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:	CPH2339
Brand Name:	OPPO
FCC ID:	R9C-CPH2339
Test Standard:	47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Head (1 g): 1.19 W/kg Body (1 g): 0.41 W/kg Hotspot (1 g): 0.78 W/kg Specific (10 g): 1.94 W/kg
Test Date:	Feb. 21, 2021 - Mar. 21, 2022
Date of Issue:	Apr. 20, 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	Apr. 20, 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	CPH2339
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	ColorOS V12.1
Dimensions (Approx.)	N/A
Weight (Approx.)	about 190g(with battery)

2.5 Ancillary Equipment

Ancillary Equipment 1	Li-Polymer Battery 1	
	Brand Name	SUPERVOOC
	Model No.	BLP923
	Serial No.	N/A
	Capacitance	Rated: 4880mAh/18.88Wh Typical: 5000mAh/19.35Wh
	Rated Voltage	3.87 V
	Limited Voltage	4.45 V
	Manufacturer	Dongguan NVT Technology Co., Ltd
Ancillary Equipment 2	Li-Polymer Battery 2	
	Brand Name	SUPERVOOC
	Model No.	BLP923
	Serial No.	N/A
	Capacitance	Rated: 4880mAh/18.88Wh Typical: 5000mAh/19.35Wh
	Rated Voltage	3.87V
	Limited Voltage	4.45 V
	Manufacturer	Chongqing CosMX Battery Co., Ltd.

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/17/26/66 LTE TDD Band 38/41 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C 5G Network SA: NR n5/n7/n38/n41 NSA(EN-DC): DC_5A_n7A, DC_7A_n5A, DC_66A_n7A Bluetooth (BR+EDR+BLE) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, SBAS, NFC, FM Receiver
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
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180MHz
	NR n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	NR n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	802.11b/g /n(HT20/HT40) /ac(VHT20/VHT40)	2412 ~ 2462 MHz	

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

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

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
6	FCC KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
7	FCC KDB 941225 D06 v02r01	SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities
8	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
9	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
10	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
11	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	1.11	0.18	0.36			
GSM 1900	1.19	0.35	0.44			
WCDMA Band 2	0.78	0.26	0.40			
WCDMA Band 4	0.99	0.27	0.46			
WCDMA Band 5	0.92	0.25	0.39			
LTE Band 2	0.91	0.39	0.58			
LTE Band 4	0.99	0.27	0.53			
LTE Band 5	0.86	0.19	0.42			
LTE Band 7	0.75	0.35	0.50			
LTE Band 12	0.68	0.34	0.27			
LTE Band 17	0.80	0.35	0.32			
LTE Band 26	0.80	0.23	0.35			
LTE Band 66	1.02	0.25	0.44	**1.19**	**0.41**	**0.78**
LTE Band 38	0.87	0.26	0.47			
LTE Band 41	0.81	**0.41**	**0.78**			
NR n5	0.80	0.28	0.47			
NR n7	0.87	0.34	0.60			
NR n38	1.05	0.32	0.49			
NR n41	1.09	0.27	0.72			
2.4G WLAN	0.99	0.18	0.56			
5.2G WLAN	/	/	0.70			
5.3G WLAN	1.08	0.28	/			
5.6G WLAN	**1.19**	0.34	/			
5.8G WLAN	0.54	0.27	0.72			
Bluetooth	0.32	0.05	0.13			
Limit (W/kg)	1.6			1.6		
Verdict	Pass					

3.3.2 Highest Specific SAR (10 g Value)

Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
	Specific 10g	
5.3G WLAN	**1.94**	**1.94**
5.6G WLAN	1.82	
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 1.94 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

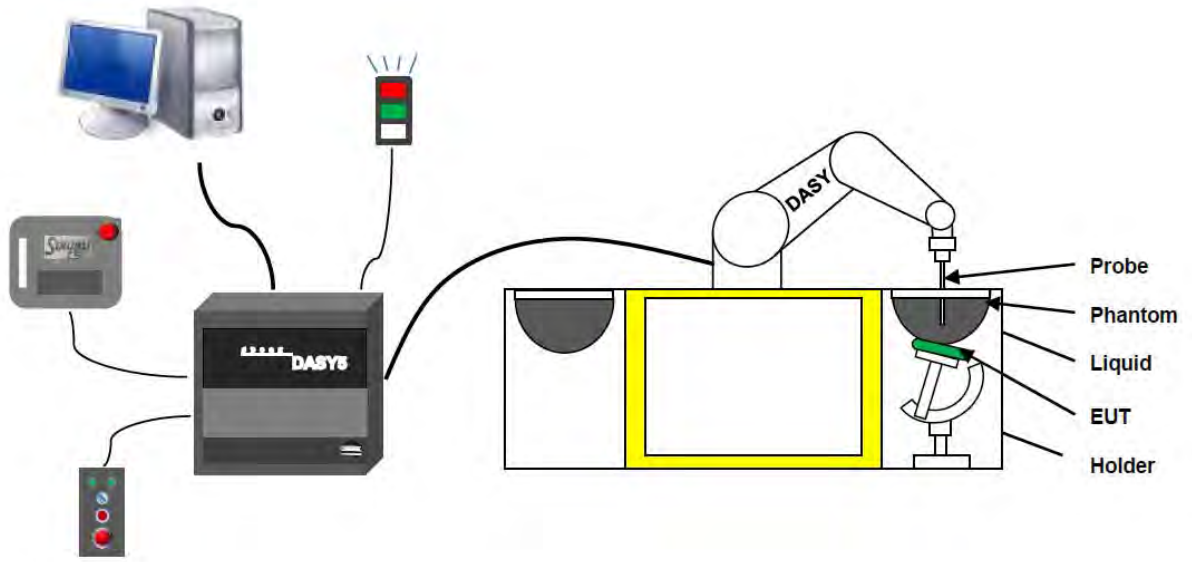
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^2}{\boldsymbol{\rho}}$$

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.

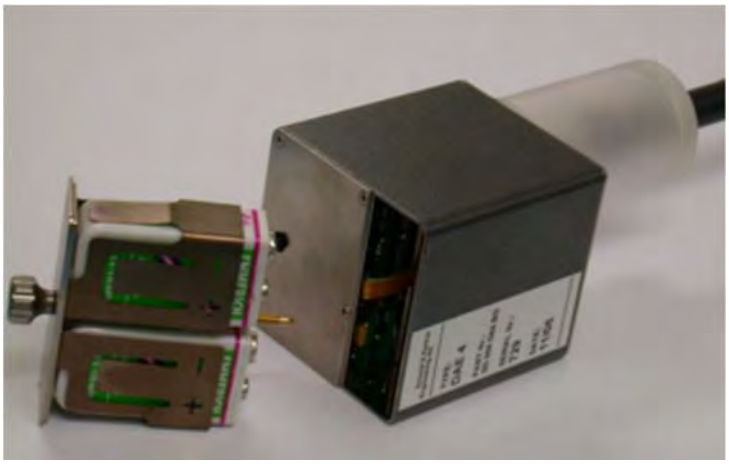
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 μW/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

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



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

4.2.5 Phantoms

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

- Left hand
- Right hand
- Flat phantom

Photo of Phantom SN1857

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

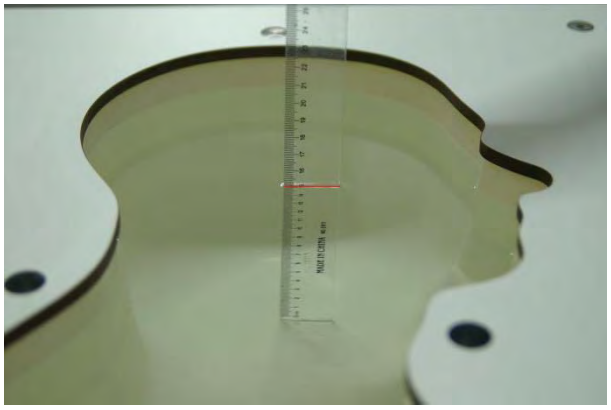
4.2.6 Device Holder

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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

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

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

Frequency(MHz)	Water	DGBE (%)	Salt (%)	Conductivity σ (S/m)	Permittivity ε
5200	78.60	21.40	/	5.54	47.86
5800	78.50	21.40	0.1	6.0	48.20

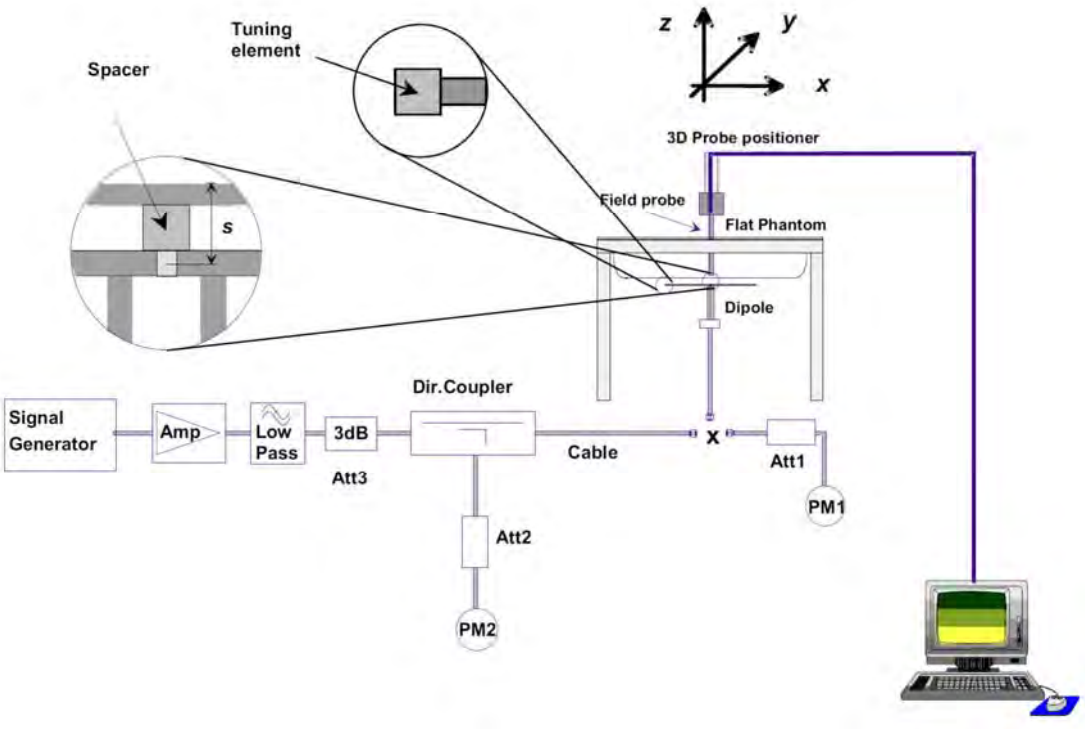
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

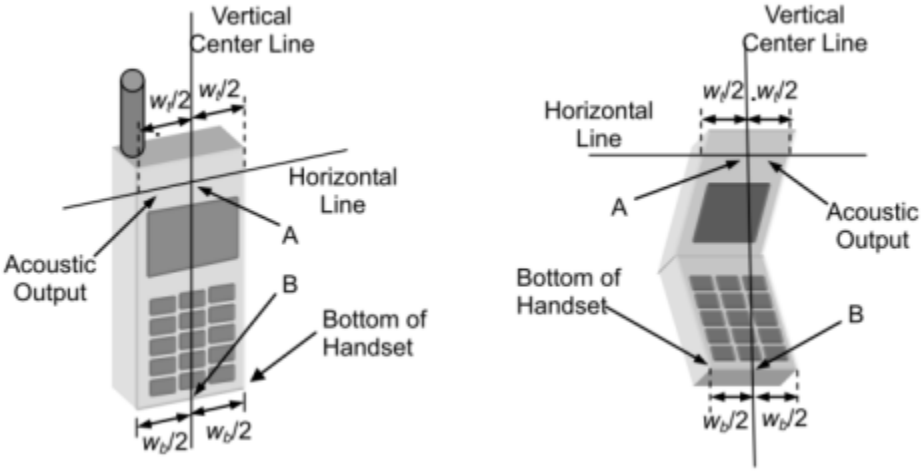
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

(a) The vertical center line passes through two points on the front side of the handset - the midpoint of the width w t of the handset at the level of the acoustic output, and the midpoint of the width w b of the bottom of the handset.

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

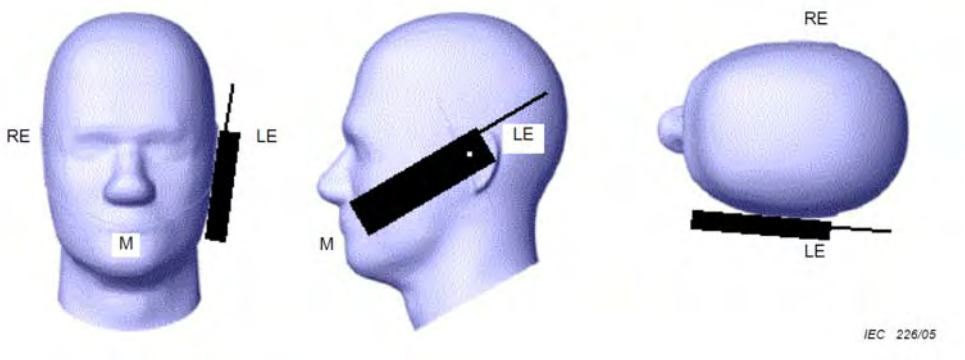
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

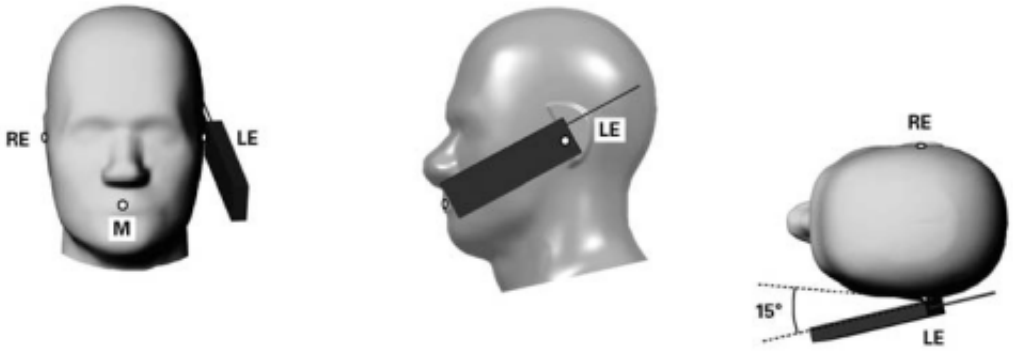
(b) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with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



6.1.3 Tilted Position

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

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

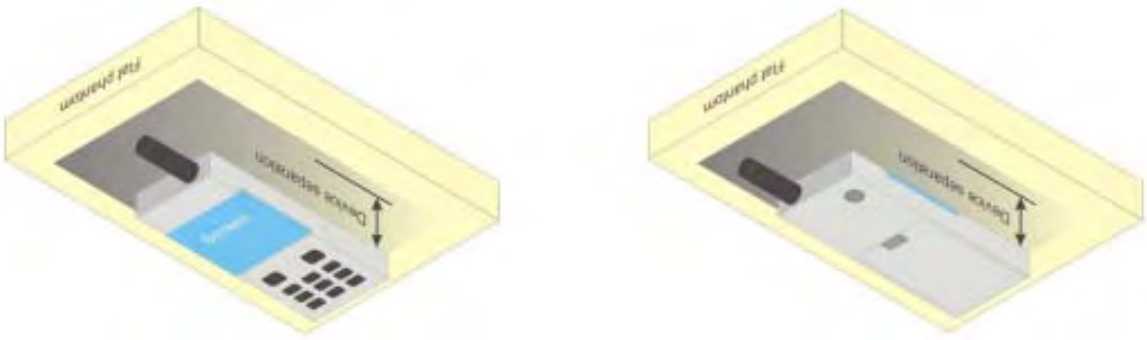


6.2 Body-worn Position Conditions

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

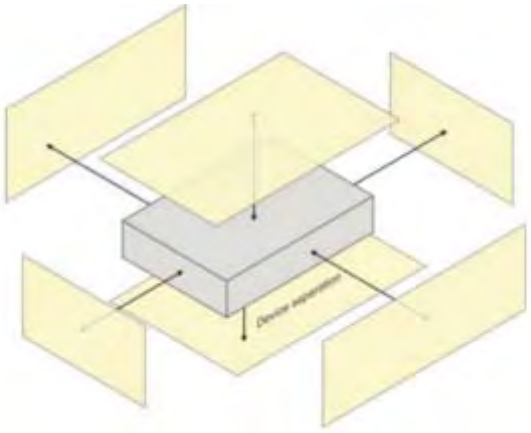
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



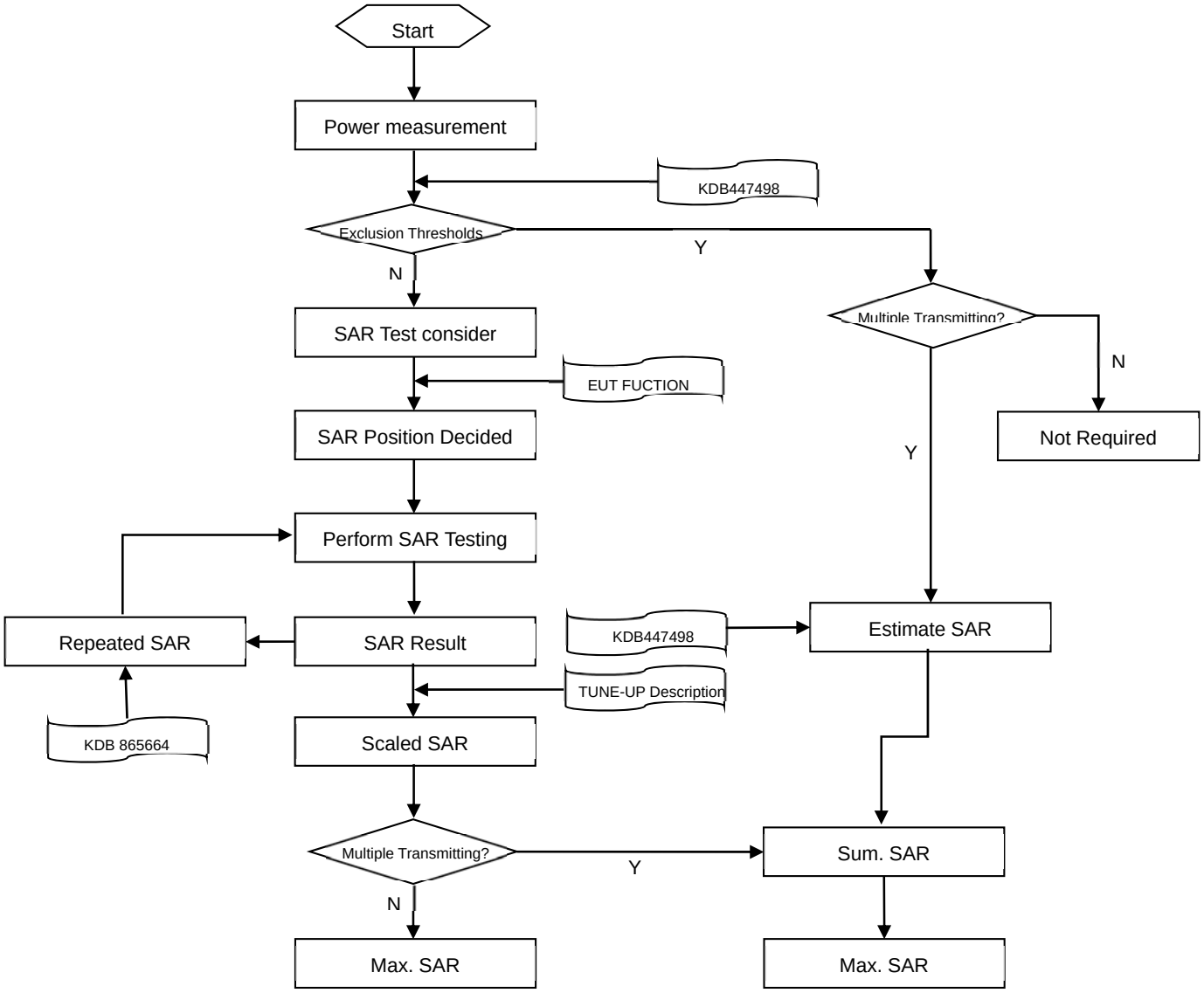
6.4 Product Specific 10g Exposure Consideration

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

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

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="6">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="3">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="3">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>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-State 1

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	15.53	16.50	Yes
		6	2437	**15.64**	16.50	Yes
		11	2462	15.60	16.50	Yes
	802.11g	1	2412	15.56	16.50	No
		6	2437	15.65	16.50	No
		11	2462	15.50	16.50	No
	802.11n(HT20)	1	2412	15.43	16.50	No
		6	2437	15.50	16.50	No
		11	2462	15.60	16.50	No
	802.11n(HT40)	3	2422	15.43	16.50	No
		6	2437	15.49	16.50	No
		9	2452	15.54	16.50	No
	802.11ac(VHT20)	1	2412	15.48	16.50	No
		6	2437	15.64	16.50	No
		11	2462	15.37	16.50	No
	802.11ac(VHT40)	3	2422	15.47	16.50	No
		6	2437	15.60	16.50	No
		9	2452	15.63	16.50	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n than 802.11ac.

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 = 0.991 * (44.67mW/44.67mW) = 0.991 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.2 2.4G WIFI-State 2

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	11.50	13.50	No
		6	2437	**11.63**	13.50	Yes
		11	2462	11.62	13.50	No
	802.11g	1	2412	11.64	13.50	No
		6	2437	11.47	13.50	No
		11	2462	11.56	13.50	No
	802.11n(HT20)	1	2412	11.55	13.50	No
		6	2437	11.55	13.50	No
		11	2462	11.65	13.50	No
	802.11n(HT40)	3	2422	11.47	13.50	No
		6	2437	11.43	13.50	No
		9	2452	11.62	13.50	No
	802.11ac(VHT20)	1	2412	11.39	13.50	No
		6	2437	11.44	13.50	No
		11	2462	11.65	13.50	No
	802.11ac(VHT40)	3	2422	11.54	13.50	No
		6	2437	11.37	13.50	No
		9	2452	11.65	13.50	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n than 802.11ac.

