane with Left Edge 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna 2&7

Date: 2022.04.28

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.193

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.204 S/m; ε_r = 35.108; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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 (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.30 W/kg

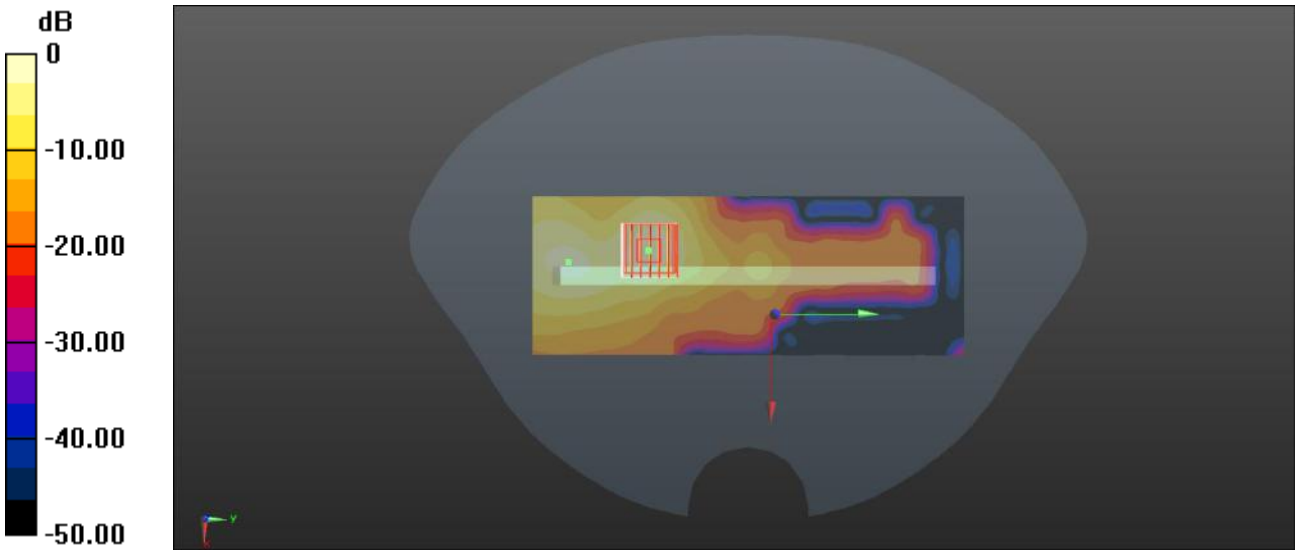
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.270 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg

Meas.66 Body Plane with Back Side 0mm on 46 Channel in 802.11n40 mode with Antenna 2&7

Date: 2022.04.26

Communication System Band: 5.2G; Frequency: 5230 MHz;Duty Cycle: 1:1.098

Medium parameters used (interpolated): f = 5230 MHz; σ = 4.66 S/m; ε_r = 36.001; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch46/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 22.2 W/kg

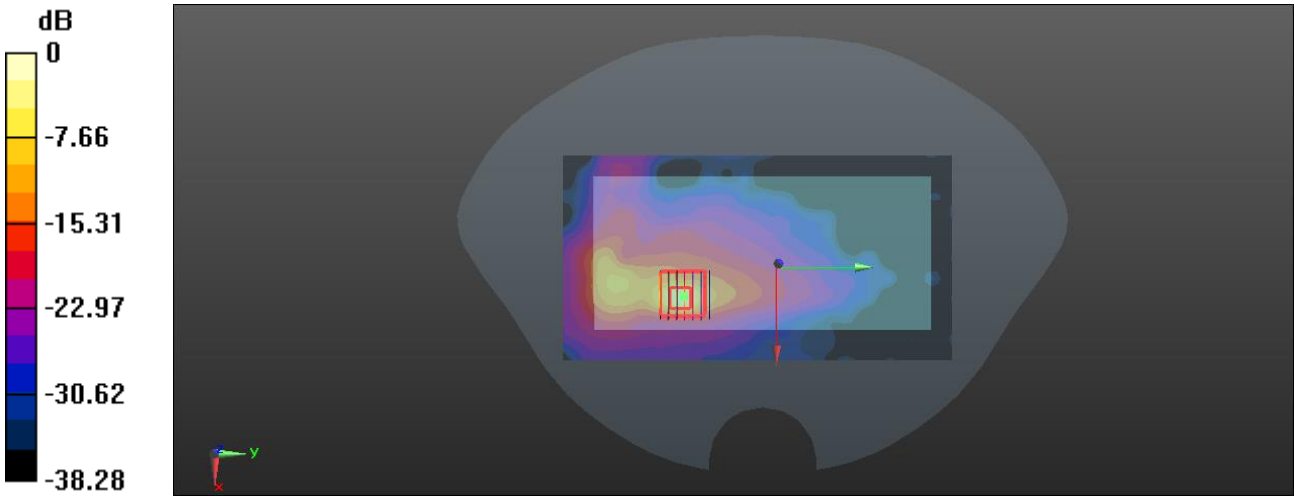
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.227 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 58.0 W/kg

SAR(1 g) = 7.27 W/kg; SAR(10 g) = 1.33 W/kg

Maximum value of SAR (measured) = 21.9 W/kg



0 dB = 21.9 W/kg

Meas.67 Body Plane with Left Edge 0mm on 62 Channel in IEEE802.11n40 mode with Antenna 2&7

Date: 2022.04.26

Communication System Band: 5.3G; Frequency: 5310 MHz;Duty Cycle: 1:1.098

Medium parameters used (interpolated): f = 5310 MHz; σ = 4.806 S/m; ε_r = 35.04; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.61, 5.61, 5.61); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch62/Area Scan (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 11.1 W/kg