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 = 0.991 * (22.39mW/22.39mW) = 0.991 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.3 2.4G WIFI-State 3

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	18.07	20.00	No
		6	2437	**18.14**	20.00	Yes
		11	2462	18.12	20.00	No
	802.11g	1	2412	17.28	19.00	No
		6	2437	17.46	19.00	No
		11	2462	17.20	19.00	No
	802.11n(HT20)	1	2412	17.31	19.00	No
		6	2437	17.21	19.00	No
		11	2462	17.41	19.00	No
	802.11n(HT40)	3	2422	16.32	18.00	No
		6	2437	16.33	18.00	No
		9	2452	16.37	18.00	No
	802.11ac(VHT20)	1	2412	16.45	18.00	No
		6	2437	16.36	18.00	No
		11	2462	16.22	18.00	No
	802.11ac(VHT40)	3	2422	16.44	18.00	No
		6	2437	16.39	18.00	No
		9	2452	16.32	18.00	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n than 802.11ac.

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 = 0.991 * (79.43mW/100.00mW) = 0.787 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.4 2.4G WIFI-State 4

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	15.53	16.50	No
		6	2437	**15.64**	16.50	Yes
		11	2462	15.60	16.50	No
	802.11g	1	2412	15.56	16.50	No
		6	2437	15.65	16.50	No
		11	2462	15.50	16.50	No
	802.11n(HT20)	1	2412	15.43	16.50	No
		6	2437	15.50	16.50	No
		11	2462	15.60	16.50	No
	802.11n(HT40)	3	2422	15.43	16.50	No
		6	2437	15.49	16.50	No
		9	2452	15.54	16.50	No
	802.11ac(VHT20)	1	2412	15.48	16.50	No
		6	2437	15.64	16.50	No
		11	2462	15.37	16.50	No
	802.11ac(VHT40)	3	2422	15.47	16.50	No
		6	2437	15.60	16.50	No
		9	2452	15.63	16.50	No

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

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

2) When multiple transmission modes (802.11b/g/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n than 802.11ac.

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 = 0.991 * (44.67mW/44.67mW) = 0.991 W/Kg, so 2.4G OFDM SAR test is not required.

8.6.5 5G WIFI-State 1

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	13.09	14.00	No
		40	5200	12.97	14.00	No
		48	5240	13.07	14.00	No
	802.11n(HT20)	36	5180	12.92	14.00	No
		44	5220	12.98	14.00	No
		48	5240	13.16	14.00	No
	802.11n(HT40)	38	5190	12.94	14.00	No
		46	5230	12.99	14.00	No
	802.11ac(VHT20)	36	5180	12.99	14.00	No
		40	5200	13.03	14.00	No
		48	5240	12.91	14.00	No
	802.11ac(VHT40)	38	5190	13.10	14.00	No
		46	5230	13.11	14.00	No
	802.11ac(VHT80)	42	5210	13.02	14.00	No
5.3 (5.25~5.35)	802.11a	52	5260	12.88	14.00	No
		60	5300	13.15	14.00	No
		64	5320	13.08	14.00	No
	802.11n(HT20)	52	5260	13.02	14.00	No
		60	5300	12.99	14.00	No
		64	5320	13.04	14.00	No
	802.11n(HT40)	54	5270	12.95	14.00	No
		62	5310	13.10	14.00	No
	802.11ac(VHT20)	52	5260	13.05	14.00	No
		60	5300	12.90	14.00	No
		64	5320	13.16	14.00	No
	802.11ac(VHT40)	54	5270	13.02	14.00	No
		62	5310	12.98	14.00	No
	802.11ac(VHT80)	58	5290	**13.17**	14.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	13.04	14.00	No
		116	5580	12.97	14.00	No
		140	5700	12.99	14.00	No
	802.11n(HT20)	100	5500	13.02	14.00	No
		116	5580	12.99	14.00	No
		140	5700	12.92	14.00	No
	802.11n(HT40)	102	5510	13.00	14.00	No
		110	5550	12.89	14.00	No

		134	5670	12.91	14.00	No
	802.11ac(VHT20)	100	5500	13.01	14.00	No
		116	5580	13.07	14.00	No
		140	5700	12.92	14.00	No
	802.11ac(VHT40)	102	5510	12.94	14.00	No
		110	5550	12.92	14.00	No
		134	5670	13.11	14.00	No
	802.11ac(VHT80)	106	5530	**13.09**	14.00	Yes
		122	5610	13.03	14.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	13.10	14.00	No
		157	5785	13.00	14.00	No
		165	5825	13.15	14.00	No
	802.11n(HT20)	149	5745	13.11	14.00	No
		157	5785	13.09	14.00	No
		165	5825	12.96	14.00	No
	802.11n(HT40)	151	5755	13.07	14.00	No
		159	5795	13.07	14.00	No
	802.11ac(VHT20)	149	5745	12.95	14.00	No
		157	5785	13.14	14.00	No
		165	5825	12.99	14.00	No
	802.11ac(VHT40)	151	5755	13.04	14.00	No
		159	5795	12.97	14.00	No
	802.11ac(VHT80)	155	5775	**13.11**	14.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.6 5G WIFI-State 2

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	9.28	10.50	No
		40	5200	9.30	10.50	No
		48	5240	9.12	10.50	No
	802.11n(HT20)	36	5180	9.34	10.50	No
		44	5220	9.36	10.50	No
		48	5240	9.35	10.50	No
	802.11n(HT40)	38	5190	9.22	10.50	No
		46	5230	9.35	10.50	No
	802.11ac(VHT20)	36	5180	9.20	10.50	No
		40	5200	9.21	10.50	No
		48	5240	9.08	10.50	No
	802.11ac(VHT40)	38	5190	9.18	10.50	No
		46	5230	9.17	10.50	No
	802.11ac(VHT80)	42	5210	9.23	10.50	No
5.3 (5.25~5.35)	802.11a	52	5260	9.26	10.50	No
		60	5300	9.10	10.50	No
		64	5320	9.14	10.50	No
	802.11n(HT20)	52	5260	9.34	10.50	No
		60	5300	9.30	10.50	No
		64	5320	9.12	10.50	No
	802.11n(HT40)	54	5270	9.36	10.50	No
		62	5310	9.14	10.50	No
	802.11ac(VHT20)	52	5260	9.34	10.50	No
		60	5300	9.13	10.50	No
		64	5320	9.11	10.50	No
	802.11ac(VHT40)	54	5270	9.10	10.50	No
		62	5310	9.34	10.50	No
	802.11ac(VHT80)	58	5290	**9.22**	10.50	Yes
5.6 (5.47~5.725)	802.11a	100	5500	9.32	10.50	No
		116	5580	9.11	10.50	No
		140	5700	9.29	10.50	No
	802.11n(HT20)	100	5500	9.07	10.50	No
		116	5580	9.34	10.50	No
		140	5700	9.08	10.50	No
	802.11n(HT40)	102	5510	9.09	10.50	No
		110	5550	9.36	10.50	No

		134	5670	9.24	10.50	No
	802.11ac(VHT20)	100	5500	9.35	10.50	No
		116	5580	9.19	10.50	No
		140	5700	9.17	10.50	No
	802.11ac(VHT40)	102	5510	9.17	10.50	No
		110	5550	9.24	10.50	No
		134	5670	9.23	10.50	No
	802.11ac(VHT80)	106	5530	**9.17**	10.50	Yes
		122	5610	9.08	10.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	9.23	10.50	No
		157	5785	9.29	10.50	No
		165	5825	9.31	10.50	No
	802.11n(HT20)	149	5745	9.26	10.50	No
		157	5785	9.24	10.50	No
		165	5825	9.19	10.50	No
	802.11n(HT40)	151	5755	9.08	10.50	No
		159	5795	9.25	10.50	No
	802.11ac(VHT20)	149	5745	9.15	10.50	No
		157	5785	9.15	10.50	No
		165	5825	9.12	10.50	No
	802.11ac(VHT40)	151	5755	9.20	10.50	No
		159	5795	9.15	10.50	No
	802.11ac(VHT80)	155	5775	**9.16**	10.50	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.7 5G WIFI-State 3

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	17.00	No
		40	5200	15.15	17.00	No
		48	5240	15.10	17.00	No
	802.11n(HT20)	36	5180	15.08	17.00	No
		44	5220	15.10	17.00	No
		48	5240	15.15	17.00	No
	802.11n(HT40)	38	5190	15.11	17.00	No
		46	5230	15.16	17.00	No
	802.11ac(VHT20)	36	5180	15.09	17.00	No
		40	5200	15.16	17.00	No
		48	5240	15.10	17.00	No
	802.11ac(VHT40)	38	5190	15.07	17.00	No
		46	5230	15.12	17.00	No
	802.11ac(VHT80)	42	5210	**15.13**	17.00	Yes
5.3 (5.25~5.35)	802.11a	52	5260	15.08	17.00	No
		60	5300	15.07	17.00	No
		64	5320	15.13	17.00	No
	802.11n(HT20)	52	5260	15.10	17.00	No
		60	5300	15.09	17.00	No
		64	5320	15.09	17.00	No
	802.11n(HT40)	54	5270	15.12	17.00	No
		62	5310	15.15	17.00	No
	802.11ac(VHT20)	52	5260	15.13	17.00	No
		60	5300	15.13	17.00	No
		64	5320	15.08	17.00	No
	802.11ac(VHT40)	54	5270	15.07	17.00	No
		62	5310	15.12	17.00	No
	802.11ac(VHT80)	58	5290	**15.23**	17.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	15.09	17.00	No
		116	5580	15.08	17.00	No
		140	5700	15.12	17.00	No
	802.11n(HT20)	100	5500	15.12	17.00	No
		116	5580	15.13	17.00	No
		140	5700	15.13	17.00	No
	802.11n(HT40)	102	5510	15.12	17.00	No
		110	5550	15.08	17.00	No

		134	5670	15.09	17.00	No
	802.11ac(VHT20)	100	5500	15.14	17.00	No
		116	5580	15.09	17.00	No
		140	5700	15.16	17.00	No
	802.11ac(VHT40)	102	5510	15.13	17.00	No
		110	5550	15.13	17.00	No
		134	5670	15.14	17.00	No
	802.11ac(VHT80)	106	5530	**15.19**	17.00	Yes
		122	5610	15.07	17.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	15.09	17.00	No
		157	5785	15.08	17.00	No
		165	5825	15.13	17.00	No
	802.11n(HT20)	149	5745	15.13	17.00	No
		157	5785	15.07	17.00	No
		165	5825	15.16	17.00	No
	802.11n(HT40)	151	5755	15.10	17.00	No
		159	5795	15.16	17.00	No
	802.11ac(VHT20)	149	5745	15.08	17.00	No
		157	5785	15.10	17.00	No
		165	5825	15.16	17.00	No
	802.11ac(VHT40)	151	5755	15.09	17.00	No
		159	5795	15.15	17.00	No
	802.11ac(VHT80)	155	5775	**15.08**	17.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.6.8 5G WIFI-State 4

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	12.02	13.00	No
		40	5200	11.98	13.00	No
		48	5240	11.99	13.00	No
	802.11n(HT20)	36	5180	12.14	13.00	No
		44	5220	12.06	13.00	No
		48	5240	12.04	13.00	No
	802.11n(HT40)	38	5190	11.89	13.00	No
		46	5230	11.90	13.00	No
	802.11ac(VHT20)	36	5180	12.13	13.00	No
		40	5200	12.07	13.00	No
		48	5240	12.06	13.00	No
	802.11ac(VHT40)	38	5190	11.88	13.00	No
		46	5230	12.12	13.00	No
	802.11ac(VHT80)	42	5210	**12.17**	13.00	Yes
5.3 (5.25~5.35)	802.11a	52	5260	12.09	13.00	No
		60	5300	11.87	13.00	No
		64	5320	12.07	13.00	No
	802.11n(HT20)	52	5260	11.95	13.00	No
		60	5300	11.96	13.00	No
		64	5320	11.93	13.00	No
	802.11n(HT40)	54	5270	11.87	13.00	No
		62	5310	11.91	13.00	No
	802.11ac(VHT20)	52	5260	11.93	13.00	No
		60	5300	12.14	13.00	No
		64	5320	12.11	13.00	No
	802.11ac(VHT40)	54	5270	12.12	13.00	No
		62	5310	12.14	13.00	No
	802.11ac(VHT80)	58	5290	**12.08**	13.00	Yes
5.6 (5.47~5.725)	802.11a	100	5500	12.07	13.00	No
		116	5580	12.00	13.00	No
		140	5700	11.93	13.00	No
	802.11n(HT20)	100	5500	12.06	13.00	No
		116	5580	11.91	13.00	No
		140	5700	12.08	13.00	No
	802.11n(HT40)	102	5510	11.94	13.00	No
		110	5550	12.00	13.00	No

		134	5670	11.87	13.00	No
	802.11ac(VHT20)	100	5500	11.98	13.00	No
		116	5580	12.13	13.00	No
		140	5700	12.10	13.00	No
	802.11ac(VHT40)	102	5510	12.04	13.00	No
		110	5550	11.96	13.00	No
		134	5670	11.93	13.00	No
	802.11ac(VHT80)	106	5530	**12.14**	13.00	Yes
		122	5610	12.06	13.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	11.88	13.00	No
		157	5785	12.04	13.00	No
		165	5825	11.94	13.00	No
	802.11n(HT20)	149	5745	12.08	13.00	No
		157	5785	12.10	13.00	No
		165	5825	12.04	13.00	No
	802.11n(HT40)	151	5755	11.97	13.00	No
		159	5795	12.09	13.00	No
	802.11ac(VHT20)	149	5745	11.97	13.00	No
		157	5785	11.93	13.00	No
		165	5825	12.16	13.00	No
	802.11ac(VHT40)	151	5755	11.88	13.00	No
		159	5795	12.10	13.00	No
	802.11ac(VHT80)	155	5775	**12.11**	13.00	Yes
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

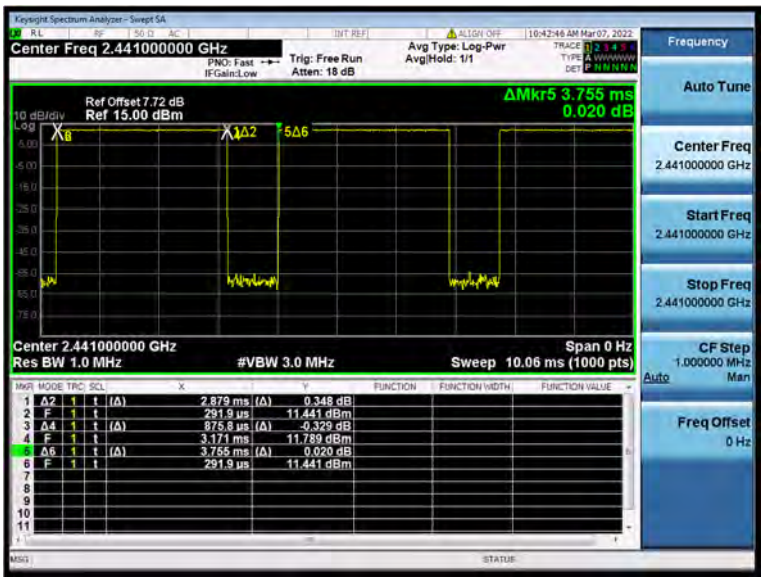
8.7 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	9.68	**9.98**	9.56	8.60	9.26	9.11
Tune-Up Limit (dBm)	11.00	11.00	11.00	11.00	11.00	11.00
SAR Test Require	No	Yes	No	No	No	No
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	8.63	9.33	9.12	/	/	/
Tune-Up Limit (dBm)	11.00	11.00	11.00	/	/	/
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)	4.42	5.32	5.15	4.52	5.45	5.09
Tune-Up Limit (dBm)	6.00	7.00	7.00	6.00	7.00	7.00
SAR Test Require	No	No	No	No	No	No

The Bluetooth duty cycle is 76.68 % 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. When there is a voice call (including VOIP), and the audio is actively routed through the headset or speaker, which indicating the body exposure conditions will trigger the body exposure reduced the power.
4. When this device used data mode only, and the receiver will not work too, the reduced the power are same as body exposure.

WWAN Antenna Reduced Power Level Table

Reduced level	Receiver state	Transmitting conditions
State1	On (head scenario)	WWAN Use Only
State2	On (head scenario)	WWAN + WLAN 2.4G/5G
State3	On (head scenario)	WWAN +5G+BT
State4	Off (Body scenario)	WWAN Use Only
State5	Off (Body scenario)	WWAN + WLAN 2.4G/5G
State6	Off (Body scenario)	WWAN +5G+BT

WLAN Antenna Reduced Power Level Table

Reduced level	Receiver state	Transmitting conditions
State1	On (head scenario)	WLAN Use Only
State2	On (head scenario)	WWAN + WLAN 2.4G/5G WWAN + WLAN 5G+BT
State3	Off (Body scenario)	WLAN Use Only
State4	Off (Body scenario)	WWAN + WLAN 2.4G/5G WWAN + WLAN 5G+BT

WWAN Antenna Power Table

WWAN Antenna							
Mode	Antenna	Receiver on			Receiver off		
		Head			Body		
		Standalone	Simultaneous transmission		Standalone	Simultaneous transmission	
			WWAN+ 2.4/5G	WWAN+5G+ BT		WWAN+ 2.4/5G	WWAN+5G+ BT
		State1	State2	State3	State4	State5	State6
GSM 850	Ant1	31.80	30.30	30.30	33.80	33.80	33.80
GPRS850 1 Tx Slot	Ant1	31.80	30.30	30.30	33.80	33.80	33.80
GPRS850 2 Tx Slots	Ant1	29.50	28.00	28.00	31.50	31.50	31.50
GPRS850 3 Tx Slots	Ant1	27.70	26.20	26.20	29.70	29.70	29.70
GPRS850 4 Tx Slots	Ant1	26.50	25.00	25.00	28.50	28.50	28.50
EGPRS850 1 Tx Slot	Ant1	27.00	25.50	25.50	29.00	29.00	29.00
EGPRS850 2 Tx Slots	Ant1	24.00	22.50	22.50	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant1	22.20	20.70	20.70	24.20	24.20	24.20
EGPRS850 4 Tx Slots	Ant1	21.50	20.00	20.00	23.50	23.50	23.50
GSM 850	Ant0	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
GPRS850 2 Tx Slots	Ant0	31.50	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	Ant0	29.70	29.70	29.70	29.70	29.70	29.70
GPRS850 4 Tx Slots	Ant0	28.50	28.50	28.50	28.50	28.50	28.50
EGPRS850 1 Tx Slot	Ant0	29.00	29.00	29.00	29.00	29.00	29.00
EGPRS850 2 Tx Slots	Ant0	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant0	24.20	24.20	24.20	24.20	24.20	24.20
EGPRS850 4 Tx Slots	Ant0	23.50	23.50	23.50	23.50	23.50	23.50
GSM 1900	Ant1	26.30	25.30	25.30	29.30	26.80	26.80
GPRS1900 1 Tx Slot	Ant1	26.30	25.30	25.30	29.30	26.80	26.80
GPRS1900 2 Tx Slots	Ant1	24.50	23.50	23.50	27.50	25.00	25.00
GPRS1900 3 Tx Slots	Ant1	22.70	21.70	21.70	25.70	23.20	23.20
GPRS1900 4 Tx Slots	Ant1	21.50	20.50	20.50	24.50	22.00	22.00
EGPRS1900 1 Tx Slot	Ant1	24.00	23.00	23.00	27.00	24.50	24.50
EGPRS1900 2 Tx Slots	Ant1	21.00	20.00	20.00	24.00	21.50	21.50
EGPRS1900 3 Tx Slots	Ant1	19.20	18.20	18.20	22.20	19.70	19.70
EGPRS1900 4 Tx Slots	Ant1	18.50	17.50	17.50	21.50	19.00	19.00
GSM 1900	Ant0	30.30	30.30	30.30	30.30	28.80	28.80
GPRS1900 1 Tx Slot	Ant0	30.30	30.30	30.30	30.30	28.80	28.80
GPRS1900 2 Tx Slots	Ant0	28.50	28.50	28.50	28.50	27.00	27.00
GPRS1900 3 Tx Slots	Ant0	26.70	26.70	26.70	26.70	25.20	25.20
GPRS1900 4 Tx Slots	Ant0	25.50	25.50	25.50	25.50	24.00	24.00
EGPRS1900 1 Tx Slot	Ant0	28.00	28.00	28.00	28.00	26.50	26.50

EGPRS1900 2 Tx Slots	Ant0	25.00	25.00	25.00	25.00	23.50	23.50
EGPRS1900 3 Tx Slots	Ant0	23.20	23.20	23.20	23.20	21.70	21.70
EGPRS1900 4 Tx Slots	Ant0	22.50	22.50	22.50	22.50	21.00	21.00
WCDMA Band2 AMR	Ant1	17.80	16.80	16.80	20.80	18.30	18.30
WCDMA Band2 RMC	Ant1	17.80	16.80	16.80	20.80	18.30	18.30
HSDPA Subtest-1	Ant1	16.80	15.80	15.80	19.80	17.30	17.30
HSDPA Subtest-2	Ant1	16.80	15.80	15.80	19.80	17.30	17.30
HSDPA Subtest-3	Ant1	16.30	15.30	15.30	19.30	16.80	16.80
HSDPA Subtest-4	Ant1	16.30	15.30	15.30	19.30	16.80	16.80
HSUPA Subtest-1	Ant1	14.80	13.80	13.80	17.80	15.30	15.30
HSUPA Subtest-2	Ant1	13.80	12.80	12.80	16.80	14.30	14.30
HSUPA Subtest-3	Ant1	14.80	13.80	13.80	17.80	15.30	15.30
HSUPA Subtest-4	Ant1	14.30	13.30	13.30	17.30	14.80	14.80
HSUPA Subtest-5	Ant1	16.80	15.80	15.80	19.80	17.30	17.30
WCDMA Band2 AMR	Ant0	23.80	23.80	23.80	22.80	20.30	20.30
WCDMA Band2 RMC	Ant0	23.80	23.80	23.80	22.80	20.30	20.30
HSDPA Subtest-1	Ant0	22.80	22.80	22.80	21.80	19.30	19.30
HSDPA Subtest-2	Ant0	22.80	22.80	22.80	21.80	19.30	19.30
HSDPA Subtest-3	Ant0	22.30	22.30	22.30	21.30	18.80	18.80
HSDPA Subtest-4	Ant0	22.30	22.30	22.30	21.30	18.80	18.80
HSUPA Subtest-1	Ant0	20.80	20.80	20.80	19.80	17.30	17.30
HSUPA Subtest-2	Ant0	19.80	19.80	19.80	18.80	16.30	16.30
HSUPA Subtest-3	Ant0	20.80	20.80	20.80	19.80	17.30	17.30
HSUPA Subtest-4	Ant0	20.30	20.30	20.30	19.30	16.80	16.80
HSUPA Subtest-5	Ant0	22.80	22.80	22.80	21.80	19.30	19.30
WCDMA Band4 AMR	Ant1	18.30	17.30	17.30	20.80	18.30	18.30
WCDMA Band4 RMC	Ant1	18.30	17.30	17.30	20.80	18.30	18.30
HSDPA Subtest-1	Ant1	17.30	16.30	16.30	19.80	17.30	17.30
HSDPA Subtest-2	Ant1	17.30	16.30	16.30	19.80	17.30	17.30
HSDPA Subtest-3	Ant1	16.80	15.80	15.80	19.30	16.80	16.80
HSDPA Subtest-4	Ant1	16.80	15.80	15.80	19.30	16.80	16.80
HSUPA Subtest-1	Ant1	15.30	14.30	14.30	17.80	15.30	15.30
HSUPA Subtest-2	Ant1	14.30	13.30	13.30	16.80	14.30	14.30
HSUPA Subtest-3	Ant1	15.30	14.30	14.30	17.80	15.30	15.30
HSUPA Subtest-4	Ant1	14.80	13.80	13.80	17.30	14.80	14.80
HSUPA Subtest-5	Ant1	17.30	16.30	16.30	19.80	17.30	17.30
WCDMA Band4 AMR	Ant0	23.80	23.80	23.80	21.80	19.30	19.30
WCDMA Band4 RMC	Ant0	23.80	23.80	23.80	21.80	19.30	19.30
HSDPA Subtest-1	Ant0	22.80	22.80	22.80	20.80	18.30	18.30
HSDPA Subtest-2	Ant0	22.80	22.80	22.80	20.80	18.30	18.30
HSDPA Subtest-3	Ant0	22.30	22.30	22.30	20.30	17.80	17.80

HSDPA Subtest-4	Ant0	22.30	22.30	22.30	20.30	17.80	17.80
HSUPA Subtest-1	Ant0	20.80	20.80	20.80	18.80	16.30	16.30
HSUPA Subtest-2	Ant0	19.80	19.80	19.80	17.80	15.30	15.30
HSUPA Subtest-3	Ant0	20.80	20.80	20.80	18.80	16.30	16.30
HSUPA Subtest-4	Ant0	20.30	20.30	20.30	18.30	15.80	15.80
HSUPA Subtest-5	Ant0	22.80	22.80	22.80	20.80	18.30	18.30
WCDMA Band5 AMR	Ant1	22.80	21.30	21.30	24.80	23.80	23.80
WCDMA Band5 RMC	Ant1	22.80	21.30	21.30	24.80	23.80	23.80
HSDPA Subtest-1	Ant1	21.80	20.30	20.30	23.80	22.80	22.80
HSDPA Subtest-2	Ant1	21.80	20.30	20.30	23.80	22.80	22.80
HSDPA Subtest-3	Ant1	21.30	19.80	19.80	23.30	22.30	22.30
HSDPA Subtest-4	Ant1	21.30	19.80	19.80	23.30	22.30	22.30
HSUPA Subtest-1	Ant1	19.80	18.30	18.30	21.80	20.80	20.80
HSUPA Subtest-2	Ant1	18.80	17.30	17.30	20.80	19.80	19.80
HSUPA Subtest-3	Ant1	19.80	18.30	18.30	21.80	20.80	20.80
HSUPA Subtest-4	Ant1	19.30	17.80	17.80	21.30	20.30	20.30
HSUPA Subtest-5	Ant1	21.80	20.30	20.30	23.80	22.80	22.80
WCDMA Band5 AMR	Ant0	24.80	24.80	24.80	24.80	22.80	22.80
WCDMA Band5 RMC	Ant0	24.80	24.80	24.80	24.80	22.80	22.80
HSDPA Subtest-1	Ant0	23.80	23.80	23.80	23.80	21.80	21.80
HSDPA Subtest-2	Ant0	23.80	23.80	23.80	23.80	21.80	21.80
HSDPA Subtest-3	Ant0	23.30	23.30	23.30	23.30	21.30	21.30
HSDPA Subtest-4	Ant0	23.30	23.30	23.30	23.30	21.30	21.30
HSUPA Subtest-1	Ant0	21.80	21.80	21.80	21.80	19.80	19.80
HSUPA Subtest-2	Ant0	20.80	20.80	20.80	20.80	18.80	18.80
HSUPA Subtest-3	Ant0	21.80	21.80	21.80	21.80	19.80	19.80
HSUPA Subtest-4	Ant0	21.30	21.30	21.30	21.30	19.30	19.30
HSUPA Subtest-5	Ant0	23.80	23.80	23.80	23.80	21.80	21.80
LTE Band2	Ant1	18.30	17.30	17.30	22.30	20.30	20.30
LTE Band2	Ant0	23.80	23.80	23.80	23.30	21.30	21.30
LTE Band4	Ant1	17.80	17.80	17.80	22.30	20.30	20.30
LTE Band4	Ant0	23.80	23.80	23.80	22.30	20.30	20.30
LTE Band5	Ant1	22.80	21.80	21.80	24.80	24.80	24.80
LTE Band5	Ant0	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band7	Ant1	17.80	16.80	16.80	21.80	19.80	19.80
LTE Band7	Ant0	24.30	24.30	24.30	22.80	20.80	20.80
LTE Band12	Ant1	23.80	22.80	22.80	24.80	24.80	24.80
LTE Band12	Ant0	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band17	Ant1	24.80	23.80	23.80	24.80	24.80	24.80
LTE Band17	Ant0	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band26	Ant1	22.80	21.80	21.80	24.80	24.80	24.80

LTE Band26	Ant0	24.80	24.80	24.80	24.80	24.80	24.80
LTE Band66	Ant1	18.80	17.80	17.80	21.80	19.80	19.80
LTE Band66	Ant0	23.80	23.80	23.80	21.80	19.80	19.80
LTE Band38	Ant1	20.80	19.80	19.80	24.30	24.30	24.30
LTE Band38	Ant0	24.30	24.30	24.30	24.30	24.30	24.30
LTE Band41	Ant1	20.30	19.30	19.30	23.30	21.30	21.30
LTE Band41	Ant0	24.30	24.30	24.30	24.30	24.3	24.30

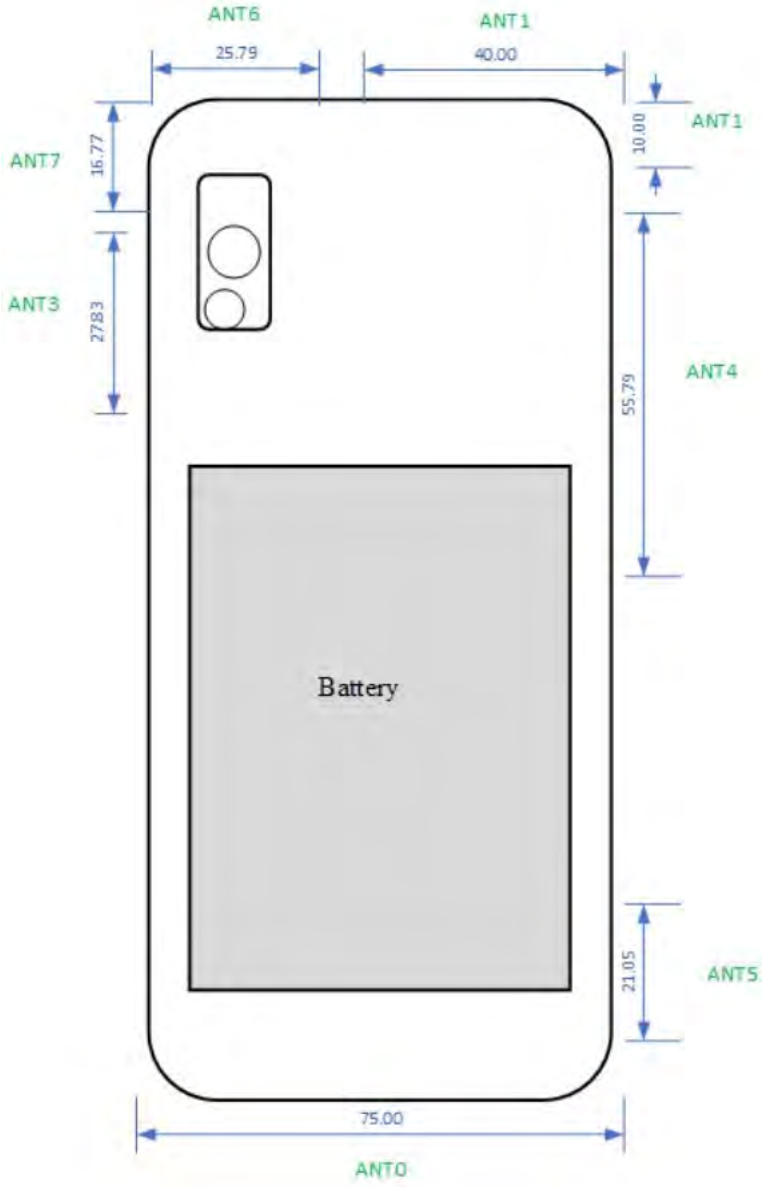
Mode	Band	Antenna	WWAN Antenna					
			Receiver on			Receiver off		
			Head			Body		
			Standalone	Simultaneous transmission		Standalone	Simultaneous transmission	
				WWAN+ 2.4/5G	WWAN+5G +BT		WWAN+ 2.4/5G	WWAN+5G +BT
			State1	State2	State3	State4	State5	State6
n5(SA)		Ant.0	25.00	25.00	25.00	25.00	25.00	25.00
n5(SA)		Ant.1	22.00	21.00	21.00	25.00	25.00	25.00
DC_7A+n5A	n5	Ant.1	19.50	18.00	18.00	23.50	22.00	22.00
	LTE Band7	Ant.0	24.30	24.30	24.30	19.30	17.80	17.80
DC_7A+n5A	n5	Ant.1	19.50	18.00	18.00	23.50	22.00	22.00
	LTE Band7	Ant.4	19.80	18.30	18.30	17.30	15.80	15.80
DC_7A+n5A	n5	Ant.0	25.00	25.00	25.00	22.00	20.50	20.50
	LTE Band7	Ant.1	15.30	13.80	13.80	18.30	16.80	16.80
DC_7A+n5A	n5	Ant.0	25.00	25.00	25.00	22.00	20.50	20.50
	LTE Band7	Ant.4	19.80	18.30	18.30	17.30	15.80	15.80
n7(SA)		Ant.0	24.50	24.50	24.50	23.00	21.50	21.50
n7(SA)		Ant.1	17.50	16.50	16.50	22.00	20.50	20.50
n7(SA)		Ant.4	21.20	20.20	20.20	21.20	19.70	19.70
DC_5A_n7A	n7	Ant.0	24.50	24.50	24.50	20.00	18.50	18.50
	LTE Band5	Ant.1	19.30	17.80	17.80	21.80	20.30	20.30
DC_5A_n7A	n7	Ant.4	21.20	20.20	20.20	19.20	17.70	17.70
	LTE Band5	Ant.1	19.30	17.80	17.80	21.80	20.30	20.30
DC_5A_n7A	n7	Ant.1	15.00	13.50	13.50	19.00	17.50	17.50
	LTE Band5	Ant.0	23.80	23.80	23.80	23.80	23.80	23.80
DC_5A_n7A	n7	Ant.4	21.20	20.20	20.20	19.20	17.70	17.70
	LTE Band5	Ant.0	23.80	23.80	23.80	23.80	23.80	23.80
DC_66A_n7A	n7	Ant.0	24.50	24.50	24.50	20.00	18.50	18.50
	LTE Band66	Ant.1	16.30	14.80	14.80	18.30	16.80	16.80
DC_66A_n7A	n7	Ant.4	21.20	20.20	20.20	19.20	17.70	17.70
	LTE Band66	Ant.1	16.30	14.80	14.80	18.30	16.80	16.80
DC_66A_n7A	n7	Ant.1	15.00	13.50	13.50	19.00	17.50	17.50
	LTE Band66	Ant.0	23.80	23.80	23.80	18.30	16.80	16.80
DC_66A_n7A	n7	Ant.4	21.20	20.20	20.20	19.20	17.70	17.70
	LTE Band66	Ant.0	23.80	23.80	23.80	18.30	16.80	16.80
n38(SA)		Ant.0	24.50	24.50	24.50	23.50	22.00	22.00
n38(SA)		Ant.1	19.00	18.00	18.00	23.50	22.00	22.00
n38(SA)		Ant.4	20.20	19.70	19.70	20.20	19.20	19.20
n41(SA)		Ant.0	24.50	24.50	24.50	23.50	22.00	22.00

n41(SA)	Ant.1	18.00	18.00	18.00	22.00	21.50	21.50
n41(SA)	Ant.4	21.20	20.20	20.20	21.20	19.70	19.70

WLAN Antenna Power Table

Mode	WLAN Antenna			
	Receiver on		Receiver off	
	Head		Body	
	Standalone	Simultaneous transmission WWAN+2.4/5G WWAN+5G+BT	Standalone	Simultaneous transmission WWAN+2.4/5G WWAN+5G+BT
	State1	State2	State3	State4
2.4G WLAN 802.11b	16.50	13.50	20.00	16.50
2.4G WLAN 802.11g	16.50	13.50	20.00	16.50
2.4G WLAN 802.11n20	16.50	13.50	20.00	16.50
2.4G WLAN 802.11n40	16.50	13.50	19.00	16.50
2.4G WLAN 802.11ac20	16.50	13.50	19.00	16.50
2.4G WLAN 802.11ac40	16.50	13.50	19.00	16.50
5.2G WLAN 802.11a	14.00	10.50	17.00	13.00
5.2G WLAN 802.11n20	14.00	10.50	17.00	13.00
5.2G WLAN 802.11n40	14.00	10.50	17.00	13.00
5.2G WLAN 802.11ac20	14.00	10.50	17.00	13.00
5.2G WLAN 802.11ac40	14.00	10.50	17.00	13.00
5.2G WLAN 802.11ac80	14.00	10.50	17.00	13.00
5.3G WLAN 802.11n20	14.00	10.50	17.00	13.00
5.3G WLAN 802.11n40	14.00	10.50	17.00	13.00
5.3G WLAN 802.11ac20	14.00	10.50	17.00	13.00
5.3G WLAN 802.11ac40	14.00	10.50	17.00	13.00
5.3G WLAN 802.11ac80	14.00	10.50	17.00	13.00
5.6G WLAN 802.11a	14.00	10.50	17.00	13.00
5.6G WLAN 802.11n20	14.00	10.50	17.00	13.00
5.6G WLAN 802.11n40	14.00	10.50	17.00	13.00
5.6G WLAN 802.11ac20	14.00	10.50	17.00	13.00
5.6G WLAN 802.11ac40	14.00	10.50	17.00	13.00
5.6G WLAN 802.11ac80	14.00	10.50	17.00	13.00
5.8G WLAN 802.11a	14.00	10.50	17.00	13.00
5.8G WLAN 802.11n20	14.00	10.50	17.00	13.00
5.8G WLAN 802.11n40	14.00	10.50	17.00	13.00
5.8G WLAN 802.11ac20	14.00	10.50	17.00	13.00
5.8G WLAN 802.11ac40	14.00	10.50	17.00	13.00
5.8G LAN 802.11ac80	14.00	10.50	17.00	13.00
Bluetooth	11.00	11.00	11.00	11.00

9 TEST EXCLUSION CONSIDERATION



Back View

Antenna	Support Bands
ANT0	GSM850/1900
	WCDMA B2/4/5
	LTE B2/4/5/7/12/17/26/38/41/66
	NR n5/n7/n38/n41
ANT1	GSM850/1900
	WCDMA B2/4/5
	LTE B2/4/5/7/12/17/26/38/41/66
	NR n5/n7/n38/n41
ANT4	LTE B7/38/41
	NR n7/n38/n41
ANT7	WLAN 2.4G/5G/BT

Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edg e(mm)	Bottom Edge (mm)
ANT0	<5	<5	<5	<5	>25	<5
ANT1	<5	<5	>25	<5	<5	>25
ANT4	<5	<5	>25	<5	<5	>25
ANT7	<5	<5	<5	>25	<5	>25

9.1 SAR Test Exclusion Consideration Table

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

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	31.50	1412.54	Yes	Yes	Yes	Yes	No	Yes
GSM 1900	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	Data	28.50	707.95	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
WCDMA Band 5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	RMC	24.80	302.00	Yes	Yes	Yes	Yes	No	Yes
LTE Band 2	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 4	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.80	239.88	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 66	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	23.80	239.88	Yes	Yes	Yes	Yes	No	Yes
LTE Band 38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
LTE Band 41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.30	269.15	Yes	Yes	Yes	Yes	No	Yes
NR n5	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	25.00	316.23	Yes	Yes	Yes	Yes	No	Yes
NR n7	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm

	QPSK	24.50	281.84	Yes	Yes	Yes	Yes	No	Yes
NR n38	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes
NR n41	Distance to User			<5mm	<5mm	<5mm	<5mm	>25mm	<5mm
	QPSK	24.00	251.19	Yes	Yes	Yes	Yes	No	Yes

ANT1

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	31.50	1412.54	Yes	Yes	No	Yes	Yes	No
GSM 1900	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	Data	27.50	562.34	Yes	Yes	No	Yes	Yes	No
WCDMA Band 2	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	20.80	120.23	Yes	Yes	No	Yes	Yes	No
WCDMA Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	RMC	20.80	120.23	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	22.30	169.82	Yes	Yes	No	Yes	Yes	No
LTE Band 4	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	22.30	169.82	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	21.80	151.36	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 66	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	21.80	151.36	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	23.30	213.80	Yes	Yes	No	Yes	Yes	No
NR n5	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm

	QPSK	25.00	316.23	Yes	Yes	No	Yes	Yes	No
NR n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	22.00	158.49	Yes	Yes	No	Yes	Yes	No
NR n38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	23.00	199.53	Yes	Yes	No	Yes	Yes	No
NR n41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	22.50	177.83	Yes	Yes	No	Yes	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	21.00	125.89	Yes	Yes	No	Yes	Yes	No
LTE Band 38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	20.00	100.00	Yes	Yes	No	Yes	Yes	No
LTE Band 41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	22.00	158.49	Yes	Yes	No	Yes	Yes	No
NR n7	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	21.20	131.83	Yes	Yes	No	Yes	Yes	No
NR n38	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	20.70	117.49	Yes	Yes	No	Yes	Yes	No
NR n41	Distance to User			<5mm	<5mm	>25mm	<5mm	<5mm	>25mm
	QPSK	21.20	131.83	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	20.00	100.00	Yes	Yes	Yes	No	Yes	No
	802.11g	19.00	79.43	No	No	No	No	No	No
	802.11n(HT20)	19.00	79.43	No	No	No	No	No	No
	802.11n(HT40)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT20)	18.00	63.10	No	No	No	No	No	No
	802.11ac(VHT40)	18.00	63.10	No	No	No	No	No	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	17.00	50.12	No	No	No	No	No	No
	802.11n(HT20)	17.00	50.12	No	No	No	No	No	No
	802.11n(HT40)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT20)	17.00	50.12	No	No	No	No	No	No

	802.11ac(VHT40)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT80)	17.00	50.12	Yes	Yes	Yes	No	Yes	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	17.00	50.12	No	No	No	No	No	No
	802.11n(HT20)	17.00	50.12	No	No	No	No	No	No
	802.11n(HT40)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT20)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT40)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT80)	17.00	50.12	Yes	Yes	Yes	No	Yes	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	17.00	50.12	No	No	No	No	No	No
	802.11n(HT20)	17.00	50.12	No	No	No	No	No	No
	802.11n(HT40)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT20)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT40)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT80)	17.00	50.12	Yes	Yes	Yes	No	Yes	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	17.00	50.12	No	No	No	No	No	No
	802.11n(HT20)	17.00	50.12	No	No	No	No	No	No
	802.11n(HT40)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT20)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT40)	17.00	50.12	No	No	No	No	No	No
	802.11ac(VHT80)	17.00	50.12	Yes	Yes	Yes	No	Yes	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	BR+EDR	11.00	12.59	Yes	Yes	Yes	No	Yes	No
	BLE	7.00	5.01	No	No	No	No	No	No

Note:

1. Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
2. Per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D01, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
4. Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
   [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
   a. f(GHz) is the RF channel transmit frequency in GHz
   b. Power and distance are rounded to the nearest mW and mm before calculation
   c. The result is rounded to one decimal place for comparison
   d. For < 50 mm distance, we just calculate mW of the exclusion threshold value (3.0) to do compare.
   This formula is [3.0] / [√f(GHz)] ·[(min. test separation distance, mm)] = exclusion threshold of mW.
5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
   a. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
   b. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz
6. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If HSDPA /HSUPA /DC-HSDPA output power is < 0.25dB higher than RMC12.2Kbps, or reported SAR with RMC 12.2kbps setting is ≤ 1.2W/kg, HSDPA/HSUPA/DC-HSDPA SAR evaluation can be excluded.
7. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion.8. For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4dB higher than those measured at the lowest data rate
8. Per KDB 248227 D01 SAR is not required for the following 2.4 GHz OFDM conditions.
   a. When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.
   b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
9. Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
   a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
   b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1	GPRS (2slots)	Left Cheek	0	190	836.6	0.19	0.586	27.65	29.00	1.366	0.801	/
	State1		Left Tilt	0	190	836.6	0.18	0.538	27.65	29.00	1.366	0.735	/
	State1		Right Cheek	0	190	836.6	0.07	0.811	27.65	29.00	1.366	**1.108**	1#
	State1			0	128	824.2	-0.09	0.762	27.60	29.00	1.380	1.052	/
	State1			0	251	848.8	0.06	0.776	27.51	29.00	1.409	1.094	/
	State1		Right Tilt	0	190	836.6	0.13	0.717	27.65	29.00	1.366	0.980	/
	State1			0	128	824.2	0.05	0.674	27.60	29.00	1.380	0.930	/
	State1			0	251	848.8	-0.09	0.682	27.51	29.00	1.409	0.961	/
Ant.1	State2&3	GPRS (2slots)	Left Cheek	0	190	836.6	0.02	0.450	26.80	28.00	1.320	0.594	/
	State2&3		Left Tilt	0	190	836.6	-0.10	0.443	26.80	28.00	1.320	0.585	/
	State2&3		Right Cheek	0	190	836.6	-0.12	0.660	26.80	28.00	1.320	0.871	/
	State2&3			0	128	824.2	0.09	0.599	26.79	28.00	1.322	0.792	/
	State2&3			0	251	848.8	0.03	0.610	26.76	28.00	1.330	0.811	/
	State2&3		Right Tilt	0	190	836.6	-0.07	0.555	26.80	28.00	1.320	0.732	/
Ant.0	State1&2&3	GPRS (2slots)	Left Cheek	0	190	836.6	0.13	0.121	30.49	31.50	1.262	0.153	/
	State1&2&3		Left Tilt	0	190	836.6	0.12	0.061	30.49	31.50	1.262	0.077	/
	State1&2&3		Right Cheek	0	190	836.6	-0.05	0.090	30.49	31.50	1.262	0.114	/
	State1&2&3		Right Tilt	0	190	836.6	0.10	0.049	30.49	31.50	1.262	0.062	/
Body-worn Accessory													
Ant.1	State4	GPRS (2slots)	Front Side	15	190	836.6	0.13	0.096	30.13	31.50	1.372	0.132	/
	State4		Back Side	15	190	836.6	-0.04	0.118	30.13	31.50	1.372	0.162	/
Ant.0	State4	GPRS (2slots)	Front Side	15	190	836.6	0.15	0.083	30.49	31.50	1.262	0.105	/
	State4		Back Side	15	190	836.6	-0.19	0.146	30.49	31.50	1.262	**0.184**	2#
Hotspot													
Ant.1	State5&6	GPRS (2slots)	Front Side	10	190	836.6	0.01	0.159	30.13	31.50	1.372	0.218	/
	State5&6		Back Side	10	190	836.6	-0.18	0.261	30.13	31.50	1.372	**0.358**	3#
	State5&6		Right Edge	10	190	836.6	-0.07	0.102	30.13	31.50	1.372	0.140	/
	State5&6		Top Edge	10	190	836.6	-0.15	0.166	30.13	31.50	1.372	0.228	/
Ant.0	State5&6	GPRS (2slots)	Front Side	10	190	836.6	0.07	0.109	30.49	31.50	1.262	0.138	/
	State5&6		Back Side	10	190	836.6	0.15	0.200	30.49	31.50	1.262	0.252	/
	State5&6		Left Edge	10	190	836.6	0.14	0.062	30.49	31.50	1.262	0.078	/
	State5&6		Right Edge	10	190	836.6	-0.10	0.094	30.49	31.50	1.262	0.119	/
	State5&6		Bottom Edge	10	190	836.6	0.16	0.162	30.49	31.50	1.262	0.204	/

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

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1	GPRS (2slots)	Left Cheek	0	661	1880.0	-0.07	0.599	23.60	24.50	1.232	0.738	/
	State1		Left Tilt	0	661	1880.0	0.05	0.721	23.60	24.50	1.232	0.888	/
	State1			0	512	1850.2	0.05	0.614	23.41	24.50	1.285	0.789	/
	State1			0	810	1909.8	0.04	0.623	23.59	24.50	1.233	0.768	/
	State1		Right Cheek	0	661	1880.0	0.04	0.841	23.60	24.50	1.232	1.036	/
	State1			0	512	1850.2	0.05	0.724	23.41	24.50	1.285	0.931	/
	State1			0	810	1909.8	0.17	0.759	23.59	24.50	1.233	0.936	/
	State1		Right Tilt	0	661	1880.0	0.10	0.967	23.60	24.50	1.232	**1.191**	4#
	State1			0	512	1850.2	0.04	0.831	23.41	24.50	1.285	1.068	/
	State1			0	810	1909.8	-0.18	0.880	23.59	24.50	1.233	1.085	/
Ant.1	State2&3	GPRS (2slots)	Left Cheek	0	661	1880.0	-0.19	0.459	22.86	23.50	1.159	0.532	/
	State2&3		Left Tilt	0	661	1880.0	-0.13	0.586	22.86	23.50	1.159	0.679	/
	State2&3		Right Cheek	0	661	1880.0	0.17	0.675	22.86	23.50	1.159	0.782	/
	State2&3		Right Tilt	0	661	1880.0	-0.07	0.759	22.86	23.50	1.159	0.880	/
	State2&3			0	512	1850.2	0.00	0.652	22.48	23.50	1.265	0.825	/
	State2&3			0	810	1909.8	-0.12	0.720	22.55	23.50	1.245	0.896	/
Ant.0	State1&2&3	GPRS (2slots)	Left Cheek	0	661	1880.0	0.11	0.054	27.81	28.50	1.172	0.063	/
	State1&2&3		Left Tilt	0	661	1880.0	0.01	0.041	27.81	28.50	1.172	0.048	/
	State1&2&3		Right Cheek	0	661	1880.0	-0.09	0.039	27.81	28.50	1.172	0.046	/
	State1&2&3		Right Tilt	0	661	1880.0	0.10	0.042	27.81	28.50	1.172	0.049	/
Body-worn Accessory													
Ant.1	State4	GPRS (2slots)	Front Side	15	661	1880.0	0.15	0.218	26.78	27.50	1.182	0.258	/
	State4		Back Side	15	661	1880.0	-0.13	0.292	26.78	27.50	1.182	**0.345**	5#
Ant.0	State4	GPRS (2slots)	Front Side	15	661	1880.0	-0.08	0.126	27.81	28.50	1.172	0.148	/
	State4		Back Side	15	661	1880.0	0.14	0.201	27.81	28.50	1.172	0.236	/
Hotspot													
Ant.1	State5&6	GPRS (2slots)	Front Side	10	661	1880.0	0.06	0.220	24.25	25.00	1.190	0.262	/
	State5&6		Back Side	10	661	1880.0	-0.04	0.310	24.25	25.00	1.190	0.369	/
	State5&6		Right Edge	10	661	1880.0	0.15	0.083	24.25	25.00	1.190	0.099	/
	State5&6		Top Edge	10	661	1880.0	-0.19	0.352	24.25	25.00	1.190	0.419	/
Ant.0	State5&6	GPRS (2slots)	Front Side	10	661	1880.0	-0.10	0.318	23.65	24.50	1.216	0.387	/
	State5&6		Back Side	10	661	1880.0	-0.17	0.343	23.65	24.50	1.216	0.417	/
	State5&6		Left Edge	10	661	1880.0	0.07	0.077	23.65	24.50	1.216	0.094	/
	State5&6		Right Edge	10	661	1880.0	0.10	0.040	23.65	24.50	1.216	0.049	/
	State5&6		Bottom Edge	10	661	1880.0	-0.12	0.362	23.65	24.50	1.216	**0.440**	6#

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

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1	RMC	Left Cheek	0	9538	1907.6	0.03	0.491	17.76	17.80	1.009	0.496	/
	State1		Left Tilt	0	9538	1907.6	-0.19	0.590	17.76	17.80	1.009	0.595	/
	State1		Right Cheek	0	9538	1907.6	-0.11	0.733	17.76	17.80	1.009	0.740	/
	State1		Right Tilt	0	9538	1907.6	-0.02	0.777	17.76	17.80	1.009	**0.784**	7#
Ant.1	State2&3	RMC	Left Cheek	0	9538	1907.6	0.05	0.405	16.71	16.80	1.021	0.413	/
	State2&3		Left Tilt	0	9538	1907.6	-0.03	0.486	16.71	16.80	1.021	0.496	/
	State2&3		Right Cheek	0	9538	1907.6	-0.10	0.589	16.71	16.80	1.021	0.601	/
	State2&3		Right Tilt	0	9538	1907.6	-0.140	0.633	16.71	16.80	1.021	0.646	/
Ant.0	State1&2&3	RMC	Left Cheek	0	9400	1880.0	0.01	0.088	23.64	23.80	1.038	0.091	/
	State1&2&3		Left Tilt	0	9400	1880.0	-0.05	0.067	23.64	23.80	1.038	0.070	/
	State1&2&3		Right Cheek	0	9400	1880.0	0.10	0.063	23.64	23.80	1.038	0.065	/
	State1&2&3		Right Tilt	0	9400	1880.0	0.11	0.070	23.64	23.80	1.038	0.073	/
Body-worn Accessory													
Ant.1	State4	RMC	Front Side	15	9400	1880.0	-0.09	0.183	20.33	20.80	1.114	0.204	/
	State4		Back Side	15	9400	1880.0	0.11	0.231	20.33	20.80	1.114	**0.257**	8#
Ant.0	State4	RMC	Front Side	15	9400	1880.0	0.13	0.128	22.61	22.80	1.045	0.134	/
	State4		Back Side	15	9400	1880.0	0.17	0.225	22.61	22.80	1.045	0.235	/
Hotspot													
Ant.1	State5&6	RMC	Front Side	10	9400	1880.0	-0.10	0.193	17.90	18.30	1.096	0.212	/
	State5&6		Back Side	10	9400	1880.0	0.05	0.253	17.90	18.30	1.096	0.277	/
	State5&6		Right Edge	10	9400	1880.0	0.04	0.070	17.90	18.30	1.096	0.077	/
	State5&6		Top Edge	10	9400	1880.0	0.03	0.352	17.90	18.30	1.096	0.386	/
Ant.0	State5&6	RMC	Front Side	10	9400	1880.0	-0.14	0.116	20.19	20.30	1.026	0.119	/
	State5&6		Back Side	10	9400	1880.0	0.16	0.250	20.19	20.30	1.026	0.256	/
	State5&6		Left Edge	10	9400	1880.0	0.19	0.077	20.19	20.30	1.026	0.079	/
	State5&6		Right Edge	10	9400	1880.0	0.07	0.040	20.19	20.30	1.026	0.041	/
	State5&6		Bottom Edge	10	9400	1880.0	-0.12	0.386	20.19	20.30	1.026	**0.396**	9#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1	RMC	Left Cheek	0	1513	1752.6	-0.17	0.485	17.84	18.30	1.112	0.539	/
	State1		Left Tilt	0	1513	1752.6	0.10	0.607	17.84	18.30	1.112	0.675	/
	State1		Right Cheek	0	1513	1752.6	-0.11	0.641	17.84	18.30	1.112	0.713	/
	State1		Right Tilt	0	1513	1752.6	0.05	0.887	17.84	18.30	1.112	**0.986**	10#
	State1			0	1312	1712.4	0.02	0.846	17.81	18.30	1.119	0.947	/
	State1			0	1412	1732.4	0.17	0.822	17.78	18.30	1.127	0.927	/
Ant.1	State2&3	RMC	Left Cheek	0	1513	1752.6	-0.19	0.393	16.74	17.30	1.138	0.447	/
	State2&3		Left Tilt	0	1513	1752.6	-0.13	0.470	16.74	17.30	1.138	0.535	/
	State2&3		Right Cheek	0	1513	1752.6	-0.09	0.508	16.74	17.30	1.138	0.578	/
	State2&3		Right Tilt	0	1513	1752.6	-0.13	0.697	16.74	17.30	1.138	0.793	/
Ant.0	State1&2&3	RMC	Left Cheek	0	1513	1752.6	0.03	0.127	23.42	23.80	1.091	0.139	/
	State1&2&3		Left Tilt	0	1513	1752.6	-0.13	0.054	23.42	23.80	1.091	0.059	/
	State1&2&3		Right Cheek	0	1513	1752.6	0.04	0.078	23.42	23.80	1.091	0.085	/
	State1&2&3		Right Tilt	0	1513	1752.6	-0.07	0.065	23.42	23.80	1.091	0.071	/
Body-worn Accessory													
Ant.1	State4	RMC	Front Side	15	1513	1752.6	-0.09	0.145	20.39	20.80	1.099	0.159	/
	State4		Back Side	15	1513	1752.6	0.08	0.197	20.39	20.80	1.099	0.217	/
Ant.0	State4	RMC	Front Side	15	1513	1752.6	0.15	0.152	21.45	21.80	1.084	0.165	/
	State4		Back Side	15	1513	1752.6	0.17	0.248	21.45	21.80	1.084	**0.269**	11#
Hotspot													
Ant.1	State5&6	RMC	Front Side	10	1513	1752.6	0.19	0.157	17.84	18.30	1.112	0.175	/
	State5&6		Back Side	10	1513	1752.6	-0.02	0.211	17.84	18.30	1.112	0.235	/
	State5&6		Right Edge	10	1513	1752.6	0.18	0.047	17.84	18.30	1.112	0.052	/
	State5&6		Top Edge	10	1513	1752.6	0.18	0.293	17.84	18.30	1.112	0.326	/
Ant.0	State5&6	RMC	Front Side	10	1513	1752.6	-0.13	0.134	18.93	19.30	1.089	0.146	/
	State5&6		Back Side	10	1513	1752.6	0.00	0.252	18.93	19.30	1.089	0.274	/
	State5&6		Left Edge	10	1513	1752.6	-0.05	0.051	18.93	19.30	1.089	0.056	/
	State5&6		Right Edge	10	1513	1752.6	0.03	0.035	18.93	19.30	1.089	0.038	/
	State5&6		Bottom Edge	10	1513	1752.6	0.02	0.421	18.93	19.30	1.089	**0.458**	12#
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1	RMC	Left Cheek	0	4132	826.4	-0.06	0.531	21.57	22.30	1.183	0.628	/
	State1		Left Tilt	0	4132	826.4	-0.14	0.493	21.57	22.30	1.183	0.583	/
	State1		Right Cheek	0	4132	826.4	-0.03	0.776	21.57	22.30	1.183	**0.918**	13#
	State1			0	4182	836.4	0.03	0.735	21.43	22.30	1.222	0.898	/
	State1			0	4233	846.6	-0.07	0.726	21.41	22.30	1.227	0.891	/
	State1		Right Tilt	0	4182	836.4	-0.14	0.494	21.57	22.30	1.183	0.584	/
Ant.1	State2&3	RMC	Left Cheek	0	4132	826.4	-0.08	0.417	20.47	21.30	1.211	0.505	/
	State2&3		Left Tilt	0	4132	826.4	-0.01	0.394	20.47	21.30	1.211	0.477	/
	State2&3		Right Cheek	0	4132	826.4	0.03	0.599	20.47	21.30	1.211	0.725	/
	State2&3		Right Tilt	0	4132	826.4	0.17	0.387	20.47	21.30	1.211	0.469	/
Ant.0	State1&2&3	RMC	Left Cheek	0	4132	826.4	0.14	0.175	24.19	24.80	1.151	0.201	/
	State1&2&3		Left Tilt	0	4132	826.4	0.05	0.097	24.19	24.80	1.151	0.112	/
	State1&2&3		Right Cheek	0	4132	826.4	0.16	0.145	24.19	24.80	1.151	0.167	/
	State1&2&3		Right Tilt	0	4132	826.4	0.12	0.083	24.19	24.80	1.151	0.096	/
Body-worn Accessory													
Ant.1	State4	RMC	Front Side	15	4132	826.4	0.14	0.139	24.05	24.80	1.189	0.165	/
	State4		Back Side	15	4132	826.4	-0.13	0.213	24.05	24.80	1.189	**0.253**	14#
Ant.0	State4	RMC	Front Side	15	4132	826.4	0.03	0.121	24.19	24.80	1.151	0.139	/
	State4		Back Side	15	4132	826.4	-0.15	0.165	24.19	24.80	1.151	0.190	/
Hotspot													
Ant.1	State5&6	RMC	Front Side	10	4132	826.4	0.04	0.242	23.03	23.80	1.194	0.289	/
	State5&6		Back Side	10	4132	826.4	-0.13	0.330	23.03	23.80	1.194	**0.394**	15#
	State5&6		Right Edge	10	4132	826.4	-0.03	0.132	23.03	23.80	1.194	0.158	/
	State5&6		Top Edge	10	4132	826.4	0.17	0.282	23.03	23.80	1.194	0.337	/
Ant.0	State5&6	RMC	Front Side	10	4132	826.4	0.11	0.132	22.14	22.80	1.164	0.154	/
	State5&6		Back Side	10	4132	826.4	-0.03	0.273	22.14	22.80	1.164	0.318	/
	State5&6		Left Edge	10	4132	826.4	-0.05	0.084	22.14	22.80	1.164	0.098	/
	State5&6		Right Edge	10	4132	826.4	-0.08	0.153	22.14	22.80	1.164	0.178	/
	State5&6		Bottom Edge	10	4132	826.4	0.16	0.183	22.14	22.80	1.164	0.213	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	18900	1880	1	Mid	-0.11	0.420	17.63	18.30	1.167	0.490	/
	State1				0	18900	1880	50	Mid	0.05	0.424	17.74	18.30	1.138	0.482	/
	State1			Left Tilt	0	18900	1880	1	Mid	0.19	0.525	17.63	18.30	1.167	0.613	/
	State1				0	18900	1880	50	Mid	-0.18	0.531	17.74	18.30	1.138	0.604	/
	State1			Right Cheek	0	18900	1880	1	Mid	-0.06	0.590	17.63	18.30	1.167	0.688	/
	State1				0	18900	1880	50	Mid	0.09	0.593	17.74	18.30	1.138	0.675	/
	State1			Right Tilt	0	18900	1880	1	Mid	0.07	0.759	17.63	18.30	1.167	0.886	/
	State1				0	18700	1860	1	Mid	0.01	0.745	17.57	18.30	1.183	0.881	/
	State1				0	19100	1900	1	Mid	-0.16	0.732	17.37	18.30	1.239	**0.907**	16#
	State1				0	18900	1880	50	Mid	0.09	0.762	17.74	18.30	1.138	0.867	/
	State1				0	18700	1860	50	Mid	0.02	0.749	17.59	18.30	1.178	0.882	/
	State1				0	19100	1900	50	Mid	-0.13	0.726	17.50	18.30	1.202	0.873	/
	State1				0	18900	1880	100	Low	-0.05	0.750	17.69	18.30	1.151	0.863	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	18900	1880	1	Mid	-0.10	0.342	16.71	17.30	1.146	0.392	/
	State2&3				0	18900	1880	50	Mid	0.14	0.345	16.76	17.30	1.132	0.391	/
	State2&3			Left Tilt	0	18900	1880	1	Mid	0.17	0.430	16.71	17.30	1.146	0.493	/
	State2&3				0	18900	1880	50	Mid	-0.19	0.433	16.76	17.30	1.132	0.490	/
	State2&3			Right Cheek	0	18900	1880	1	Mid	0.13	0.472	16.71	17.30	1.146	0.541	/
	State2&3				0	18900	1880	50	Mid	-0.19	0.479	16.76	17.30	1.132	0.542	/
	State2&3			Right Tilt	0	18900	1880	1	Mid	0.13	0.614	16.71	17.30	1.146	0.703	/
	State2&3				0	18900	1880	50	Mid	-0.07	0.619	16.76	17.30	1.132	0.701	/
Ant.0	State1&2&3	QPSK	SA	Left Cheek	0	19100	1900	1	Mid	-0.05	0.094	23.46	23.80	1.081	0.102	/
	State1&2&3				0	19100	1900	50	Mid	-0.19	0.075	22.46	22.80	1.081	0.081	/
	State1&2&3			Left Tilt	0	19100	1900	1	Mid	-0.13	0.057	23.46	23.80	1.081	0.062	/
	State1&2&3				0	19100	1900	50	Mid	0.00	0.046	22.46	22.80	1.081	0.050	/
	State1&2&3			Right Cheek	0	19100	1900	1	Mid	0.06	0.066	23.46	23.80	1.081	0.071	/
	State1&2&3				0	19100	1900	50	Mid	-0.12	0.053	22.46	22.80	1.081	0.057	/
	State1&2&3			Right Tilt	0	19100	1900	1	Mid	-0.18	0.069	23.46	23.80	1.081	0.075	/
	State1&2&3				0	19100	1900	50	Mid	0.04	0.054	22.46	22.80	1.081	0.058	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	18900	1880	1	Mid	-0.10	0.252	21.59	22.30	1.178	0.297	/
	State4				15	18900	1880	50	Mid	-0.10	0.254	21.72	22.30	1.143	0.290	/
	State4			Back Side	15	18900	1880	1	Mid	0.12	0.333	21.59	22.30	1.178	**0.392**	17#
	State4				15	18900	1880	50	Mid	0.04	0.312	21.72	22.30	1.143	0.357	/
Ant.0	State4	QPSK	SA	Front Side	15	18900	1880	1	Mid	-0.14	0.130	22.84	23.30	1.112	0.145	/
	State4				15	18900	1880	50	Mid	0.00	0.113	22.40	22.80	1.096	0.124	/