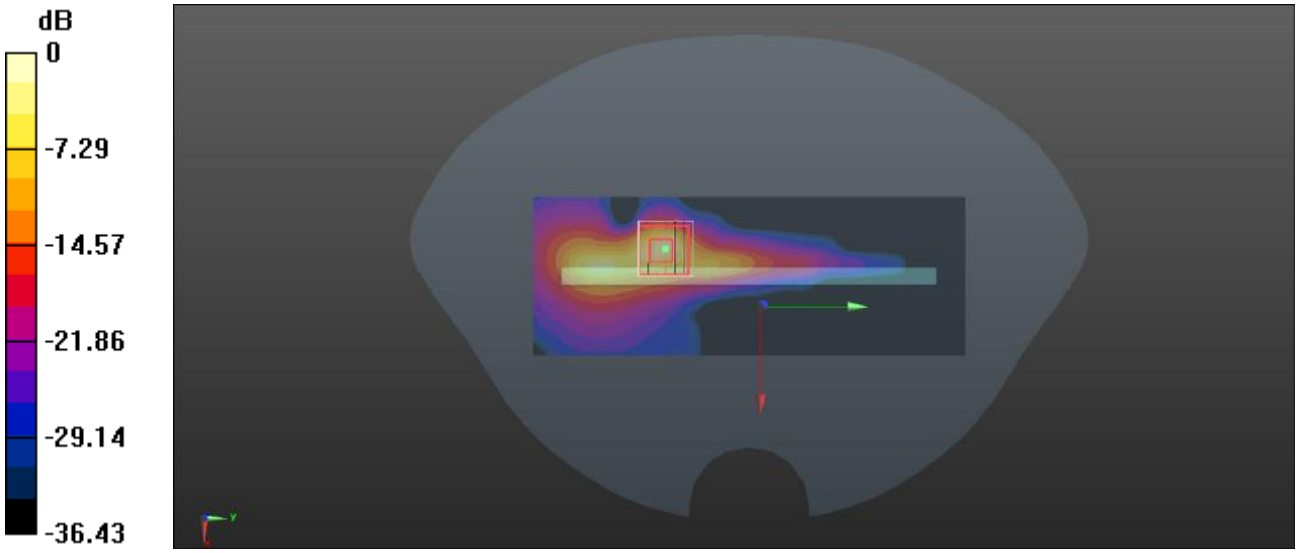
Ch62/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.991 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 32.9 W/kg

SAR(1 g) = 5.74 W/kg; SAR(10 g) = 1.22 W/kg

Maximum value of SAR (measured) = 14.3 W/kg



0 dB = 14.3 W/kg

Meas.68 Body Plane with Left Edge 0mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2&7

Date: 2022.04.27

Communication System Band: 5.6G; Frequency: 5610 MHz;Duty Cycle: 1:1.193

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.05 S/m; ε_r = 35.226; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.1, 5.1, 5.1); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (71x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 7.20 W/kg

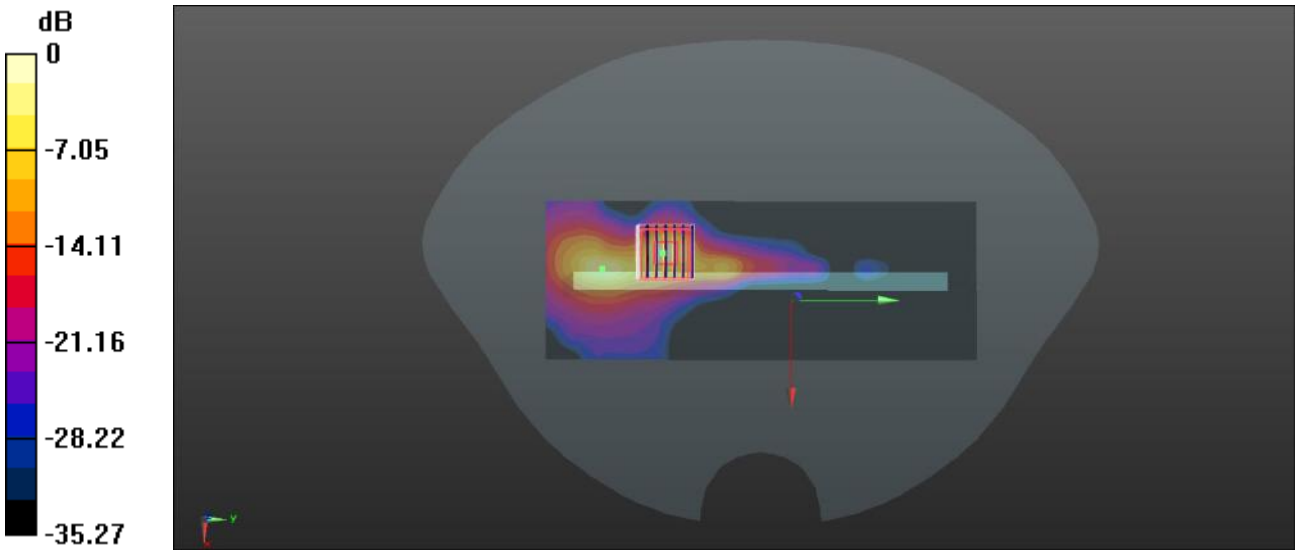
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.991 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 21.7 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 0.750 W/kg

Maximum value of SAR (measured) = 9.40 W/kg



0 dB = 9.40 W/kg

Meas.69 Body Plane with Back Side 0mm on 155 Channel in 802.11ac80 mode with Antenna 2&7

Date: 2022.04.28

Communication System Band: 5.8G; Frequency: 5775 MHz;Duty Cycle: 1:1.193

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.204 S/m; ε_r = 35.108; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.15, 5.15, 5.15); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) 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) = 26.4 W/kg

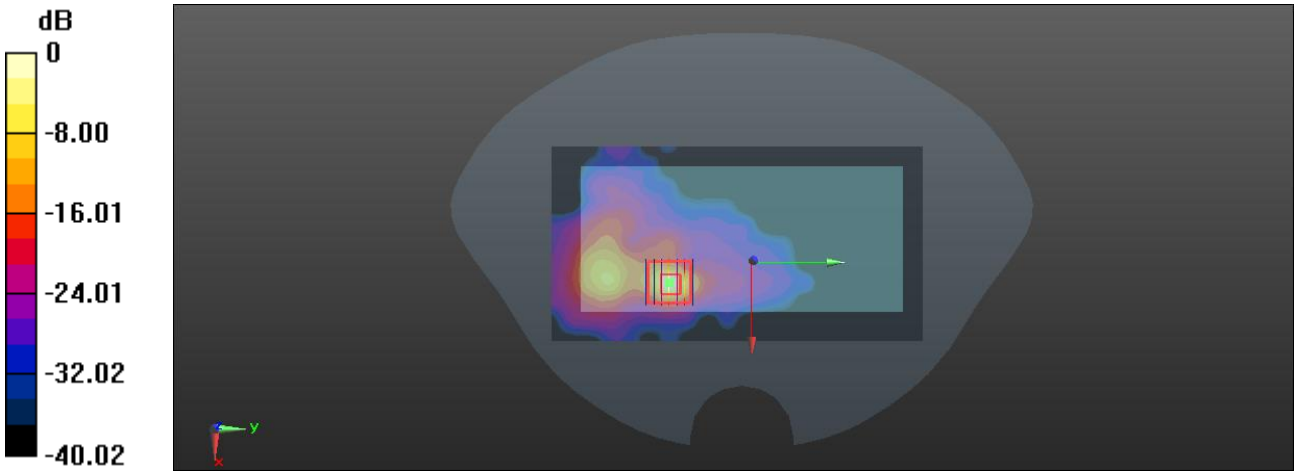
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.782 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 82.6 W/kg

SAR(1 g) = 8.75 W/kg; SAR(10 g) = 1.4 W/kg

Maximum value of SAR (measured) = 26.2 W/kg



0 dB = 26.2 W/kg

Meas.70 Left Head with Cheek on 78 Channel in Bluetooth mode

Date: 2022.04.16

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.319

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.816 S/m; ε_r = 39.4; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.1 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.362 W/kg

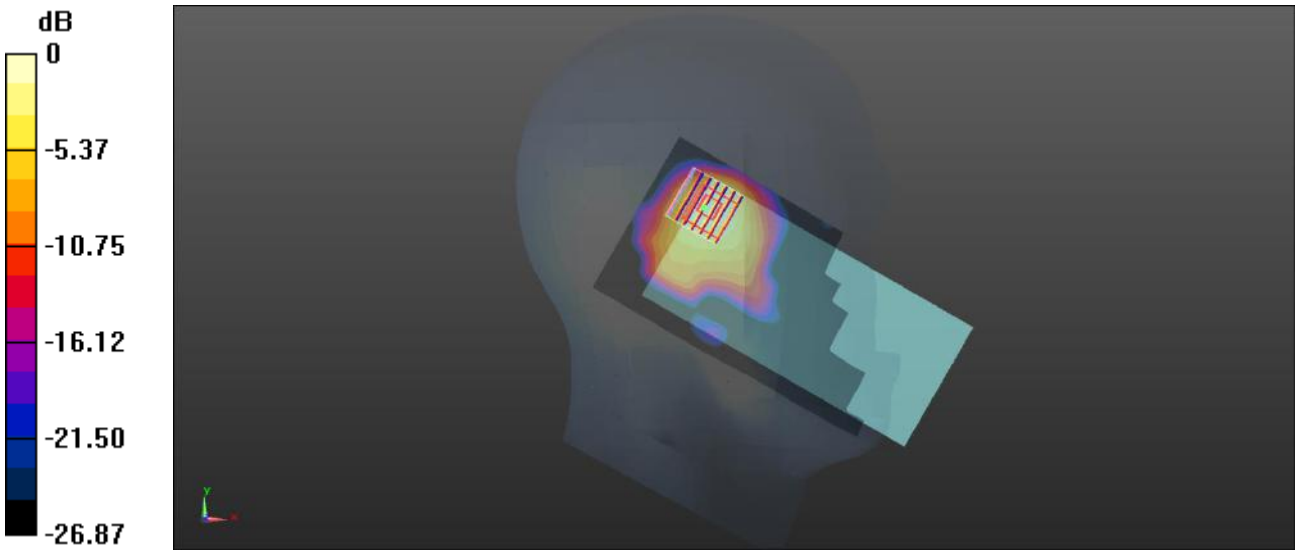
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.792 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.666 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.139 W/kg.

Maximum value of SAR (measured) = 0.324 W/kg



0 dB = 0.324 W/kg

Meas.71 Body Plane with Back Side 15mm on 78 Channel in Bluetooth mode

Date: 2022.04.16

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.319

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.816 S/m; ε_r = 39.4; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0425 W/kg