	State4			Back Side	15	18900	1880	1	Mid	0.03	0.278	22.84	23.30	1.112	0.309	/
	State4				15	18900	1880	50	Mid	-0.12	0.236	22.40	22.80	1.096	0.259	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	18900	1880	1	Mid	0.04	0.292	19.52	20.30	1.197	0.349	/
	State5&6				10	18900	1880	50	Mid	-0.08	0.294	19.66	20.30	1.159	0.341	/
	State5&6			Back Side	10	18900	1880	1	Mid	0.04	0.388	19.52	20.30	1.197	0.464	/
	State5&6				10	18900	1880	50	Mid	0.15	0.394	19.66	20.30	1.159	0.457	/
	State5&6			Right Edge	10	18900	1880	1	Mid	0.15	0.084	19.52	20.30	1.197	0.101	/
	State5&6				10	18900	1880	50	Mid	-0.12	0.087	19.66	20.30	1.159	0.101	/
	State5&6			Top Edge	10	18900	1880	1	Mid	-0.02	0.483	19.52	20.30	1.197	**0.578**	18#
	State5&6				10	18900	1880	50	Mid	-0.02	0.491	19.66	20.30	1.159	0.569	/
Ant.0	State5&6	QPSK	SA	Front Side	10	18900	1880	1	Mid	0.11	0.157	20.74	21.30	1.138	0.179	/
	State5&6				10	18900	1880	50	Mid	0.00	0.160	20.82	21.30	1.117	0.179	/
	State5&6			Back Side	10	18900	1880	1	Mid	-0.11	0.337	20.74	21.30	1.138	0.383	/
	State5&6				10	18900	1880	50	Mid	0.19	0.341	20.82	21.30	1.117	0.381	/
	State5&6			Left Edge	10	18900	1880	1	Mid	-0.14	0.095	20.74	21.30	1.138	0.108	/
	State5&6				10	18900	1880	50	Mid	-0.11	0.099	20.82	21.30	1.117	0.111	/
	State5&6			Right Edge	10	18900	1880	1	Mid	0.02	0.046	20.74	21.30	1.138	0.052	/
	State5&6				10	18900	1880	50	Mid	-0.10	0.048	20.82	21.30	1.117	0.054	/
	State5&6			Bottom Edge	10	18900	1880	1	Mid	-0.12	0.454	20.74	21.30	1.138	0.516	/
	State5&6				10	18900	1880	50	Mid	-0.05	0.461	20.82	21.30	1.117	0.515	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1&2&3	QPSK	SA	Left Cheek	0	20300	1745	1	Mid	0.03	0.577	17.28	17.80	1.127	0.650	/
	State1&2&3				0	20300	1745	50	Mid	-0.11	0.585	17.25	17.80	1.135	0.664	/
	State1&2&3			Left Tilt	0	20300	1745	1	Mid	0.00	0.640	17.28	17.80	1.127	0.721	/
	State1&2&3				0	20300	1745	50	Mid	0.19	0.647	17.25	17.80	1.135	0.734	/
	State1&2&3			Right Cheek	0	20300	1745	1	Mid	0.07	0.735	17.28	17.80	1.127	0.828	/
	State1&2&3				0	20050	1720	1	Mid	0.19	0.709	17.19	17.80	1.151	0.816	/
	State1&2&3				0	20175	1732.5	1	Mid	0.11	0.714	17.19	17.80	1.151	0.822	/
	State1&2&3				0	20300	1745	50	Mid	-0.12	0.742	17.25	17.80	1.135	0.842	/
	State1&2&3				0	20050	1720	50	Mid	-0.02	0.716	17.19	17.80	1.151	0.824	/
	State1&2&3				0	20175	1732.5	50	Mid	0.00	0.725	17.24	17.80	1.138	0.825	/
	State1&2&3				0	20300	1745	100	Low	0.12	0.738	17.23	17.80	1.140	0.842	/
	State1&2&3			Right Tilt	0	20300	1745	1	Mid	-0.13	0.859	17.28	17.80	1.127	0.968	/
	State1&2&3				0	20050	1720	1	Mid	-0.01	0.811	17.19	17.80	1.151	0.933	/
	State1&2&3				0	20175	1732.5	1	Mid	0.07	0.832	17.19	17.80	1.151	0.957	/
	State1&2&3				0	20300	1745	50	Mid	0.14	0.868	17.25	17.80	1.135	**0.985**	19#
	State1&2&3				0	20050	1720	50	Mid	0.19	0.820	17.19	17.80	1.151	0.944	/
	State1&2&3				0	20175	1732.5	50	Mid	-0.12	0.845	17.24	17.80	1.138	0.961	/
	State1&2&3				0	20300	1745	100	Low	-0.06	0.856	17.23	17.80	1.140	0.976	/
Ant.0	State1&2&3	QPSK	SA	Left Cheek	0	20300	1745	1	Mid	-0.10	0.107	23.45	23.80	1.084	0.116	/
	State1&2&3				0	20300	1745	50	Mid	0.09	0.087	22.47	22.80	1.079	0.094	/
	State1&2&3			Left Tilt	0	20300	1745	1	Mid	0.16	0.042	23.45	23.80	1.084	0.046	/
	State1&2&3				0	20300	1745	50	Mid	-0.10	0.034	22.47	22.80	1.079	0.037	/
	State1&2&3			Right Cheek	0	20300	1745	1	Mid	-0.17	0.069	23.45	23.80	1.084	0.075	/
	State1&2&3				0	20300	1745	50	Mid	-0.05	0.057	22.47	22.80	1.079	0.061	/
	State1&2&3			Right Tilt	0	20300	1745	1	Mid	-0.02	0.051	23.45	23.80	1.084	0.055	/
	State1&2&3				0	20300	1745	50	Mid	0.07	0.041	22.47	22.80	1.079	0.044	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	20300	1745	1	Mid	0.12	0.199	21.69	22.30	1.151	0.229	/
	State4				15	20300	1745	50	Mid	0.04	0.206	21.76	22.30	1.132	0.233	/
	State4			Back Side	15	20300	1745	1	Mid	0.08	0.231	21.69	22.30	1.151	0.266	/
	State4				15	20300	1745	50	Mid	0.02	0.239	21.76	22.30	1.132	0.271	/
Ant.0	State4	QPSK	SA	Front Side	15	20300	1745	1	Mid	-0.07	0.174	21.75	22.30	1.135	0.197	/
	State4				15	20300	1745	50	Mid	0.15	0.183	21.85	22.30	1.109	0.203	/
	State4			Back Side	15	20300	1745	1	Mid	0.13	0.240	21.75	22.30	1.135	0.272	/
	State4				15	20300	1745	50	Mid	0.01	0.246	21.85	22.30	1.109	**0.273**	20#
Hotspot																

Ant.1	State5&6	QPSK	SA	Front Side	10	20300	1745	1	Mid	-0.05	0.234	19.68	20.30	1.153	0.270	/
	State5&6				10	20300	1745	50	Mid	-0.11	0.239	19.79	20.30	1.125	0.269	/
	State5&6			Back Side	10	20300	1745	1	Mid	-0.12	0.313	19.68	20.30	1.153	0.361	/
	State5&6				10	20300	1745	50	Mid	0.05	0.319	19.79	20.30	1.125	0.359	/
	State5&6			Right Edge	10	20300	1745	1	Mid	-0.09	0.058	19.68	20.30	1.153	0.067	/
	State5&6				10	20300	1745	50	Mid	-0.14	0.062	19.79	20.30	1.125	0.070	/
	State5&6			Top Edge	10	20300	1745	1	Mid	-0.12	0.405	19.68	20.30	1.153	0.467	/
	State5&6				10	20300	1745	50	Mid	-0.04	0.411	19.79	20.30	1.125	0.462	/
Ant.0	State5&6	QPSK	SA	Front Side	10	20300	1745	1	Mid	-0.13	0.171	19.72	20.30	1.143	0.195	/
	State5&6				10	20300	1745	50	Mid	-0.05	0.177	19.79	20.30	1.125	0.199	/
	State5&6			Back Side	10	20300	1745	1	Mid	0.06	0.298	19.72	20.30	1.143	0.341	/
	State5&6				10	20300	1745	50	Mid	-0.08	0.303	19.79	20.30	1.125	0.341	/
	State5&6			Left Edge	10	20300	1745	1	Mid	-0.17	0.069	19.72	20.30	1.143	0.079	/
	State5&6				10	20300	1745	50	Mid	0.11	0.072	19.79	20.30	1.125	0.081	/
	State5&6			Right Edge	10	20300	1745	1	Mid	-0.02	0.042	19.72	20.30	1.143	0.048	/
	State5&6				10	20300	1745	50	Mid	0.06	0.045	19.79	20.30	1.125	0.051	/
	State5&6			Bottom Edge	10	20300	1745	1	Mid	-0.11	0.443	19.72	20.30	1.143	0.506	/
	State5&6				10	20300	1745	50	Mid	0.09	0.467	19.79	20.30	1.125	**0.525**	21#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.8 LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	20525	836.5	1	High	0.08	0.464	21.68	22.80	1.294	0.601	/
	State1				0	20525	836.5	25	High	-0.14	0.480	21.65	22.80	1.303	0.626	/
	State1			Left Tilt	0	20525	836.5	1	High	0.01	0.367	21.68	22.80	1.294	0.475	/
	State1				0	20525	836.5	25	High	-0.16	0.374	21.65	22.80	1.303	0.487	/
	State1			Right Cheek	0	20525	836.5	1	High	0.13	0.642	21.68	22.80	1.294	0.831	/
	State1				0	20525	836.5	25	High	-0.15	0.662	21.65	22.80	1.303	**0.863**	22#
	State1			Right Tilt	0	20525	836.5	1	High	-0.12	0.490	21.68	22.80	1.294	0.634	/
	State1				0	20525	836.5	25	High	0.08	0.507	21.65	22.80	1.303	0.661	/
Ant.1	State1	QPSK	NSA	Left Cheek	0	20525	836.5	1	High	0.03	0.202	18.25	19.30	1.274	0.257	/
	State1				0	20525	836.5	25	High	0.08	0.214	18.22	19.30	1.282	0.274	/
	State1			Left Tilt	0	20525	836.5	1	High	0.09	0.166	18.25	19.30	1.274	0.211	/
	State1				0	20525	836.5	25	High	0.06	0.170	18.22	19.30	1.282	0.218	/
	State1			Right Cheek	0	20525	836.5	1	High	0.00	0.284	18.25	19.30	1.274	0.362	/
	State1				0	20525	836.5	25	High	-0.02	0.290	18.22	19.30	1.282	0.372	/
	State1			Right Tilt	0	20525	836.5	1	High	-0.07	0.214	18.25	19.30	1.274	0.273	/
	State1				0	20525	836.5	25	High	-0.11	0.235	18.22	19.30	1.282	0.301	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	20525	836.5	1	High	0.18	0.369	20.64	21.80	1.306	0.482	/
	State2&3				0	20525	836.5	25	High	0.16	0.372	20.64	21.80	1.306	0.486	/
	State2&3			Left Tilt	0	20525	836.5	1	High	0.11	0.292	20.64	21.80	1.306	0.381	/
	State2&3				0	20525	836.5	25	High	-0.16	0.305	20.64	21.80	1.306	0.398	/
	State2&3			Right Cheek	0	20525	836.5	1	High	0.02	0.516	20.64	21.80	1.306	0.674	/
	State2&3				0	20525	836.5	1	High	-0.15	0.521	20.64	21.80	1.306	0.681	/
	State2&3			Right Tilt	0	20525	836.5	1	High	-0.12	0.380	20.64	21.80	1.306	0.496	/
	State2&3				0	20525	836.5	25	High	-0.16	0.391	20.64	21.80	1.306	0.511	/
Ant.1	State2&3	QPSK	NSA	Left Cheek	0	20450	836.5	1	Mid	-0.09	0.151	16.65	17.80	1.303	0.197	/
	State2&3				0	20450	836.5	25	Mid	0.13	0.157	16.71	17.80	1.285	0.202	/
	State2&3			Left Tilt	0	20450	836.5	1	Mid	0.04	0.117	16.65	17.80	1.303	0.152	/
	State2&3				0	20450	836.5	25	Mid	0.18	0.124	16.71	17.80	1.285	0.159	/
	State2&3			Right Cheek	0	20450	836.5	1	Mid	-0.17	0.204	16.65	17.80	1.303	0.266	/
	State2&3				0	20450	836.5	1	Mid	0.15	0.215	16.71	17.80	1.285	0.276	/
	State2&3			Right Tilt	0	20450	836.5	1	Mid	-0.16	0.152	16.65	17.80	1.303	0.198	/
	State2&3				0	20450	836.5	25	Mid	0.05	0.160	16.71	17.80	1.285	0.206	/
Ant.0	State1&2&3	QPSK	SA & NSA	Left Cheek	0	20525	836.5	1	High	-0.12	0.164	23.86	24.80	1.242	0.204	/
	State1&2&3				0	20525	836.5	25	High	-0.04	0.130	22.85	23.80	1.245	0.162	/
	State1&2&3			Left Tilt	0	20525	836.5	1	High	0.07	0.092	23.86	24.80	1.242	0.114	/
	State1&2&3				0	20525	836.5	25	High	0.15	0.072	22.85	23.80	1.245	0.090	/

	State1&2&3			Right Cheek	0	20525	836.5	1	High	0.10	0.138	23.86	24.80	1.242	0.171	/
	State1&2&3				0	20525	836.5	25	High	-0.19	0.111	22.85	23.80	1.245	0.138	/
	State1&2&3			Right Tilt	0	20525	836.5	1	High	0.15	0.073	23.86	24.80	1.242	0.091	/
	State1&2&3				0	20525	836.5	25	High	-0.06	0.060	22.85	23.80	1.245	0.075	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	20525	836.5	1	High	-0.17	0.122	23.63	24.80	1.309	0.160	/
	State4				15	20525	836.5	25	High	0.05	0.100	22.65	23.80	1.303	0.130	/
	State4			Back Side	15	20525	836.5	1	High	-0.10	0.144	23.63	24.80	1.309	0.189	/
	State4				15	20525	836.5	25	High	0.07	0.114	22.65	23.80	1.303	0.149	/
Ant.1	State4	QPSK	NSA	Front Side	15	20525	836.5	1	High	0.10	0.059	20.64	21.80	1.306	0.077	/
	State4				15	20525	836.5	25	High	0.07	0.064	20.64	21.80	1.306	0.084	/
	State4			Back Side	15	20525	836.5	1	High	0.00	0.073	20.64	21.80	1.306	0.095	/
	State4				15	20525	836.5	25	High	0.05	0.079	20.64	21.80	1.306	0.103	/
Ant.0	State4	QPSK	SA & NSA	Front Side	15	20525	836.5	1	High	-0.16	0.114	23.86	24.80	1.242	0.142	/
	State4				15	20525	836.5	25	High	0.04	0.092	22.85	23.80	1.245	0.114	/
	State4			Back Side	15	20525	836.5	1	High	0.00	0.156	23.86	24.80	1.242	**0.194**	23#
	State4				15	20525	836.5	25	High	0.02	0.120	22.85	23.80	1.245	0.149	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	20525	836.5	1	High	0.06	0.220	23.63	24.80	1.309	0.288	/
	State5&6				10	20525	836.5	25	High	-0.08	0.173	22.65	23.80	1.303	0.225	/
	State5&6			Back Side	10	20525	836.5	1	High	-0.07	0.323	23.63	24.80	1.309	**0.423**	24#
	State5&6				10	20525	836.5	25	High	0.14	0.260	22.65	23.80	1.303	0.339	/
	State5&6			Right Edge	10	20525	836.5	1	High	0.09	0.118	23.63	24.80	1.309	0.154	/
	State5&6				10	20525	836.5	25	High	-0.14	0.094	22.65	23.80	1.303	0.122	/
	State5&6			Top Edge	10	20525	836.5	1	High	0.02	0.236	23.63	24.80	1.309	0.309	/
	State5&6				10	20525	836.5	25	High	-0.10	0.187	22.65	23.80	1.303	0.244	/
Ant.1	State5&6	QPSK	NSA	Front Side	10	20525	836.5	1	High	0.01	0.088	19.28	20.30	1.265	0.111	/
	State5&6				10	20525	836.5	25	Mid	0.16	0.094	19.17	20.30	1.297	0.122	/
	State5&6			Back Side	10	20525	836.5	1	High	0.19	0.128	19.28	20.30	1.265	0.162	/
	State5&6				10	20525	836.5	25	Mid	0.01	0.134	19.17	20.30	1.297	0.174	/
	State5&6			Right Edge	10	20525	836.5	1	High	0.09	0.047	19.28	20.30	1.265	0.059	/
	State5&6				10	20525	836.5	25	Mid	-0.14	0.052	19.17	20.30	1.297	0.067	/
	State5&6			Top Edge	10	20525	836.5	1	High	-0.04	0.096	19.28	20.30	1.265	0.121	/
	State5&6				10	20525	836.5	25	Mid	0.13	0.103	19.17	20.30	1.297	0.134	/
Ant.0	State5&6	QPSK	SA & NSA	Front Side	10	20525	836.5	1	High	-0.02	0.131	23.86	24.80	1.242	0.163	/
	State5&6				10	20525	836.5	25	High	-0.14	0.105	22.85	23.80	1.245	0.131	/
	State5&6			Back Side	10	20525	836.5	1	High	0.06	0.262	23.86	24.80	1.242	0.325	/
	State5&6				10	20525	836.5	25	High	0.07	0.207	22.85	23.80	1.245	0.258	/
	State5&6			Left Edge	10	20525	836.5	1	High	-0.14	0.088	23.86	24.80	1.242	0.109	/
	State5&6				10	20525	836.5	25	High	0.10	0.070	22.85	23.80	1.245	0.087	/
	State5&6			Right Edge	10	20525	836.5	1	High	-0.08	0.139	23.86	24.80	1.242	0.173	/
	State5&6				10	20525	836.5	25	High	-0.05	0.112	22.85	23.80	1.245	0.139	/
	State5&6			Bottom Edge	10	20525	836.5	1	High	0.04	0.216	23.86	24.80	1.242	0.268	/

	State5&6				10	20525	836.5	25	High	-0.07	0.173	22.85	23.80	1.245	0.215	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	20850	2510	1	Mid	0.06	0.287	17.57	17.80	1.054	0.303	/
	State1				0	20850	2510	50	Mid	-0.13	0.296	17.64	17.80	1.038	0.307	/
	State1			Left Tilt	0	20850	2510	1	Mid	-0.01	0.316	17.57	17.80	1.054	0.333	/
	State1				0	20850	2510	50	Mid	0.05	0.321	17.64	17.80	1.038	0.333	/
	State1			Right Cheek	0	20850	2510	1	Mid	-0.12	0.650	17.57	17.80	1.054	0.685	/
	State1				0	20850	2510	50	Mid	-0.02	0.658	17.64	17.80	1.038	0.683	/
	State1			Right Tilt	0	20850	2510	1	Mid	-0.19	0.588	17.57	17.80	1.054	0.620	/
	State1				0	20850	2510	50	Mid	-0.07	0.591	17.64	17.80	1.038	0.613	/
Ant.1	State1	QPSK	NSA	Left Cheek	0	21100	2535	1	Mid	-0.01	0.166	15.10	15.30	1.047	0.174	/
	State1				0	21100	2535	50	Mid	0.08	0.169	15.16	15.30	1.033	0.175	/
	State1			Left Tilt	0	21100	2535	1	Mid	-0.17	0.185	15.10	15.30	1.047	0.194	/
	State1				0	21100	2535	50	Mid	0.16	0.192	15.16	15.30	1.033	0.198	/
	State1			Right Cheek	0	21100	2535	1	Mid	0.02	0.362	15.10	15.30	1.047	0.379	/
	State1				0	21100	2535	50	Mid	0.02	0.378	15.16	15.30	1.033	0.390	/
	State1			Right Tilt	0	21100	2535	1	Mid	0.05	0.332	15.10	15.30	1.047	0.348	/
	State1				0	21100	2535	50	Mid	-0.05	0.340	15.16	15.30	1.033	0.351	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	20850	2510	1	Mid	0.06	0.236	16.60	16.80	1.047	0.247	/
	State2&3				0	20850	2510	50	Mid	0.09	0.239	16.64	16.80	1.038	0.248	/
	State2&3			Left Tilt	0	20850	2510	1	Mid	-0.05	0.252	16.60	16.80	1.047	0.264	/
	State2&3				0	20850	2510	50	Mid	-0.19	0.256	16.64	16.80	1.038	0.266	/
	State2&3			Right Cheek	0	20850	2510	1	Mid	0.15	0.513	16.60	16.80	1.047	0.537	/
	State2&3				0	20850	2510	50	Mid	-0.13	0.527	16.64	16.80	1.038	0.547	/
	State2&3			Right Tilt	0	20850	2510	1	Mid	0.16	0.473	16.60	16.80	1.047	0.495	/
	State2&3				0	20850	2510	50	Mid	-0.08	0.481	16.64	16.80	1.038	0.499	/
Ant.1	State2&3	QPSK	NSA	Left Cheek	0	20850	2510	1	Mid	0.13	0.117	13.59	13.80	1.050	0.123	/
	State2&3				0	20850	2510	50	Mid	0.17	0.124	13.63	13.80	1.040	0.129	/
	State2&3			Left Tilt	0	20850	2510	1	Mid	0.13	0.124	13.59	13.80	1.050	0.130	/
	State2&3				0	20850	2510	50	Mid	-0.07	0.131	13.63	13.80	1.040	0.136	/
	State2&3			Right Cheek	0	20850	2510	1	Mid	0.08	0.255	13.59	13.80	1.050	0.268	/
	State2&3				0	20850	2510	50	Mid	0.06	0.265	13.63	13.80	1.040	0.276	/
	State2&3			Right Tilt	0	20850	2510	1	Mid	-0.03	0.229	13.59	13.80	1.050	0.240	/
	State2&3				0	20850	2510	50	Mid	0.19	0.237	13.63	13.80	1.040	0.246	/
Ant.0	State1&2&3	QPSK	SA	Left Cheek	0	20850	2510	1	Mid	-0.12	0.114	24.30	24.30	1.000	0.114	/