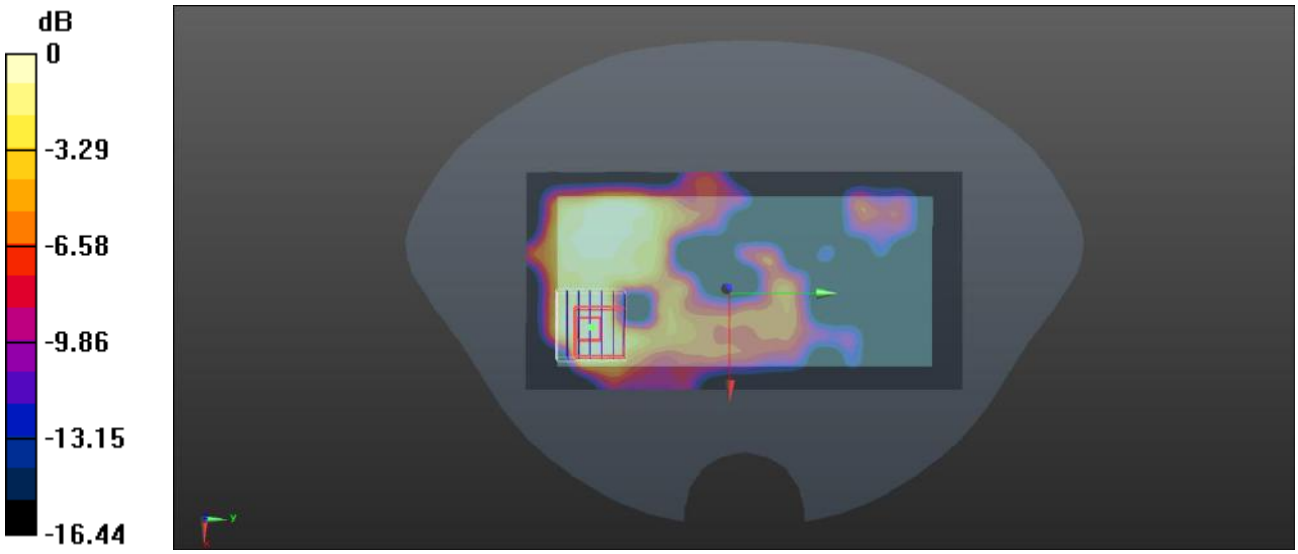
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.7150 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0600 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.010 W/kg

Maximum value of SAR (measured) = 0.0318 W/kg



0 dB = 0.0318 W/kg

Meas.72 Body Plane with Top Edge 10mm on 78 Channel in Bluetooth mode

Date: 2022.04.16

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.319

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.816 S/m; ε_r = 39.4; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0666 W/kg

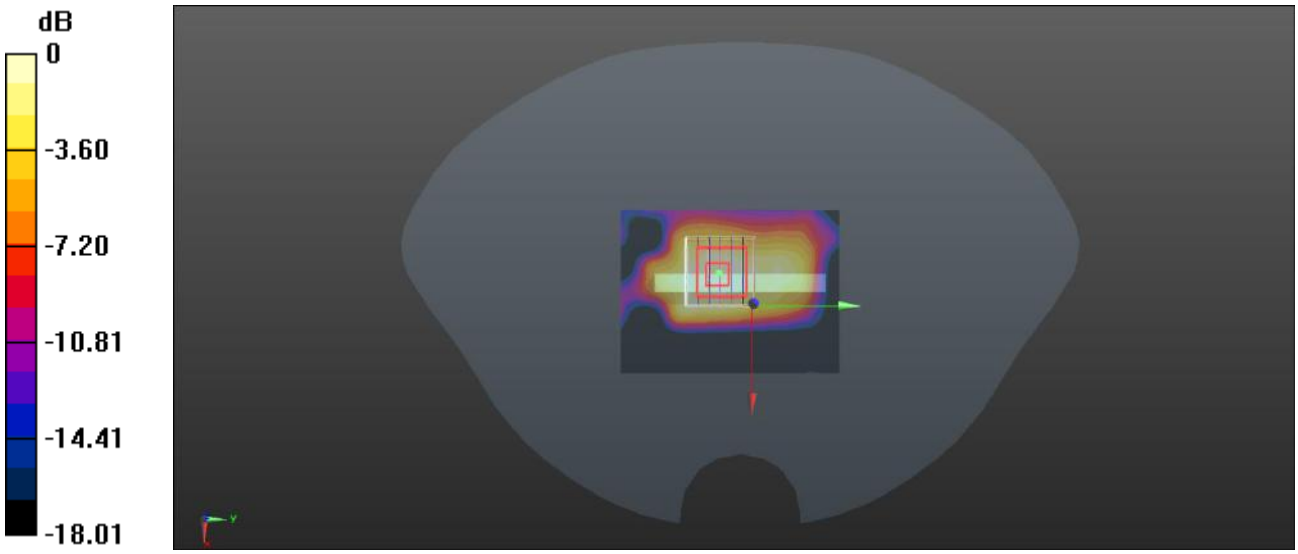
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.567 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.0631 W/kg



0 dB = 0.0631 W/kg

Meas.73 Right Head with Tilt on PCC20850+SCC21048 Channel in LTE Band 7 mode with ANT.1

Date: 2022.04.18

Communication System Band: Band7; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.848 S/m; ε_r = 39.03; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850+21048/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.518 W/kg

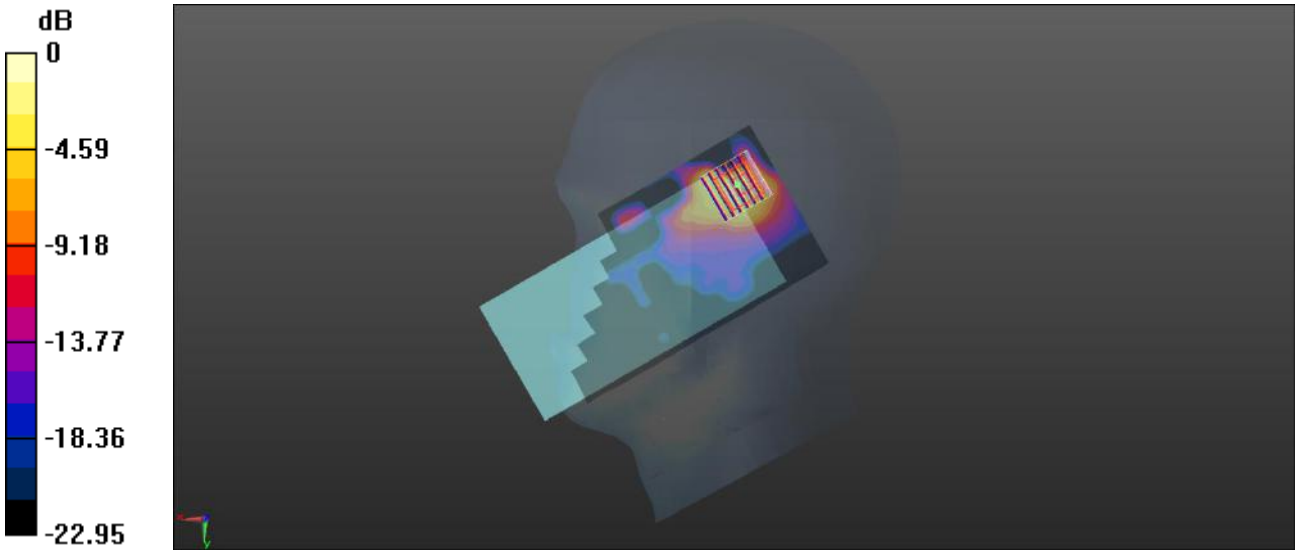
Ch20850+21048/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.665 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.789 W/kg

SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.121 W/kg

Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg

Meas.74 Body Plane with Back 15mm on PCC20850+SCC21048 Channel in LTE B7 mode with ANT.0

Date: 2022.04.18

Communication System Band: Band7; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.848 S/m; ε_r = 39.03; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850+21048/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.186 W/kg

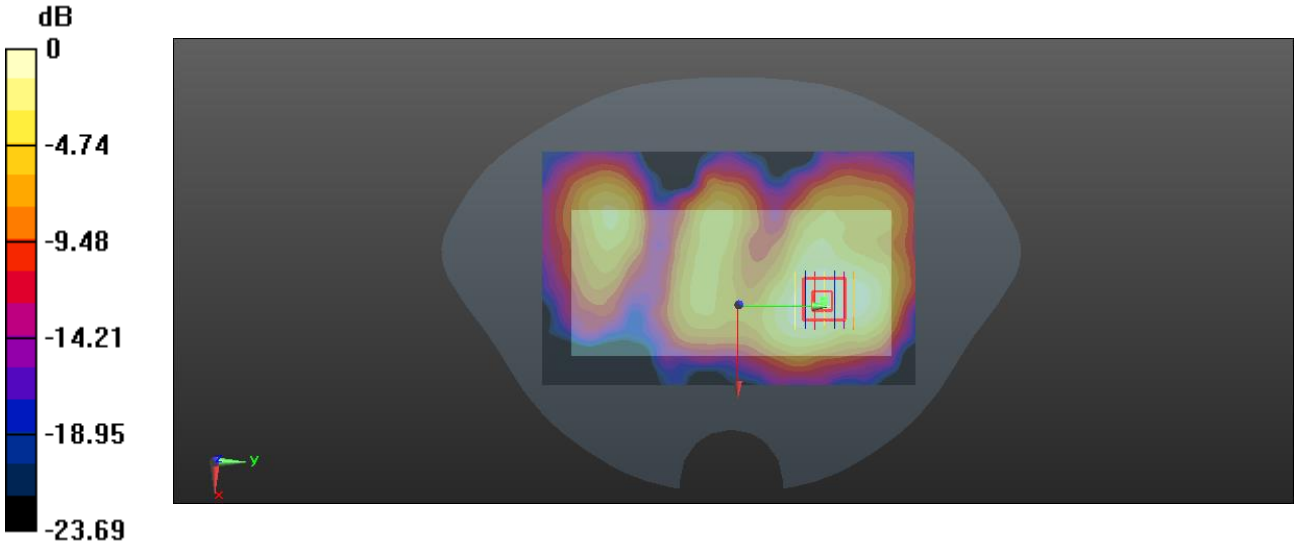
Ch20850+21048/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.402 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.334 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

Meas.75 Body Plane with Back 10mm on PCC20850+SCC21048 Channel in LTE B7 mode with ANT.0

Date: 2022.04.18

Communication System Band: Band7; Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.848 S/m; ε_r = 39.03; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850+21048/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.323 W/kg

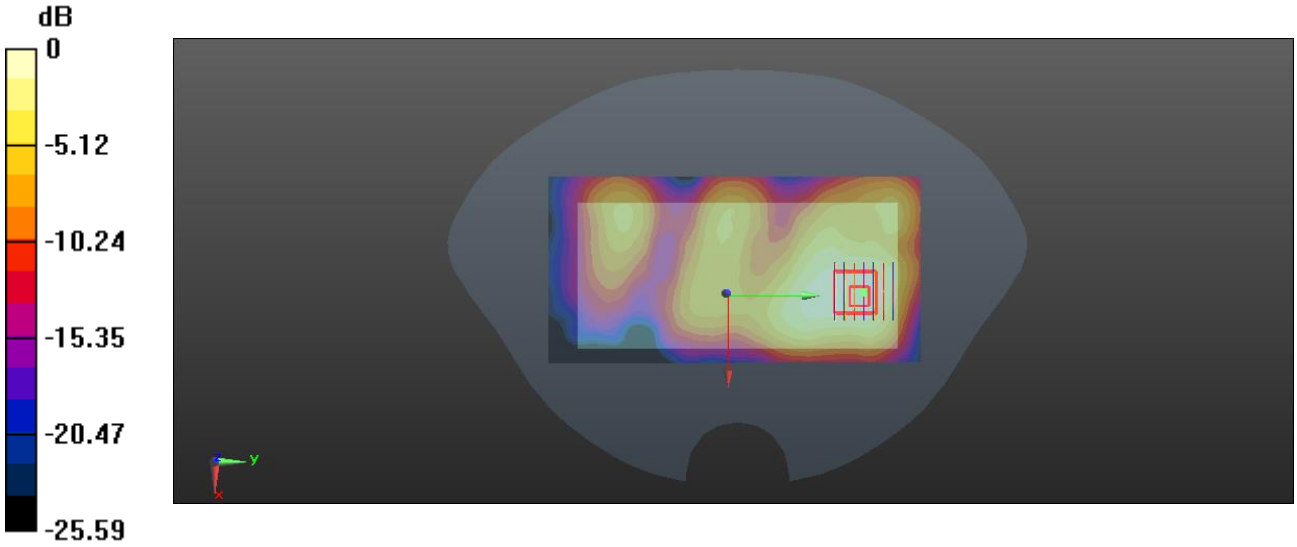
Ch20850+21048/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.218 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.547 W/kg

SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.132 W/kg

Maximum value of SAR (measured) = 0.293 W/kg



0 dB = 0.293 W/kg

Meas.76 Right Head with Tilt on PCC38150+SCC37952 Channel in LTE Band 38 mode with ANT.1

Date: 2022.04.19

Communication System Band: Band38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.966 S/m; ε_r = 38.323; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150+37952/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.603 W/kg

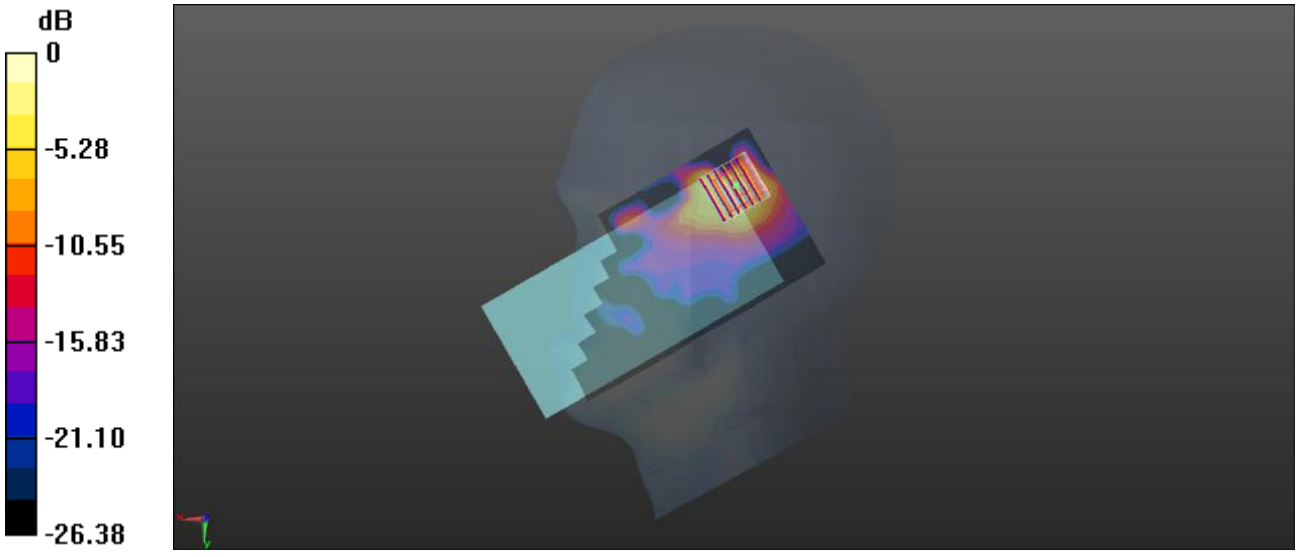
Ch38150+37952/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.836 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.945 W/kg

SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.412 W/kg



0 dB = 0.412 W/kg

Meas.77 Body Plane with Back 15mm on PCC38150+SCC37952 Channel in LTE B38 mode with ANT.1

Date: 2022.04.19

Communication System Band: Band38; Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.966 S/m; ε_r = 38.323; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150+37952/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.201 W/kg

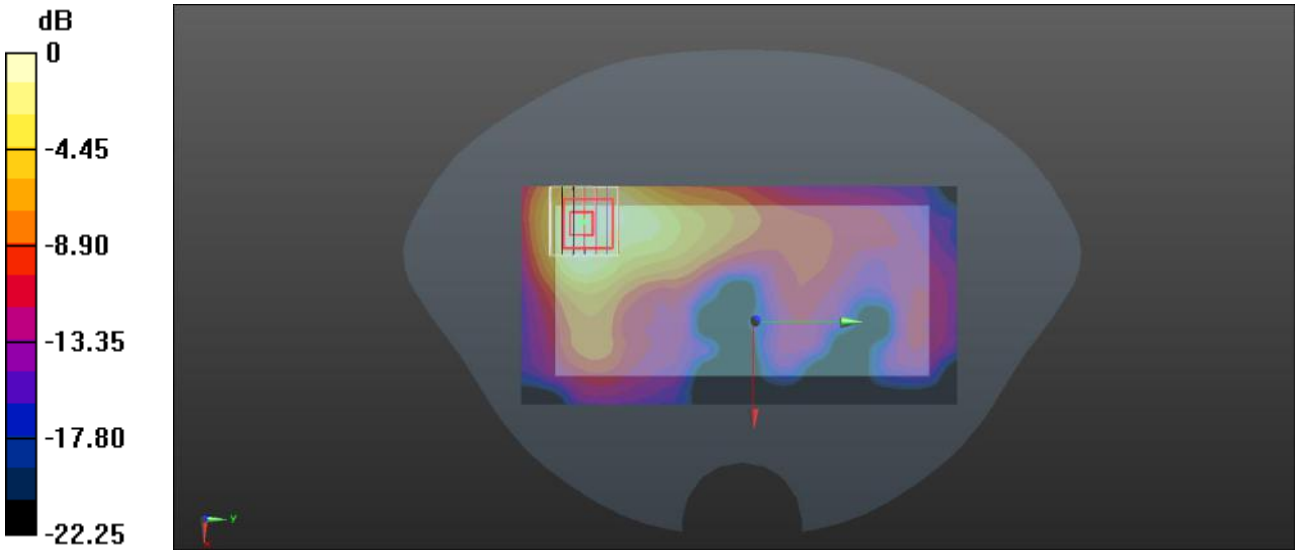
Ch37850+37952/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.131 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.335 W/kg

SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.195 W/kg

Meas.78 Body Plane with Back 10mm on PCC38150+SCC37952 Channel in LTE B38 mode with ANT.1

Date: 2022.04.19

Communication System Band: Band38; Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.966 S/m; ε_r = 38.323; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850+37952/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.409 W/kg

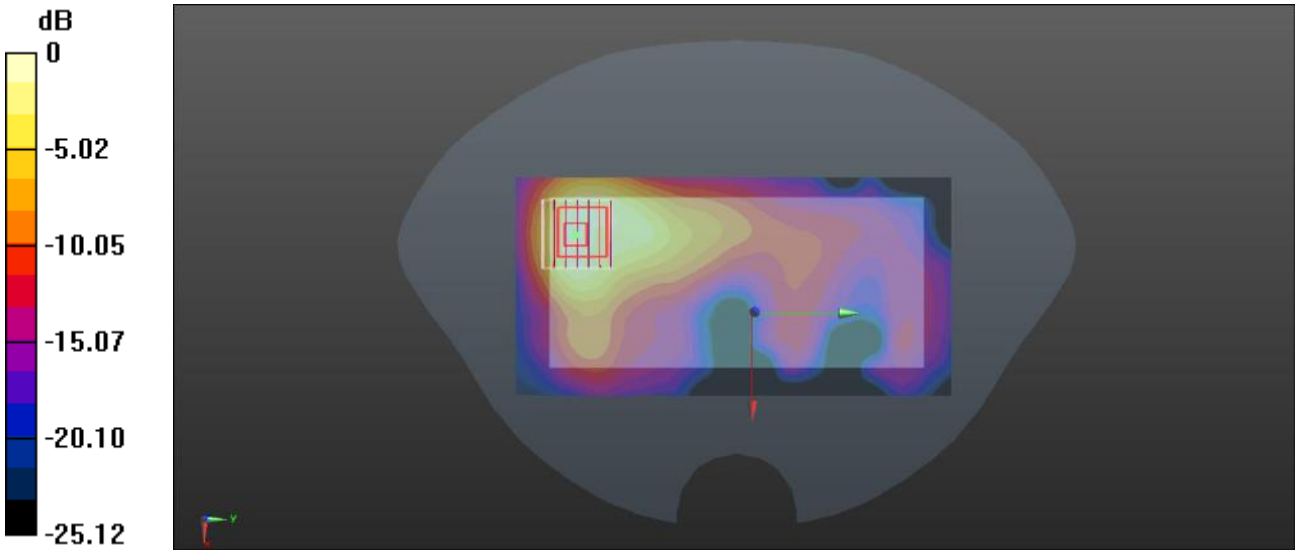
Ch37850+37952/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.114 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg

Meas.79 Right Head with Tilt on PCC41490+SCC41292 Channel in LTE Band 41 mode with ANT.1

Date: 2022.04.21

Communication System Band: Band41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.042 S/m; ε_r = 38.411; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490+41292/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.400 W/kg

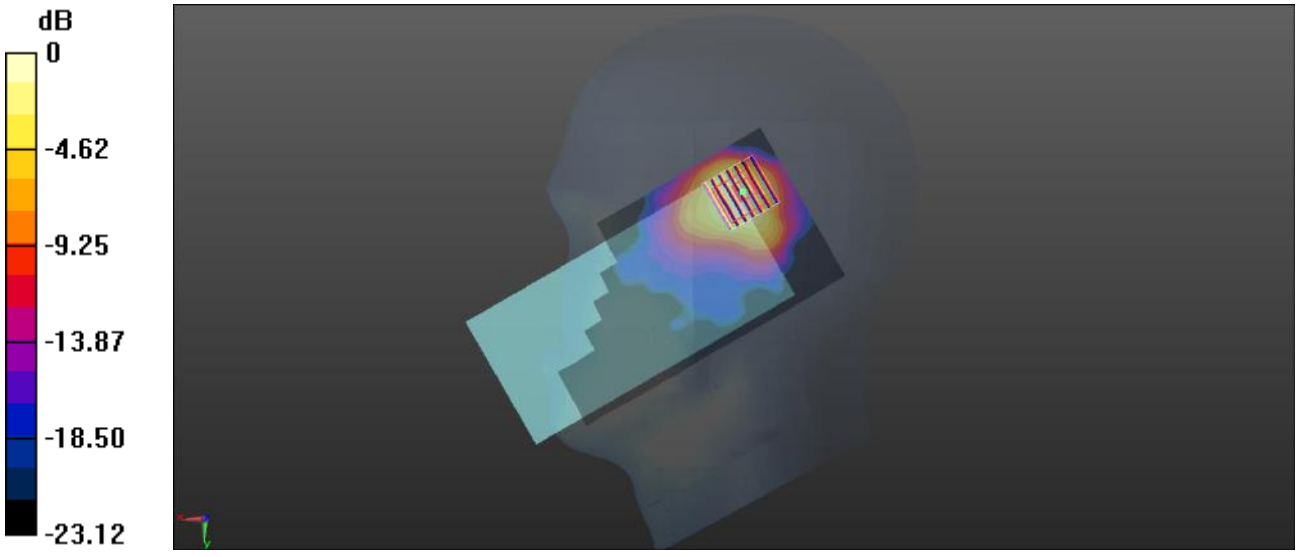
Ch41490+41292/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.674 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.779 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (measured) = 0.345 W/kg