	State1&2&3		&		0	20850	2510	50	Mid	0.03	0.092	23.28	23.30	1.005	0.092	/
	State1&2&3		NSA	Left Tilt	0	20850	2510	1	Mid	-0.01	0.071	24.30	24.30	1.000	0.071	/
	State1&2&3				0	20850	2510	50	Mid	0.16	0.058	23.28	23.30	1.005	0.058	/
	State1&2&3			Right Cheek	0	20850	2510	1	Mid	-0.01	0.228	24.30	24.30	1.000	0.228	/
	State1&2&3				0	20850	2510	50	Mid	-0.01	0.184	23.28	23.30	1.005	0.185	/
	State1&2&3			Right Tilt	0	20850	2510	1	Mid	0.07	0.096	24.30	24.30	1.000	0.096	/
	State1&2&3				0	20850	2510	50	Mid	-0.17	0.077	23.28	23.30	1.005	0.077	/
Ant.4	State1	QPSK	SA	Left Cheek	0	21100	2535	1	Mid	-0.18	0.373	20.36	21.00	1.159	0.432	/
	State1				0	21100	2535	50	Mid	-0.14	0.380	20.40	21.00	1.148	0.436	/
	State1			Left Tilt	0	21100	2535	1	Mid	-0.10	0.157	20.36	21.00	1.159	0.182	/
	State1				0	21100	2535	50	Mid	0.15	0.159	20.40	21.00	1.148	0.183	/
	State1			Right Cheek	0	21100	2535	1	Mid	-0.19	0.642	20.36	21.00	1.159	0.744	/
	State1				0	21100	2535	50	Mid	0.08	0.656	20.40	21.00	1.148	**0.753**	25#
	State1			Right Tilt	0	21100	2535	1	Mid	0.10	0.307	20.36	21.00	1.159	0.356	/
	State1				0	21100	2535	50	Mid	-0.02	0.312	20.40	21.00	1.148	0.358	/
Ant.4	State1	QPSK	NSA	Left Cheek	0	21100	2535	1	Mid	0.06	0.300	19.41	19.80	1.094	0.328	/
	State1				0	21100	2535	50	Mid	-0.08	0.307	19.35	19.80	1.109	0.341	/
	State1			Left Tilt	0	21100	2535	1	Mid	-0.07	0.129	19.41	19.80	1.094	0.141	/
	State1				0	21100	2535	50	Mid	-0.11	0.133	19.35	19.80	1.109	0.148	/
	State1			Right Cheek	0	21100	2535	1	Mid	-0.06	0.529	19.41	19.80	1.094	0.579	/
	State1				0	21100	2535	50	Mid	0.17	0.535	19.35	19.80	1.109	0.593	/
	State1			Right Tilt	0	21100	2535	1	Mid	0.17	0.252	19.41	19.80	1.094	0.276	/
	State1				0	21100	2535	50	Mid	0.19	0.259	19.35	19.80	1.109	0.287	/
Ant.4	State2&3	QPSK	SA	Left Cheek	0	21100	2535	1	Mid	0.06	0.300	19.41	20.00	1.146	0.344	/
	State2&3				0	21100	2535	50	Mid	-0.08	0.307	19.35	20.00	1.161	0.357	/
	State2&3			Left Tilt	0	21100	2535	1	Mid	-0.07	0.129	19.41	20.00	1.146	0.148	/
	State2&3				0	21100	2535	50	Mid	-0.11	0.133	19.35	20.00	1.161	0.154	/
	State2&3			Right Cheek	0	21100	2535	1	Mid	-0.06	0.529	19.41	20.00	1.146	0.606	/
	State2&3				0	21100	2535	50	Mid	0.17	0.535	19.35	20.00	1.161	0.621	/
	State2&3			Right Tilt	0	21100	2535	1	Mid	0.17	0.252	19.41	20.00	1.146	0.289	/
	State2&3				0	21100	2535	50	Mid	0.19	0.259	19.35	20.00	1.161	0.301	/
Ant.4	State2&3	QPSK	NSA	Left Cheek	0	20850	2510	1	Mid	0.13	0.220	17.93	18.30	1.089	0.240	/
	State2&3				0	20850	2510	50	Mid	-0.14	0.229	17.99	18.30	1.074	0.246	/
	State2&3			Left Tilt	0	20850	2510	1	Mid	-0.15	0.091	17.93	18.30	1.089	0.099	/
	State2&3				0	20850	2510	50	Mid	0.00	0.098	17.99	18.30	1.074	0.105	/
	State2&3			Right Cheek	0	20850	2510	1	Mid	0.08	0.385	17.93	18.30	1.089	0.419	/
	State2&3				0	20850	2510	50	Mid	0.17	0.396	17.99	18.30	1.074	0.425	/
	State2&3			Right Tilt	0	20850	2510	1	Mid	-0.04	0.175	17.93	18.30	1.089	0.191	/
	State2&3				0	20850	2510	50	Mid	-0.09	0.180	17.99	18.30	1.074	0.193	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	20850	2510	1	Mid	-0.08	0.198	21.57	21.80	1.054	0.209	/
	State4				15	20850	2510	50	Mid	0.10	0.201	21.60	21.80	1.047	0.210	/
	State4			Back Side	15	20850	2510	1	Mid	-0.16	0.210	21.57	21.80	1.054	0.221	/

	State4				15	20850	2510	50	Mid	0.18	0.214	21.60	21.80	1.047	0.224	/
Ant.1	State4	QPSK	NSA	Front Side	15	21100	2535	1	Mid	-0.04	0.089	18.16	18.30	1.033	0.092	/
	State4				15	21100	2535	50	Mid	0.06	0.092	18.14	18.30	1.038	0.095	/
	State4			Back Side	15	21100	2535	1	Mid	0.15	0.094	18.16	18.30	1.033	0.097	/
	State4				15	21100	2535	50	Mid	-0.16	0.099	18.14	18.30	1.038	0.103	/
Ant.0	State4	QPSK	SA	Front Side	15	20850	2510	1	Mid	-0.10	0.193	22.69	22.80	1.026	0.198	/
	State4				15	20850	2510	50	Mid	-0.06	0.196	22.75	22.80	1.012	0.198	/
	State4			Back Side	15	20850	2510	1	Mid	0.01	0.251	22.69	22.80	1.026	0.257	/
	State4				15	20850	2510	50	Mid	-0.08	0.250	22.75	22.80	1.012	0.253	/
Ant.0	State4	QPSK	NSA	Front Side	15	21100	2535	1	Mid	0.04	0.089	19.29	19.30	1.002	0.089	/
	State4				15	21100	2535	50	Mid	-0.13	0.094	19.21	19.30	1.021	0.096	/
	State4			Back Side	15	21100	2535	1	Mid	0.01	0.116	19.29	19.30	1.002	0.116	/
	State4				15	21100	2535	50	Mid	-0.19	0.122	19.21	19.30	1.021	0.125	/
Ant.4	State4	QPSK	SA	Front Side	15	20850	2510	1	Mid	0.06	0.107	19.89	20.50	1.151	0.123	/
	State4				15	20850	2510	50	Mid	-0.09	0.109	19.90	20.50	1.148	0.125	/
	State4			Back Side	15	20850	2510	1	Mid	-0.15	0.289	19.89	20.50	1.151	0.333	/
	State4				15	20850	2510	50	Mid	-0.19	0.301	19.90	20.50	1.148	**0.346**	26#
Ant.4	State4	QPSK	NSA	Front Side	15	20850	2510	1	Mid	-0.01	0.055	16.96	17.30	1.081	0.059	/
	State4				15	20850	2510	50	Mid	0.09	0.059	16.96	17.30	1.081	0.064	/
	State4			Back Side	15	20850	2510	1	Mid	-0.07	0.143	16.96	17.30	1.081	0.155	/
	State4				15	20850	2510	50	Mid	-0.19	0.153	16.96	17.30	1.081	0.165	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	20850	2510	1	Mid	0.19	0.233	19.52	19.80	1.067	0.249	/
	State5&6				10	20850	2510	50	Mid	-0.12	0.237	19.58	19.80	1.052	0.249	/
	State5&6			Back Side	10	20850	2510	1	Mid	0.00	0.252	19.52	19.80	1.067	0.269	/
	State5&6				10	20850	2510	50	Mid	-0.10	0.260	19.58	19.80	1.052	0.274	/
	State5&6			Right Edge	10	20850	2510	1	Mid	0.05	0.300	19.52	19.80	1.067	0.320	/
	State5&6				10	20850	2510	50	Mid	0.15	0.306	19.58	19.80	1.052	0.322	/
	State5&6			Top Edge	10	20850	2510	1	Mid	-0.06	0.242	19.52	19.80	1.067	0.258	/
	State5&6				10	20850	2510	50	Mid	-0.10	0.253	19.58	19.80	1.052	0.266	/
Ant.1	State5&6	QPSK	NSA	Front Side	10	20850	2510	1	Mid	0.07	0.116	16.60	16.80	1.047	0.121	/
	State5&6				10	20850	2510	50	Mid	0.16	0.122	16.64	16.80	1.038	0.127	/
	State5&6			Back Side	10	20850	2510	1	Mid	-0.06	0.131	16.60	16.80	1.047	0.137	/
	State5&6				10	20850	2510	50	Mid	0.03	0.134	16.64	16.80	1.038	0.139	/
	State5&6			Right Edge	10	20850	2510	1	Mid	-0.01	0.155	16.60	16.80	1.047	0.162	/
	State5&6				10	20850	2510	50	Mid	-0.11	0.162	16.64	16.80	1.038	0.168	/
	State5&6			Top Edge	10	20850	2510	1	Mid	-0.11	0.128	16.60	16.80	1.047	0.134	/
	State5&6				10	20850	2510	50	Mid	-0.05	0.132	16.64	16.80	1.038	0.137	/
Ant.0	State5&6	QPSK	SA	Front Side	10	20850	2510	1	Mid	0.00	0.211	20.65	20.80	1.035	0.218	/
	State5&6				10	20850	2510	50	Mid	-0.05	0.214	20.74	20.80	1.014	0.217	/
	State5&6			Back Side	10	20850	2510	1	Mid	0.15	0.268	20.65	20.80	1.035	0.277	/
	State5&6				10	20850	2510	50	Mid	-0.12	0.272	20.74	20.80	1.014	0.276	/
	State5&6			Left Edge	10	20850	2510	1	Mid	-0.11	0.178	20.65	20.80	1.035	0.184	/

	State5&6				10	20850	2510	50	Mid	-0.10	0.185	20.74	20.80	1.014	0.188	/
	State5&6			Right Edge	10	20850	2510	1	Mid	-0.15	0.028	20.65	20.80	1.035	0.029	/
	State5&6				10	20850	2510	50	Mid	-0.05	0.030	20.74	20.80	1.014	0.030	/
	State5&6			Bottom Edge	10	20850	2510	1	Mid	-0.11	0.177	20.65	20.80	1.035	0.183	/
	State5&6				10	20850	2510	50	Mid	-0.09	0.186	20.74	20.80	1.014	0.189	/
Ant.0	State5&6	QPSK	NSA	Front Side	10	20850	2510	1	Mid	-0.13	0.103	17.76	17.80	1.009	0.104	/
	State5&6				10	20850	2510	50	Mid	-0.15	0.108	17.79	17.80	1.002	0.108	/
	State5&6			Back Side	10	20850	2510	1	Mid	-0.01	0.130	17.76	17.80	1.009	0.131	/
	State5&6				10	20850	2510	50	Mid	0.11	0.136	17.79	17.80	1.002	0.136	/
	State5&6			Left Edge	10	20850	2510	1	Mid	-0.04	0.088	17.76	17.80	1.009	0.089	/
	State5&6				10	20850	2510	50	Mid	0.13	0.094	17.79	17.80	1.002	0.094	/
	State5&6			Right Edge	10	20850	2510	1	Mid	0.06	0.014	17.76	17.80	1.009	0.014	/
	State5&6				10	20850	2510	50	Mid	-0.16	0.015	17.79	17.80	1.002	0.015	/
	State5&6			Top Edge	10	20850	2510	1	Mid	0.03	0.090	17.76	17.80	1.009	0.091	/
	State5&6				10	20850	2510	50	Mid	-0.12	0.094	17.79	17.80	1.002	0.094	/
Ant.4	State5&6	QPSK	SA	Front Side	10	20850	2510	1	Mid	-0.14	0.114	17.93	18.50	1.140	0.130	/
	State5&6				10	20850	2510	50	Mid	0.10	0.123	17.99	18.50	1.125	0.138	/
	State5&6			Back Side	10	20850	2510	1	Mid	-0.14	0.435	17.93	18.50	1.140	0.496	/
	State5&6				10	20850	2510	50	Mid	0.10	0.443	17.99	18.50	1.125	**0.498**	27#
	State5&6			Right Edge	10	20850	2510	1	Mid	-0.14	0.238	17.93	18.50	1.140	0.271	/
	State5&6				10	20850	2510	50	Mid	0.10	0.227	17.99	18.50	1.125	0.255	/
	State5&6			Bottom Edge	10	20850	2510	1	Mid	-0.14	0.067	17.93	18.50	1.140	0.076	/
	State5&6				10	20850	2510	50	Mid	0.10	0.065	17.99	18.50	1.125	0.073	/
Ant.4	State5&6	QPSK	NSA	Front Side	10	20850	2510	1	Mid	-0.18	0.065	15.38	15.80	1.102	0.072	/
	State5&6				10	20850	2510	50	Mid	0.12	0.071	15.32	15.80	1.117	0.079	/
	State5&6			Back Side	10	20850	2510	1	Mid	-0.07	0.252	15.38	15.80	1.102	0.278	/
	State5&6				10	20850	2510	50	Mid	0.00	0.263	15.32	15.80	1.117	0.294	/
	State5&6			Right Edge	10	20850	2510	1	Mid	-0.04	0.137	15.38	15.80	1.102	0.151	/
	State5&6				10	20850	2510	50	Mid	0.15	0.142	15.32	15.80	1.117	0.159	/
	State5&6			Top Edge	10	20850	2510	1	Mid	-0.01	0.037	15.38	15.80	1.102	0.041	/
	State5&6				10	20850	2510	50	Mid	0.06	0.039	15.32	15.80	1.117	0.044	/

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

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Right Cheek	0	20850 +21048	2510 +2529.8	1+1	High +Low	0.07	0.628	17.28	17.80	1.127	0.708	/
Body-worn Accessory																
Ant.0	State4	QPSK	SA	Back Side	15	20850 +21048	2510 +2529.8	1+1	High +Low	0.07	0.219	22.37	22.80	1.104	0.242	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Back Side	10	20850 +21048	2510 +2529.8	1+1	High +Low	0.04	0.245	19.13	19.80	1.167	0.286	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.11 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	23095	Mid	1	Mid	0.09	0.425	22.59	23.80	1.321	0.562	/
	State1				0	23095	Mid	25	Mid	0.01	0.432	22.62	23.80	1.312	0.567	/
	State1			Left Tilt	0	23095	Mid	1	Mid	0.00	0.402	22.59	23.80	1.321	0.531	/
	State1				0	23095	Mid	25	Mid	-0.10	0.411	22.62	23.80	1.312	0.539	/
	State1			Right Cheek	0	23095	Mid	1	Mid	-0.12	0.509	22.59	23.80	1.321	0.673	/
	State1				0	23095	Mid	25	Mid	0.19	0.515	22.62	23.80	1.312	**0.676**	28#
	State1			Right Tilt	0	23095	Mid	1	Mid	-0.09	0.401	22.59	23.80	1.321	0.530	/
	State1				0	23095	Mid	25	Mid	-0.01	0.408	22.62	23.80	1.312	0.535	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	23095	Mid	1	Mid	0.10	0.340	21.64	22.80	1.306	0.444	/
	State2&3				0	23095	Mid	25	Mid	0.15	0.355	21.67	22.80	1.297	0.460	/
	State2&3			Left Tilt	0	23095	Mid	1	Mid	-0.12	0.315	21.64	22.80	1.306	0.411	/
	State2&3				0	23095	Mid	25	Mid	0.09	0.333	21.67	22.80	1.297	0.432	/
	State2&3			Right Cheek	0	23095	Mid	1	Mid	-0.08	0.418	21.64	22.80	1.306	0.546	/
	State2&3				0	23095	Mid	25	Mid	-0.15	0.410	21.67	22.80	1.297	0.532	/
	State2&3			Right Tilt	0	23095	Mid	1	Mid	-0.19	0.311	21.64	22.80	1.306	0.406	/
	State2&3				0	23095	Mid	25	Mid	0.16	0.319	21.67	22.80	1.297	0.414	/
Ant.0	State1&2&3	QPSK	SA	Left Cheek	0	23060	704	1	High	0.00	0.105	23.78	24.80	1.265	0.133	/
	State1&2&3				0	23060	704	25	High	-0.01	0.086	22.74	23.80	1.276	0.110	/
	State1&2&3			Left Tilt	0	23060	704	1	High	-0.02	0.049	23.78	24.80	1.265	0.062	/
	State1&2&3				0	23060	704	25	High	0.06	0.040	22.74	23.80	1.276	0.051	/
	State1&2&3			Right Cheek	0	23060	704	1	High	-0.02	0.085	23.78	24.80	1.265	0.108	/
	State1&2&3				0	23060	704	25	High	-0.02	0.068	22.74	23.80	1.276	0.087	/
	State1&2&3			Right Tilt	0	23060	704	1	High	0.13	0.042	23.78	24.80	1.265	0.053	/
	State1&2&3				0	23060	704	25	High	-0.10	0.033	22.74	23.80	1.276	0.042	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	23060	704	1	High	0.06	0.157	23.59	24.80	1.321	0.207	/
	State4				15	23060	704	25	Mid	-0.05	0.127	22.58	23.80	1.324	0.168	/
	State4			Back Side	15	23060	704	1	High	-0.04	0.254	23.59	24.80	1.321	**0.336**	29#
	State4				15	23060	704	25	Mid	-0.10	0.209	22.58	23.80	1.324	0.277	/
Ant.0	State4	QPSK	SA	Front Side	15	23060	704	1	High	-0.17	0.101	23.78	24.80	1.265	0.128	/
	State4				15	23060	704	25	High	0.15	0.080	22.74	23.80	1.276	0.102	/
	State4			Back Side	15	23060	704	1	High	-0.02	0.158	23.78	24.80	1.265	0.200	/
	State4				15	23060	704	25	High	0.18	0.129	22.74	23.80	1.276	0.165	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	23060	704	1	High	-0.07	0.141	23.59	24.80	1.321	0.186	/
	State5&6				10	23060	704	25	Mid	-0.17	0.116	22.58	23.80	1.324	0.154	/

	State5&6			Back Side	10	23060	704	1	High	-0.05	0.192	23.59	24.80	1.321	0.254	/
	State5&6				10	23060	704	25	Mid	-0.14	0.155	22.58	23.80	1.324	0.205	/
	State5&6			Right Edge	10	23060	704	1	High	-0.17	0.202	23.59	24.80	1.321	**0.267**	30#
	State5&6				10	23060	704	25	Mid	0.08	0.161	22.58	23.80	1.324	0.213	/
	State5&6			Top Edge	10	23060	704	1	High	-0.14	0.118	23.59	24.80	1.321	0.156	/
	State5&6				10	23060	704	25	Mid	-0.08	0.096	22.58	23.80	1.324	0.127	/
Ant.0	State5&6	QPSK	SA	Front Side	10	23060	704	1	High	-0.14	0.097	23.78	24.80	1.265	0.123	/
	State5&6				10	23060	704	25	High	0.03	0.080	22.74	23.80	1.276	0.102	/
	State5&6			Back Side	10	23060	704	1	High	-0.19	0.180	23.78	24.80	1.265	0.228	/
	State5&6				10	23060	704	25	High	0.01	0.146	22.74	23.80	1.276	0.186	/
	State5&6			Left Edge	10	23060	704	1	High	0.10	0.102	23.78	24.80	1.265	0.129	/
	State5&6				10	23060	704	25	High	0.14	0.084	22.74	23.80	1.276	0.107	/
	State5&6			Right Edge	10	23060	704	1	High	0.17	0.125	23.78	24.80	1.265	0.158	/
	State5&6				10	23060	704	25	High	-0.18	0.102	22.74	23.80	1.276	0.130	/
	State5&6			Bottom Edge	10	23060	704	1	High	0.09	0.073	23.78	24.80	1.265	0.092	/
	State5&6				10	23060	704	25	High	-0.16	0.058	22.74	23.80	1.276	0.074	/

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

10.12 LTE Band 17 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	23780	709	1	Mid	-0.06	0.385	23.61	24.80	1.315	0.506	/
	State1				0	23780	709	25	Mid	-0.08	0.306	22.65	23.80	1.303	0.399	/
	State1			Left Tilt	0	23780	709	1	Mid	-0.03	0.325	23.61	24.80	1.315	0.427	/
	State1				0	23780	709	25	Mid	0.06	0.257	22.65	23.80	1.303	0.335	/
	State1			Right Cheek	0	23780	709	1	Mid	-0.10	0.606	23.61	24.80	1.315	**0.796**	31#
	State1				0	23780	709	25	Mid	0.03	0.491	22.65	23.80	1.303	0.640	/
	State1			Right Tilt	0	23780	709	1	Mid	-0.09	0.532	23.61	24.80	1.315	0.700	/
	State1				0	23780	709	25	Mid	-0.08	0.423	22.65	23.80	1.303	0.551	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	23780	709	1	Mid	0.01	0.300	22.63	23.80	1.309	0.393	/
	State2&3				0	23780	709	25	Mid	-0.17	0.307	22.54	23.80	1.337	0.410	/
	State2&3			Left Tilt	0	23780	709	1	Mid	0.17	0.258	22.63	23.80	1.309	0.338	/
	State2&3				0	23780	709	25	Mid	0.18	0.262	22.54	23.80	1.337	0.350	/
	State2&3			Right Cheek	0	23780	709	1	Mid	0.07	0.471	22.63	23.80	1.309	0.617	/
	State2&3				0	23780	709	25	Mid	0.05	0.492	22.54	23.80	1.337	0.658	/
	State2&3			Right Tilt	0	23780	709	1	Mid	0.19	0.428	22.63	23.80	1.309	0.560	/
	State2&3				0	23780	709	25	Mid	-0.17	0.433	22.54	23.80	1.337	0.579	/
Ant.0	State1&2&3	QPSK	SA	Left Cheek	0	23780	709	1	Mid	0.06	0.122	23.80	24.80	1.259	0.154	/
	State1&2&3				0	23780	709	25	Mid	-0.12	0.100	22.72	23.80	1.282	0.128	/
	State1&2&3			Left Tilt	0	23780	709	1	Mid	0.10	0.058	23.80	24.80	1.259	0.073	/
	State1&2&3				0	23780	709	25	Mid	0.16	0.046	22.72	23.80	1.282	0.059	/
	State1&2&3			Right Cheek	0	23780	709	1	Mid	-0.03	0.095	23.80	24.80	1.259	0.120	/
	State1&2&3				0	23780	709	25	Mid	-0.17	0.077	22.72	23.80	1.282	0.099	/
	State1&2&3			Right Tilt	0	23780	709	1	Mid	-0.02	0.069	23.80	24.80	1.259	0.087	/
	State1&2&3				0	23780	709	25	Mid	0.08	0.055	22.72	23.80	1.282	0.071	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	23780	709	1	Mid	-0.09	0.156	23.61	24.80	1.315	0.205	/
	State4				15	23780	709	25	Mid	0.06	0.121	22.65	23.80	1.303	0.158	/
	State4			Back Side	15	23780	709	1	Mid	-0.13	0.267	23.61	24.80	1.315	**0.351**	32#
	State4				15	23780	709	25	Mid	0.12	0.208	22.65	23.80	1.303	0.271	/
Ant.0	State4	QPSK	SA	Front Side	15	23780	709	1	Mid	0.05	0.122	23.80	24.80	1.259	0.154	/
	State4				15	23780	709	25	Mid	-0.01	0.100	22.72	23.80	1.282	0.128	/
	State4			Back Side	15	23780	709	1	Mid	-0.03	0.173	23.80	24.80	1.259	0.218	/
	State4				15	23780	709	25	Mid	0.08	0.139	22.72	23.80	1.282	0.178	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	23780	709	1	Mid	0.14	0.142	23.61	24.80	1.315	0.187	/
	State5&6				10	23780	709	25	Mid	0.01	0.115	22.65	23.80	1.303	0.150	/