0 dB = 0.345 W/kg

Meas.80 Body Plane with Back 15mm on PCC41490+SCC41292 Channel in LTE B41 mode with ANT.1

Date: 2022.04.21

Communication System Band: Band41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.042 S/m; ε_r = 38.411; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490+41292/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.127 W/kg

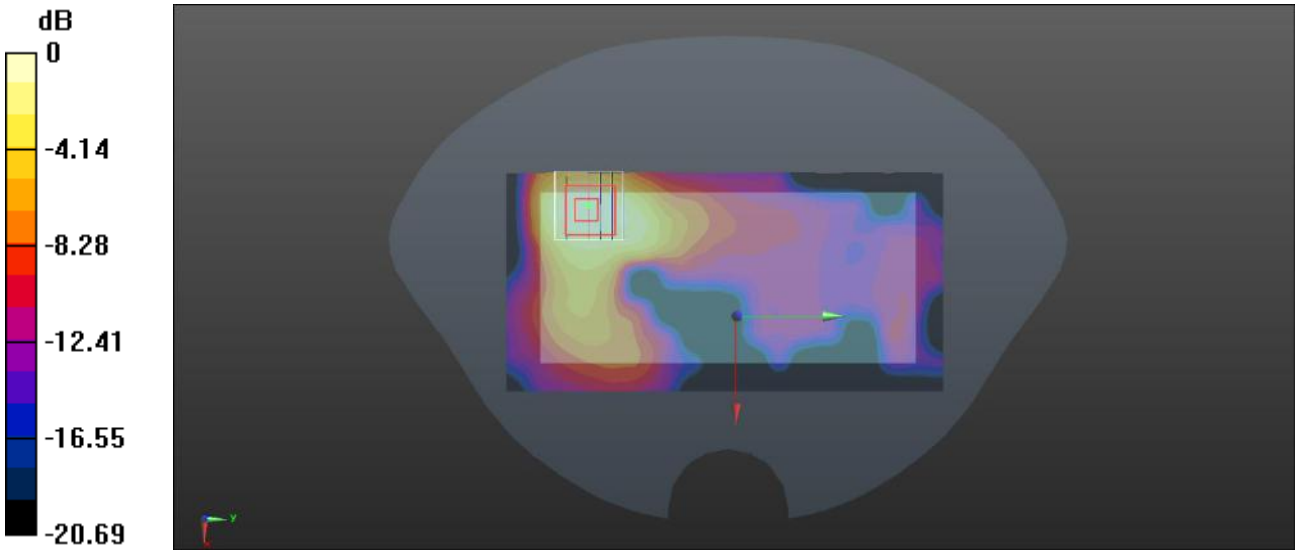
Ch41490+41292/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.526 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.057 W/kg

Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.129 W/kg

Meas.81 Body Plane with Back 10mm on PCC41490+SCC41292 Channel in LTE B41 mode with ANT.1

Date: 2022.04.21

Communication System Band: Band41; Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.042 S/m; ε_r = 38.411; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM (20deg probe tilt) with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490+41292/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.278 W/kg

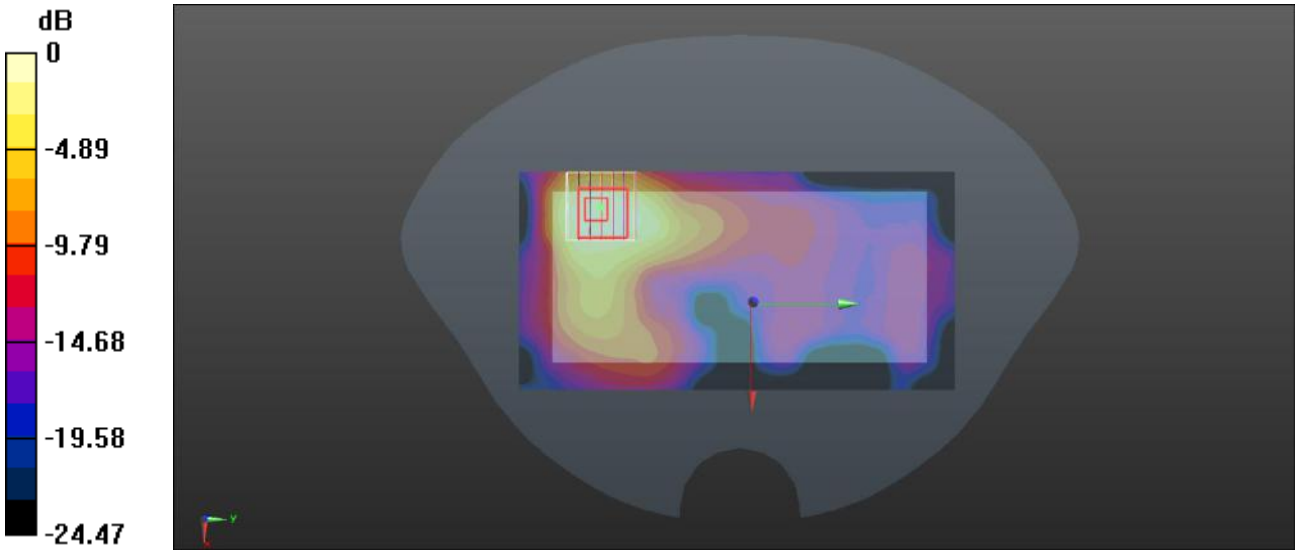
Ch41490+41292/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.913 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.280 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2230116-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2230116-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

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