	State5&6			Back Side	10	23780	709	1	Mid	-0.07	0.205	23.61	24.80	1.315	0.270	/
	State5&6				10	23780	709	25	Mid	0.05	0.166	22.65	23.80	1.303	0.216	/
	State5&6			Right Edge	10	23780	709	1	Mid	-0.15	0.244	23.61	24.80	1.315	**0.321**	33#
	State5&6				10	23780	709	25	Mid	0.17	0.195	22.65	23.80	1.303	0.254	/
	State5&6			Top Edge	10	23780	709	1	Mid	-0.05	0.146	23.61	24.80	1.315	0.192	/
	State5&6				10	23780	709	25	Mid	-0.16	0.117	22.65	23.80	1.303	0.152	/
Ant.0	State5&6	QPSK	SA	Front Side	10	23780	709	1	Mid	-0.17	0.118	23.80	24.80	1.259	0.149	/
	State5&6				10	23780	709	25	Mid	0.12	0.097	22.72	23.80	1.282	0.124	/
	State5&6			Back Side	10	23780	709	1	Mid	0.08	0.194	23.80	24.80	1.259	0.244	/
	State5&6				10	23780	709	25	Mid	0.12	0.158	22.72	23.80	1.282	0.203	/
	State5&6			Left Edge	10	23780	709	1	Mid	-0.01	0.117	23.80	24.80	1.259	0.147	/
	State5&6				10	23780	709	25	Mid	-0.19	0.093	22.72	23.80	1.282	0.119	/
	State5&6			Right Edge	10	23780	709	1	Mid	0.18	0.143	23.80	24.80	1.259	0.180	/
	State5&6				10	23780	709	25	Mid	0.11	0.116	22.72	23.80	1.282	0.149	/
	State5&6			Bottom Edge	10	23780	709	1	Mid	-0.17	0.107	23.80	24.80	1.259	0.135	/
	State5&6				10	23780	709	25	Mid	-0.05	0.086	22.72	23.80	1.282	0.110	/

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

10.13 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	26765	821.5	1	Mid	0.06	0.467	21.77	22.80	1.268	0.592	/
	State1				0	26765	821.5	36	Mid	-0.06	0.475	21.67	22.80	1.297	0.616	/
	State1			Left Tilt	0	26765	821.5	1	Mid	0.12	0.441	21.77	22.80	1.268	0.559	/
	State1				0	26765	821.5	36	Mid	0.11	0.468	21.67	22.80	1.297	0.607	/
	State1			Right Cheek	0	26765	821.5	1	Mid	0.10	0.601	21.77	22.80	1.268	0.762	/
	State1				0	26765	821.5	36	Mid	-0.08	0.613	21.67	22.80	1.297	**0.795**	34#
	State1			Right Tilt	0	26765	821.5	1	Mid	0.04	0.542	21.77	22.80	1.268	0.687	/
	State1				0	26765	821.5	36	Mid	0.13	0.555	21.67	22.80	1.297	0.720	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	26765	821.5	1	Mid	-0.13	0.379	20.79	21.80	1.262	0.478	/
	State2&3				0	26765	821.5	36	Mid	-0.14	0.381	20.73	21.80	1.279	0.487	/
	State2&3			Left Tilt	0	26765	821.5	1	Mid	-0.19	0.362	20.79	21.80	1.262	0.457	/
	State2&3				0	26765	821.5	36	Mid	-0.01	0.367	20.73	21.80	1.279	0.470	/
	State2&3			Right Cheek	0	26765	821.5	1	Mid	-0.08	0.479	20.79	21.80	1.262	0.604	/
	State2&3				0	26765	821.5	36	Mid	-0.14	0.498	20.73	21.80	1.279	0.637	/
	State2&3			Right Tilt	0	26765	821.5	1	Mid	0.04	0.430	20.79	21.80	1.262	0.543	/
	State2&3				0	26765	821.5	36	Mid	0.11	0.438	20.73	21.80	1.279	0.560	/
Ant.0	State1&2&3	QPSK	SA	Left Cheek	0	26765	821.5	1	Mid	-0.12	0.140	23.85	24.80	1.245	0.174	/
	State1&2&3				0	26765	821.5	36	Mid	-0.11	0.115	22.86	23.80	1.242	0.143	/
	State1&2&3			Left Tilt	0	26765	821.5	1	Mid	-0.12	0.072	23.85	24.80	1.245	0.090	/
	State1&2&3				0	26765	821.5	36	Mid	0.18	0.060	22.86	23.80	1.242	0.074	/
	State1&2&3			Right Cheek	0	26765	821.5	1	Mid	0.14	0.121	23.85	24.80	1.245	0.151	/
	State1&2&3				0	26765	821.5	36	Mid	-0.12	0.097	22.86	23.80	1.242	0.120	/
	State1&2&3			Right Tilt	0	26765	821.5	1	Mid	-0.11	0.059	23.85	24.80	1.245	0.073	/
	State1&2&3				0	26765	821.5	36	Mid	0.17	0.047	22.86	23.80	1.242	0.058	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	26765	821.5	1	Mid	0.06	0.102	23.66	24.80	1.300	0.133	/
	State4				15	26765	821.5	36	Mid	0.09	0.083	22.65	23.80	1.303	0.108	/
	State4			Back Side	15	26765	821.5	1	Mid	-0.11	0.135	23.66	24.80	1.300	0.176	/
	State4				15	26765	821.5	36	Mid	0.16	0.111	22.65	23.80	1.303	0.145	/
Ant.0	State4	QPSK	SA	Front Side	15	26765	821.5	1	Mid	0.03	0.115	23.85	24.80	1.245	0.143	/
	State4				15	26765	821.5	36	Mid	0.12	0.094	22.86	23.80	1.242	0.117	/
	State4			Back Side	15	26765	821.5	1	Mid	0.09	0.187	23.85	24.80	1.245	**0.233**	35#
	State4				15	26765	821.5	36	Mid	-0.12	0.151	22.86	23.80	1.242	0.187	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	26765	821.5	1	Mid	-0.03	0.189	23.66	24.80	1.300	0.246	/
	State5&6				10	26765	821.5	36	Mid	-0.09	0.152	22.65	23.80	1.303	0.198	/

	State5&6			Back Side	10	26765	821.5	1	Mid	-0.10	0.272	23.66	24.80	1.300	**0.354**	36#
	State5&6				10	26765	821.5	36	Mid	0.02	0.223	22.65	23.80	1.303	0.291	/
	State5&6			Right Edge	10	26765	821.5	1	Mid	-0.16	0.095	23.66	24.80	1.300	0.124	/
	State5&6				10	26765	821.5	36	Mid	0.15	0.077	22.65	23.80	1.303	0.100	/
	State5&6			Top Edge	10	26765	821.5	1	Mid	0.08	0.190	23.66	24.80	1.300	0.247	/
	State5&6				10	26765	821.5	36	Mid	0.12	0.152	22.65	23.80	1.303	0.198	/
Ant.0	State5&6	QPSK	SA	Front Side	10	26765	821.5	1	Mid	0.05	0.112	23.85	24.80	1.245	0.139	/
	State5&6				10	26765	821.5	36	Mid	-0.04	0.092	22.86	23.80	1.242	0.114	/
	State5&6			Back Side	10	26765	821.5	1	Mid	-0.05	0.200	23.85	24.80	1.245	0.249	/
	State5&6				10	26765	821.5	36	Mid	0.09	0.162	22.86	23.80	1.242	0.201	/
	State5&6			Left Edge	10	26765	821.5	1	Mid	-0.18	0.081	23.85	24.80	1.245	0.101	/
	State5&6				10	26765	821.5	36	Mid	0.12	0.064	22.86	23.80	1.242	0.079	/
	State5&6			Right Edge	10	26765	821.5	1	Mid	0.16	0.106	23.85	24.80	1.245	0.132	/
	State5&6				10	26765	821.5	36	Mid	0.04	0.085	22.86	23.80	1.242	0.106	/
	State5&6			Bottom Edge	10	26765	821.5	1	Mid	0.00	0.174	23.85	24.80	1.245	0.217	/
	State5&6				10	26765	821.5	36	Mid	0.10	0.142	22.86	23.80	1.242	0.176	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.14 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	132322	1745	1	Mid	0.01	0.498	18.20	18.80	1.148	0.572	/
	State1				0	132322	1745	50	Mid	-0.06	0.508	18.19	18.80	1.151	0.585	/
	State1			Left Tilt	0	132322	1745	1	Mid	0.19	0.572	18.20	18.80	1.148	0.657	/
	State1				0	132322	1745	50	Mid	-0.05	0.581	18.19	18.80	1.151	0.669	/
	State1			Right Cheek	0	132322	1745	1	Mid	-0.01	0.641	18.20	18.80	1.148	0.736	/
	State1				0	132322	1745	50	Mid	-0.02	0.662	18.19	18.80	1.151	0.762	/
	State1			Right Tilt	0	132322	1745	1	Mid	0.15	0.795	18.20	18.80	1.148	0.913	/
	State1				0	132072	1720	1	Mid	-0.12	0.851	18.02	18.80	1.197	**1.018**	37#
	State1				0	132572	1770	1	Mid	0.05	0.798	18.12	18.80	1.169	0.933	/
	State1				0	132322	1745	50	Mid	-0.13	0.804	18.19	18.80	1.151	0.925	/
	State1				0	132072	1720	50	Mid	-0.19	0.863	18.16	18.80	1.159	1.000	/
	State1				0	132572	1770	50	Mid	-0.12	0.811	18.17	18.80	1.156	0.938	/
	State1				0	132322	1745	100	Low	-0.07	0.775	18.16	18.80	1.159	0.898	/
Ant.1	State1	QPSK	NSA	Left Cheek	0	132322	1745	1	Mid	0.07	0.272	15.62	16.30	1.169	0.318	/
	State1				0	132322	1745	50	Mid	0.01	0.285	15.73	16.30	1.140	0.325	/
	State1			Left Tilt	0	132322	1745	1	Mid	0.04	0.312	15.62	16.30	1.169	0.365	/
	State1				0	132322	1745	50	Mid	0.10	0.335	15.73	16.30	1.140	0.382	/
	State1			Right Cheek	0	132322	1745	1	Mid	-0.13	0.364	15.62	16.30	1.169	0.426	/
	State1				0	132322	1745	50	Mid	0.15	0.373	15.73	16.30	1.140	0.425	/
	State1			Right Tilt	0	132322	1745	1	Mid	-0.05	0.456	15.62	16.30	1.169	0.533	/
	State1				0	132322	1745	50	Mid	0.13	0.470	15.73	16.30	1.140	0.536	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	132322	1745	1	Mid	-0.08	0.394	17.17	17.80	1.156	0.456	/
	State2&3				0	132322	1745	50	Mid	-0.09	0.398	17.16	17.80	1.159	0.461	/
	State2&3			Left Tilt	0	132322	1745	1	Mid	-0.16	0.458	17.17	17.80	1.156	0.529	/
	State2&3				0	132322	1745	50	Mid	0.01	0.469	17.16	17.80	1.159	0.543	/
	State2&3			Right Cheek	0	132322	1745	1	Mid	-0.15	0.507	17.17	17.80	1.156	0.586	/
	State2&3				0	132322	1745	50	Mid	0.10	0.535	17.16	17.80	1.159	0.620	/
	State2&3			Right Tilt	0	132322	1745	1	Mid	0.12	0.654	17.17	17.80	1.156	0.756	/
	State2&3				0	132322	1745	50	Mid	0.19	0.657	17.16	17.80	1.159	0.761	/
Ant.1	State2&3	QPSK	NSA	Left Cheek	0	132322	1745	1	Mid	-0.02	0.206	14.26	14.80	1.132	0.233	/
	State2&3				0	132322	1745	50	Mid	-0.15	0.211	14.26	14.80	1.132	0.239	/
	State2&3			Left Tilt	0	132322	1745	1	Mid	-0.01	0.222	14.26	14.80	1.132	0.251	/
	State2&3				0	132322	1745	50	Mid	-0.13	0.230	14.26	14.80	1.132	0.260	/
	State2&3			Right Cheek	0	132322	1745	1	Mid	-0.06	0.254	14.26	14.80	1.132	0.288	/
	State2&3				0	132322	1745	50	Mid	-0.01	0.262	14.26	14.80	1.132	0.297	/
	State2&3			Right Tilt	0	132322	1745	1	Mid	-0.06	0.343	14.26	14.80	1.132	0.388	/

	State2&3				0	132322	1745	50	Mid	-0.15	0.357	14.26	14.80	1.132	0.404	/
Ant.0	State1&2&3	QPSK	SA & NSA	Left Cheek	0	132322	1745	1	Mid	-0.16	0.109	23.40	23.80	1.096	0.120	/
	State1&2&3				0	132322	1745	50	Mid	-0.18	0.089	22.43	22.80	1.089	0.097	/
	State1&2&3			Left Tilt	0	132322	1745	1	Mid	-0.17	0.041	23.40	23.80	1.096	0.045	/
	State1&2&3				0	132322	1745	50	Mid	-0.02	0.033	22.43	22.80	1.089	0.036	/
	State1&2&3			Right Cheek	0	132322	1745	1	Mid	-0.05	0.076	23.40	23.80	1.096	0.083	/
	State1&2&3				0	132322	1745	50	Mid	-0.14	0.061	22.43	22.80	1.089	0.066	/
	State1&2&3			Right Tilt	0	132322	1745	1	Mid	0.04	0.052	23.40	23.80	1.096	0.057	/
	State1&2&3				0	132322	1745	50	Mid	-0.19	0.042	22.43	22.80	1.089	0.046	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	132322	1745	1	Mid	-0.07	0.148	21.15	21.80	1.161	0.172	/
	State4				15	132322	1745	50	Mid	-0.08	0.151	21.22	21.80	1.143	0.173	/
	State4			Back Side	15	132322	1745	1	Mid	-0.04	0.191	21.15	21.80	1.161	0.222	/
	State4				15	132322	1745	50	Mid	-0.02	0.206	21.22	21.80	1.143	0.235	/
Ant.1	State4	QPSK	NSA	Front Side	15	132322	1745	1	Mid	0.11	0.073	18.20	18.30	1.023	0.075	/
	State4				15	132322	1745	50	Mid	0.06	0.076	18.19	18.30	1.026	0.078	/
	State4			Back Side	15	132322	1745	1	Mid	0.09	0.097	18.20	18.30	1.023	0.099	/
	State4				15	132322	1745	50	Mid	-0.14	0.101	18.19	18.30	1.026	0.104	/
Ant.0	State4	QPSK	SA	Front Side	15	132322	1745	1	Mid	-0.03	0.138	21.21	21.80	1.146	0.158	/
	State4				15	132322	1745	50	Mid	-0.17	0.143	21.32	21.80	1.117	0.160	/
	State4			Back Side	15	132322	1745	1	Mid	-0.18	0.214	21.21	21.80	1.146	**0.245**	38#
	State4				15	132322	1745	50	Mid	-0.09	0.219	21.32	21.80	1.117	0.245	/
Ant.0	State4	QPSK	SA	Front Side	15	132322	1745	1	Mid	0.01	0.064	17.83	18.30	1.114	0.071	/
	State4				15	132322	1745	50	Mid	0.12	0.073	17.92	18.30	1.091	0.080	/
	State4			Back Side	15	132322	1745	1	Mid	-0.04	0.096	17.83	18.30	1.114	0.107	/
	State4				15	132322	1745	50	Mid	0.01	0.101	17.92	18.30	1.091	0.110	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	132322	1745	1	Mid	-0.06	0.209	19.09	19.80	1.178	0.246	/
	State5&6				10	132322	1745	50	Mid	-0.07	0.210	19.18	19.80	1.153	0.242	/
	State5&6			Back Side	10	132322	1745	1	Mid	-0.04	0.266	19.09	19.80	1.178	0.313	/
	State5&6				10	132322	1745	50	Mid	-0.05	0.274	19.18	19.80	1.153	0.316	/
	State5&6			Right Edge	10	132322	1745	1	Mid	-0.04	0.049	19.09	19.80	1.178	0.058	/
	State5&6				10	132322	1745	50	Mid	-0.16	0.050	19.18	19.80	1.153	0.058	/
	State5&6			Top Edge	10	132322	1745	1	Mid	-0.18	0.356	19.09	19.80	1.178	0.419	/
	State5&6				10	132322	1745	50	Mid	0.01	0.362	19.18	19.80	1.153	0.418	/
Ant.1	State5&6	QPSK	NSA	Front Side	10	132322	1745	1	Mid	0.07	0.107	16.12	16.80	1.169	0.125	/
	State5&6				10	132322	1745	50	Mid	-0.14	0.114	16.22	16.80	1.143	0.130	/
	State5&6			Back Side	10	132322	1745	1	Mid	0.15	0.130	16.12	16.80	1.169	0.152	/
	State5&6				10	132322	1745	50	Mid	0.11	0.137	16.22	16.80	1.143	0.157	/
	State5&6			Right Edge	10	132322	1745	1	Mid	0.07	0.025	16.12	16.80	1.169	0.029	/
	State5&6				10	132322	1745	50	Mid	-0.13	0.032	16.22	16.80	1.143	0.037	/
	State5&6			Top Edge	10	132322	1745	1	Mid	0.00	0.179	16.12	16.80	1.169	0.209	/
	State5&6				10	132322	1745	50	Mid	0.15	0.186	16.22	16.80	1.143	0.213	/

Ant.0	State5&6	QPSK	SA	Front Side	10	132322	1745	1	Mid	-0.17	0.155	19.17	19.80	1.156	0.179	/
	State5&6				10	132322	1745	50	Mid	0.02	0.162	19.29	19.80	1.125	0.182	/
	State5&6			Back Side	10	132322	1745	1	Mid	-0.10	0.266	19.17	19.80	1.156	0.308	/
	State5&6				10	132322	1745	50	Mid	-0.03	0.273	19.29	19.80	1.125	0.307	/
	State5&6			Left Edge	10	132322	1745	1	Mid	0.12	0.062	19.17	19.80	1.156	0.072	/
	State5&6				10	132322	1745	50	Mid	0.08	0.068	19.29	19.80	1.125	0.076	/
	State5&6			Right Edge	10	132322	1745	1	Mid	0.12	0.042	19.17	19.80	1.156	0.049	/
	State5&6				10	132322	1745	50	Mid	0.16	0.045	19.29	19.80	1.125	0.051	/
	State5&6			Bottom Edge	10	132322	1745	1	Mid	0.10	0.383	19.17	19.80	1.156	0.443	/
	State5&6				10	132322	1745	50	Mid	0.18	0.395	19.29	19.80	1.125	**0.444**	39#
Ant.0	State5&6	QPSK	NSA	Front Side	10	132322	1745	1	Mid	-0.14	0.086	16.47	16.80	1.079	0.093	/
	State5&6				10	132322	1745	50	Mid	-0.11	0.092	16.47	16.80	1.079	0.099	/
	State5&6			Back Side	10	132322	1745	1	Mid	0.04	0.148	16.47	16.80	1.079	0.160	/
	State5&6				10	132322	1745	50	Mid	0.02	0.154	16.47	16.80	1.079	0.166	/
	State5&6			Left Edge	10	132322	1745	1	Mid	0.15	0.036	16.47	16.80	1.079	0.039	/
	State5&6				10	132322	1745	50	Mid	0.05	0.038	16.47	16.80	1.079	0.041	/
	State5&6			Right Edge	10	132322	1745	1	Mid	-0.10	0.024	16.47	16.80	1.079	0.026	/
	State5&6				10	132322	1745	50	Mid	-0.04	0.027	16.47	16.80	1.079	0.029	/
	State5&6			Bottom Edge	10	132322	1745	1	Mid	0.12	0.222	16.47	16.80	1.079	0.240	/
	State5&6				10	132322	1745	50	Mid	-0.05	0.232	16.47	16.80	1.079	0.250	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.15 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	37850	2580	1	Mid	0.14	0.323	20.67	20.80	1.030	0.333	/
	State1				0	37850	2580	50	High	0.10	0.330	20.75	20.80	1.012	0.334	/
	State1			Left Tilt	0	37850	2580	1	Mid	-0.15	0.287	20.67	20.80	1.030	0.296	/
	State1				0	37850	2580	50	High	-0.18	0.293	20.75	20.80	1.012	0.296	/
	State1			Right Cheek	0	37850	2580	1	Mid	-0.09	0.785	20.67	20.80	1.030	0.809	/
	State1				0	38000	2595	1	Mid	-0.19	0.776	20.48	20.80	1.076	0.835	/
	State1				0	38150	2610	1	Mid	-0.18	0.831	20.66	20.80	1.033	0.858	/
	State1				0	37850	2580	50	High	0.07	0.792	20.75	20.80	1.012	0.801	/
	State1				0	38000	2595	50	High	-0.06	0.786	20.66	20.80	1.033	0.812	/
	State1				0	38150	2610	50	High	0.07	0.838	20.65	20.80	1.035	**0.867**	40#
	State1				0	37850	2580	100	Low	0.00	0.763	20.63	20.80	1.040	0.793	/
	State1			Right Tilt	0	37850	2580	1	Mid	-0.06	0.623	20.67	20.80	1.030	0.642	/
	State1				0	37850	2580	50	High	-0.05	0.635	20.75	20.80	1.012	0.642	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	37850	2580	1	Mid	0.08	0.256	19.75	19.80	1.012	0.259	/
	State2&3				0	37850	2580	50	High	-0.16	0.268	19.65	19.80	1.035	0.277	/
	State2&3			Left Tilt	0	37850	2580	1	Mid	0.07	0.234	19.75	19.80	1.012	0.237	/
	State2&3				0	37850	2580	50	High	-0.09	0.235	19.65	19.80	1.035	0.243	/
	State2&3			Right Cheek	0	37850	2580	1	Mid	-0.09	0.622	19.75	19.80	1.012	0.629	/
	State2&3				0	37850	2580	1	High	0.18	0.624	19.65	19.80	1.035	0.646	/
	State2&3			Right Tilt	0	37850	2580	1	Mid	-0.11	0.511	19.75	19.80	1.012	0.517	/
	State2&3				0	37850	2580	50	High	-0.01	0.517	19.65	19.80	1.035	0.535	/
Ant.0	State1&2&3	QPSK	SA	Left Cheek	0	37850	2580	1	Mid	-0.05	0.132	24.29	24.30	1.002	0.132	/
	State1&2&3				0	37850	2580	50	Mid	0.16	0.108	23.21	23.30	1.021	0.110	/
	State1&2&3			Left Tilt	0	37850	2580	1	Mid	0.15	0.077	24.29	24.30	1.002	0.077	/
	State1&2&3				0	37850	2580	50	Mid	-0.08	0.063	23.21	23.30	1.021	0.064	/
	State1&2&3			Right Cheek	0	37850	2580	1	Mid	-0.01	0.250	24.29	24.30	1.002	0.251	/
	State1&2&3				0	37850	2580	50	Mid	-0.13	0.203	23.21	23.30	1.021	0.207	/
	State1&2&3			Right Tilt	0	37850	2580	1	Mid	0.19	0.106	24.29	24.30	1.002	0.106	/
	State1&2&3				0	37850	2580	50	Mid	-0.08	0.085	23.21	23.30	1.021	0.087	/
Ant.4	State1	QPSK	SA	Left Cheek	0	37850	2580	1	Low	-0.15	0.395	19.64	20.00	1.086	0.429	/
	State1				0	37850	2580	50	Low	-0.03	0.320	18.48	20.00	1.419	0.454	/
	State1			Left Tilt	0	37850	2580	1	Low	0.19	0.212	19.64	20.00	1.086	0.230	/
	State1				0	37850	2580	50	Low	0.03	0.167	18.48	20.00	1.419	0.237	/
	State1			Right Cheek	0	37850	2580	1	Low	-0.03	0.682	19.64	20.00	1.086	0.741	/
	State1				0	37850	2580	50	Low	0.03	0.526	18.48	20.00	1.419	0.746	/
	State1			Right Tilt	0	37850	2580	1	Low	0.06	0.355	19.64	20.00	1.086	0.386	/

	State1				0	37850	2580	50	Low	-0.15	0.293	18.48	20.00	1.419	0.416	/
Ant.4	State2&3	QPSK	SA	Left Cheek	0	37850	2580	1	Low	-0.19	0.308	18.64	19.00	1.086	0.335	/
	State2&3				0	37850	2580	50	Low	0.03	0.315	18.53	19.00	1.114	0.351	/
	State2&3			Left Tilt	0	37850	2580	1	Low	-0.04	0.174	18.64	19.00	1.086	0.189	/
	State2&3				0	37850	2580	50	Low	-0.04	0.182	18.53	19.00	1.114	0.203	/
	State2&3			Right Cheek	0	37850	2580	1	Low	0.04	0.538	18.64	19.00	1.086	0.584	/
	State2&3				0	37850	2580	50	Low	-0.05	0.544	18.53	19.00	1.114	0.606	/
	State2&3			Right Tilt	0	37850	2580	1	Low	-0.10	0.290	18.64	19.00	1.086	0.315	/
	State2&3				0	37850	2580	50	Low	0.19	0.304	18.53	19.00	1.114	0.339	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	37850	2580	1	Mid	0.10	0.152	24.21	24.30	1.021	0.155	/
	State4				15	37850	2580	50	High	-0.04	0.120	23.15	23.30	1.035	0.124	/
	State4			Back Side	15	37850	2580	1	Mid	0.16	0.168	24.21	24.30	1.021	0.172	/
	State4				15	37850	2580	50	High	0.01	0.134	23.15	23.30	1.035	0.139	/
Ant.0	State4	QPSK	SA	Front Side	15	37850	2580	1	Mid	0.13	0.164	24.29	24.30	1.002	0.164	/
	State4				15	37850	2580	50	Mid	0.05	0.134	23.21	23.30	1.021	0.137	/
	State4			Back Side	15	37850	2580	1	Mid	-0.13	0.180	24.29	24.30	1.002	0.180	/
	State4				15	37850	2580	50	Mid	-0.05	0.143	23.21	23.30	1.021	0.146	/
Ant.4	State4	QPSK	SA	Front Side	15	37850	2580	1	Low	-0.18	0.107	19.64	20.00	1.086	0.116	/
	State4				15	37850	2580	50	Low	-0.14	0.085	18.48	20.00	1.419	0.121	/
	State4			Back Side	15	37850	2580	1	Low	-0.14	0.229	19.64	20.00	1.086	0.249	/
	State4				15	37850	2580	50	Low	0.18	0.182	18.48	20.00	1.419	**0.258**	41#
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	37850	2580	1	Mid	0.10	0.345	24.21	24.30	1.021	0.352	/
	State5&6				10	37850	2580	50	High	-0.16	0.276	23.15	23.30	1.035	0.286	/
	State5&6			Back Side	10	37850	2580	1	Mid	0.18	0.358	24.21	24.30	1.021	0.365	/
	State5&6				10	37850	2580	50	High	0.10	0.290	23.15	23.30	1.035	0.300	/
	State5&6			Right Edge	10	37850	2580	1	Mid	0.13	0.382	24.21	24.30	1.021	0.390	/
	State5&6				10	37850	2580	50	High	0.15	0.306	23.15	23.30	1.035	0.317	/
	State5&6			Top Edge	10	37850	2580	1	Mid	0.12	0.200	24.21	24.30	1.021	0.204	/
	State5&6				10	37850	2580	50	High	-0.15	0.160	23.15	23.30	1.035	0.166	/
Ant.0	State5&6	QPSK	SA	Front Side	10	37850	2580	1	Mid	-0.01	0.283	24.29	24.30	1.002	0.284	/
	State5&6				10	37850	2580	50	Mid	-0.19	0.230	23.21	23.30	1.021	0.235	/
	State5&6			Back Side	10	37850	2580	1	Mid	0.15	0.369	24.29	24.30	1.002	0.370	/
	State5&6				10	37850	2580	50	Mid	-0.07	0.292	23.21	23.30	1.021	0.298	/
	State5&6			Left Edge	10	37850	2580	1	Mid	0.03	0.229	24.29	24.30	1.002	0.230	/
	State5&6				10	37850	2580	50	Mid	-0.04	0.184	23.21	23.30	1.021	0.188	/
	State5&6			Right Edge	10	37850	2580	1	Mid	0.02	0.031	24.29	24.30	1.002	0.031	/
	State5&6				10	37850	2580	50	Mid	-0.09	0.026	23.21	23.30	1.021	0.027	/
	State5&6			Bottom Edge	10	37850	2580	1	Mid	-0.09	0.212	24.29	24.30	1.002	0.212	/
	State5&6				10	37850	2580	50	Mid	-0.04	0.171	23.21	23.30	1.021	0.175	/
Ant.4	State5&6	QPSK	SA	Front Side	10	37850	2580	1	Low	0.19	0.172	18.64	19.00	1.086	0.187	/
	State5&6				10	37850	2580	50	Low	-0.12	0.179	18.53	19.00	1.114	0.199	/

	State5&6			Back Side	10	37850	2580	1	Low	0.03	0.410	18.64	19.00	1.086	0.445	/
	State5&6				10	37850	2580	50	Low	0.14	0.417	18.53	19.00	1.114	**0.465**	42#
	State5&6			Right Edge	10	37850	2580	1	Low	0.12	0.333	18.64	19.00	1.086	0.362	/
	State5&6				10	37850	2580	50	Low	0.18	0.340	18.53	19.00	1.114	0.379	/
	State5&6			Top Edge	10	37850	2580	1	Low	0.10	0.077	18.64	19.00	1.086	0.084	/
	State5&6				10	37850	2580	50	Low	-0.07	0.082	18.53	19.00	1.114	0.091	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Right Cheek	0	38150 +37952	2610 +2590.2	1+1	Low +High	-0.12	0.743	20.33	20.80	1.114	0.828	/
Ant.1	State1	QPSK	SA	Right Cheek	0	38099 +37901	2589.9 +2570.1	1+1	High +Low	-0.03	0.719	20.29	20.80	1.125	0.809	/
Ant.1	State1	QPSK	SA	Right Cheek	0	37850 +38048	2580 +2599.8	1+1	Low +High	0.04	0.724	20.24	20.80	1.138	0.824	/
Body-worn Accessory																
Ant.0	State4	QPSK	SA	Back Side	15	37850 +38048	2580 +2599.8	1+1	Low +High	0.06	0.169	24.07	24.30	1.054	0.178	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Back Side	10	37850 +38048	2580 +2599.8	1+1	Low +High	0.13	0.354	24.07	24.30	1.054	0.373	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.17 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Left Cheek	0	39750	2506	1	Low	0.09	0.241	20.23	20.30	1.016	0.245	/
	State1				0	39750	2506	50	Low	-0.17	0.252	20.24	20.30	1.014	0.256	/
	State1			Left Tilt	0	39750	2506	1	Low	-0.11	0.235	20.23	20.30	1.016	0.239	/
	State1				0	39750	2506	50	Low	0.05	0.249	20.24	20.30	1.014	0.252	/
	State1			Right Cheek	0	39750	2506	1	Low	-0.07	0.754	20.23	20.30	1.016	0.766	/
	State1				0	39750	2506	50	Low	-0.07	0.788	20.24	20.30	1.014	0.799	/
	State1				0	40185	2636.5	50	Low	0.03	0.722	20.08	20.30	1.052	0.760	/
	State1				0	40620	2593	50	Low	-0.05	0.764	20.15	20.30	1.035	0.791	/
	State1				0	41055	2549.5	50	Low	-0.07	0.771	20.22	20.30	1.019	0.785	/
	State1				0	41490	2680	50	Low	0.13	0.789	20.21	20.30	1.021	**0.806**	43#
	State1				0	39750	2506	100	Low	0.05	0.753	20.22	20.30	1.019	0.767	/
	State1			Right Tilt	0	39750	2506	1	Low	0.15	0.592	20.23	20.30	1.016	0.602	/
	State1				0	39750	2506	50	Low	-0.09	0.608	20.24	20.30	1.014	0.616	/
Ant.1	State2&3	QPSK	SA	Left Cheek	0	39750	2506	1	Low	-0.16	0.194	19.25	19.30	1.012	0.196	/
	State2&3				0	39750	2506	50	Low	-0.08	0.205	19.17	19.30	1.030	0.211	/
	State2&3			Left Tilt	0	39750	2506	1	Low	0.03	0.190	19.25	19.30	1.012	0.192	/
	State2&3				0	39750	2506	50	Low	0.03	0.198	19.17	19.30	1.030	0.204	/
	State2&3			Right Cheek	0	39750	2506	1	Low	-0.15	0.613	19.25	19.30	1.012	0.620	/
	State2&3				0	39750	2506	50	Low	-0.07	0.624	19.17	19.30	1.030	0.643	/
	State2&3			Right Tilt	0	39750	2506	1	Low	-0.10	0.460	19.25	19.30	1.012	0.465	/
	State2&3				0	39750	2506	50	Low	0.06	0.476	19.17	19.30	1.030	0.490	/
Ant.0	State1&2&3	QPSK	SA	Left Cheek	0	39750	2506	1	Mid	-0.17	0.134	24.30	24.30	1.000	0.134	/
	State1&2&3				0	39750	2506	50	Mid	0.10	0.110	23.29	23.30	1.002	0.110	/
	State1&2&3			Left Tilt	0	39750	2506	1	Mid	0.09	0.077	24.30	24.30	1.000	0.077	/
	State1&2&3				0	39750	2506	50	Mid	0.19	0.062	23.29	23.30	1.002	0.062	/
	State1&2&3			Right Cheek	0	39750	2506	1	Mid	-0.12	0.254	24.30	24.30	1.000	0.254	/
	State1&2&3				0	39750	2506	50	Mid	-0.08	0.209	23.29	23.30	1.002	0.209	/
	State1&2&3			Right Tilt	0	39750	2506	1	Mid	-0.04	0.090	24.30	24.30	1.000	0.090	/
	State1&2&3				0	39750	2506	50	Mid	-0.07	0.074	23.29	23.30	1.002	0.074	/
Ant.4	State1&2&3	QPSK	SA	Left Cheek	0	40620	2593	1	Low	0.00	0.393	21.55	22.00	1.109	0.436	/
	State1&2&3				0	40620	2593	50	Low	0.04	0.305	20.52	21.00	1.117	0.341	/
	State1&2&3			Left Tilt	0	40620	2593	1	Low	0.01	0.219	21.55	22.00	1.109	0.243	/
	State1&2&3				0	40620	2593	50	Low	-0.11	0.175	20.52	21.00	1.117	0.195	/
	State1&2&3			Right Cheek	0	40620	2593	1	Low	-0.08	0.635	21.55	22.00	1.109	0.704	/
	State1&2&3				0	40620	2593	50	Low	0.05	0.559	20.52	21.00	1.117	0.624	/
	State1&2&3			Right Tilt	0	40620	2593	1	Low	-0.10	0.269	21.55	22.00	1.109	0.298	/

	State1&2&3				0	40620	2593	50	Low	-0.16	0.209	20.52	21.00	1.117	0.233	/
Body-worn Accessory																
Ant.1	State4	QPSK	SA	Front Side	15	39750	2506	1	Mid	-0.12	0.154	23.16	23.30	1.033	0.159	/
	State4				15	39750	2506	50	Mid	0.10	0.159	23.12	23.30	1.042	0.166	/
	State4			Back Side	15	39750	2506	1	Mid	0.00	0.155	23.16	23.30	1.033	0.160	/
	State4				15	39750	2506	50	Mid	0.15	0.163	23.12	23.30	1.042	0.170	/
Ant.0	State4	QPSK	SA	Front Side	15	39750	2506	1	Mid	0.11	0.159	24.30	24.30	1.000	0.159	/
	State4				15	39750	2506	50	Mid	0.10	0.130	23.29	23.30	1.002	0.130	/
	State4			Back Side	15	39750	2506	1	Mid	0.08	0.188	24.30	24.30	1.000	0.188	/
	State4				15	39750	2506	50	Mid	-0.17	0.154	23.29	23.30	1.002	0.154	/
Ant.4	State4	QPSK	SA	Front Side	15	40620	2593	1	Low	0.05	0.124	21.55	22.00	1.109	0.138	/
	State4				15	40620	2593	50	Low	0.08	0.098	20.52	21.00	1.117	0.109	/
	State4			Back Side	15	40620	2593	1	Low	-0.08	0.370	21.55	22.00	1.109	**0.410**	44#
	State4				15	40620	2593	50	Low	-0.05	0.290	20.52	21.00	1.117	0.324	/
Hotspot																
Ant.1	State5&6	QPSK	SA	Front Side	10	39750	2506	1	Mid	0.12	0.248	21.16	21.30	1.033	0.256	/
	State5&6				10	39750	2506	50	Mid	0.06	0.252	21.07	21.30	1.054	0.266	/
	State5&6			Back Side	10	39750	2506	1	Mid	-0.07	0.168	21.16	21.30	1.033	0.174	/
	State5&6				10	39750	2506	50	Mid	-0.19	0.173	21.07	21.30	1.054	0.182	/
	State5&6			Right Edge	10	39750	2506	1	Mid	0.10	0.262	21.16	21.30	1.033	0.271	/
	State5&6				10	39750	2506	50	Mid	-0.13	0.270	21.07	21.30	1.054	0.285	/
	State5&6			Top Edge	10	39750	2506	1	Mid	0.03	0.177	21.16	21.30	1.033	0.183	/
	State5&6				10	39750	2506	50	Mid	-0.01	0.185	21.07	21.30	1.054	0.195	/
Ant.0	State5&6	QPSK	SA	Front Side	10	39750	2506	1	Mid	0.10	0.283	24.30	24.30	1.000	0.283	/
	State5&6				10	39750	2506	50	Mid	0.00	0.231	23.29	23.30	1.002	0.232	/
	State5&6			Back Side	10	39750	2506	1	Mid	-0.12	0.318	24.30	24.30	1.000	0.318	/
	State5&6				10	39750	2506	50	Mid	-0.01	0.263	23.29	23.30	1.002	0.264	/
	State5&6			Left Edge	10	39750	2506	1	Mid	0.17	0.200	24.30	24.30	1.000	0.200	/
	State5&6				10	39750	2506	50	Mid	0.05	0.159	23.29	23.30	1.002	0.159	/
	State5&6			Right Edge	10	39750	2506	1	Mid	-0.18	0.028	24.30	24.30	1.000	0.028	/
	State5&6				10	39750	2506	50	Mid	-0.16	0.023	23.29	23.30	1.002	0.023	/
	State5&6			Bottom Edge	10	39750	2506	1	Mid	0.07	0.192	24.30	24.30	1.000	0.192	/
	State5&6				10	39750	2506	50	Mid	-0.02	0.155	23.29	23.30	1.002	0.155	/
Ant.4	State5&6	QPSK	SA	Front Side	10	40620	2593	1	Mid	-0.03	0.206	20.63	21.00	1.089	0.224	/
	State5&6				10	40620	2593	50	Low	-0.16	0.210	20.67	21.00	1.079	0.227	/
	State5&6			Back Side	10	40620	2593	1	Mid	0.05	0.714	20.63	21.00	1.089	0.777	/
	State5&6				10	40620	2593	50	Low	0.03	0.725	20.67	21.00	1.079	**0.782**	45#
	State5&6			Right Edge	10	40620	2593	1	Mid	0.00	0.372	20.63	21.00	1.089	0.405	/
	State5&6				10	40620	2593	50	Low	0.05	0.378	20.67	21.00	1.079	0.408	/
	State5&6			Top Edge	10	40620	2593	1	Mid	0.15	0.077	20.63	21.00	1.089	0.084	/
	State5&6				10	40620	2593	50	Low	-0.15	0.079	20.67	21.00	1.079	0.085	/

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

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

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	QPSK	SA	Right Cheek	0	41490 +41292	2680 +2660.2	1+1	Low +High	0.10	0.758	20.04	20.30	1.062	0.805	/
Body-worn Accessory																
Ant.0	State4	QPSK	SA	Back Side	15	39750 +39948	2506 +2525.8	1+1	High +Low	-0.19	0.172	24.15	24.30	1.035	0.178	/
Hotspot																
Ant.0	State5&6	QPSK	SA	Back Side	10	39750 +39948	2506 +2525.8	1+1	High +Low	-0.05	0.295	24.15	24.30	1.035	0.305	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.19 NR n5 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	DFT-s-OFDM BPSK	SA	Left Cheek	0	166800	834	1	53	0.03	0.501	21.39	22.00	1.151	0.577	/
	State1				0	166800	834	50	0	-0.08	0.513	21.31	22.00	1.172	0.601	/
	State1			Left Tilt	0	166800	834	1	53	0.16	0.443	21.39	22.00	1.151	0.510	/
	State1				0	166800	834	50	0	-0.14	0.459	21.31	22.00	1.172	0.538	/
	State1			Right Cheek	0	166800	834	1	53	0.05	0.674	21.39	22.00	1.151	0.776	/
	State1				0	166800	834	50	0	0.18	0.682	21.31	22.00	1.172	**0.799**	46#
	State1			Right Tilt	0	166800	834	1	53	-0.16	0.570	21.39	22.00	1.151	0.656	/
	State1				0	166800	834	50	0	-0.11	0.579	21.31	22.00	1.172	0.679	/
Ant.1	State1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	166800	834	1	53	-0.14	0.308	19.23	19.50	1.064	0.328	/
	State1				0	166800	834	50	0	0.04	0.319	19.28	19.50	1.052	0.336	/
	State1			Left Tilt	0	166800	834	1	53	0.07	0.274	19.23	19.50	1.064	0.292	/
	State1				0	166800	834	50	0	-0.18	0.286	19.28	19.50	1.052	0.301	/
	State1			Right Cheek	0	166800	834	1	53	-0.03	0.440	19.23	19.50	1.064	0.468	/
	State1				0	166800	834	50	0	-0.05	0.452	19.28	19.50	1.052	0.475	/
	State1			Right Tilt	0	166800	834	1	53	0.17	0.367	19.23	19.50	1.064	0.391	/
	State1				0	166800	834	50	0	-0.16	0.376	19.28	19.50	1.052	0.396	/
Ant.1	State2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	53	-0.05	0.388	20.41	21.00	1.146	0.444	/
	State2&3				0	167300	836.5	50	28	0.01	0.412	20.42	21.00	1.143	0.471	/
	State2&3			Left Tilt	0	167300	836.5	1	53	-0.10	0.347	20.41	21.00	1.146	0.397	/
	State2&3				0	167300	836.5	50	28	0.04	0.372	20.42	21.00	1.143	0.425	/
	State2&3			Right Cheek	0	167300	836.5	1	53	0.01	0.527	20.41	21.00	1.146	0.604	/
	State2&3				0	167300	836.5	50	28	0.17	0.536	20.42	21.00	1.143	0.613	/
	State2&3			Right Tilt	0	167300	836.5	1	53	0.12	0.468	20.41	21.00	1.146	0.536	/
	State2&3				0	167300	836.5	50	28	0.00	0.479	20.42	21.00	1.143	0.547	/
Ant.1	State2&3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	167300	836.5	1	53	0.15	0.199	17.39	18.00	1.151	0.229	/
	State2&3				0	167300	836.5	50	28	0.16	0.201	17.40	18.00	1.148	0.231	/
	State2&3			Left Tilt	0	167300	836.5	1	53	-0.16	0.179	17.39	18.00	1.151	0.206	/
	State2&3				0	167300	836.5	50	28	-0.02	0.186	17.40	18.00	1.148	0.214	/
	State2&3			Right Cheek	0	167300	836.5	1	53	-0.08	0.266	17.39	18.00	1.151	0.306	/
	State2&3				0	167300	836.5	50	28	-0.10	0.273	17.40	18.00	1.148	0.313	/
	State2&3			Right Tilt	0	167300	836.5	1	53	0.16	0.223	17.39	18.00	1.151	0.257	/
	State2&3				0	167300	836.5	50	28	0.03	0.237	17.40	18.00	1.148	0.272	/
Ant.0	State1&2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	167300	836.5	1	53	-0.12	0.083	24.35	25.00	1.161	0.096	/
	State1&2&3				0	167300	836.5	50	28	0.04	0.064	23.63	24.00	1.089	0.070	/
	State1&2&3			Left Tilt	0	167300	836.5	1	53	0.04	0.049	24.35	25.00	1.161	0.057	/
	State1&2&3				0	167300	836.5	50	28	0.12	0.040	23.63	24.00	1.089	0.044	/

	State1&2&3			Right Cheek	0	167300	836.5	1	53	-0.15	0.053	24.35	25.00	1.161	0.062	/
	State1&2&3				0	167300	836.5	50	28	0.13	0.042	23.63	24.00	1.089	0.046	/
	State1&2&3			Right Tilt	0	167300	836.5	1	53	-0.16	0.037	24.35	25.00	1.161	0.043	/
	State1&2&3				0	167300	836.5	50	28	0.16	0.030	23.63	24.00	1.089	0.033	/
Body-worn Accessory																
Ant.1	State4	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	1	53	-0.02	0.175	24.35	25.00	1.161	0.203	/
	State4				15	167300	836.5	50	28	-0.09	0.142	23.63	24.00	1.089	0.155	/
	State4			Back Side	15	167300	836.5	1	53	0.13	0.238	24.35	25.00	1.161	**0.276**	47#
	State4				15	167300	836.5	50	28	-0.06	0.194	23.63	24.00	1.089	0.211	/
Ant.1	State4	DFT-s-OFDM BPSK	NSA	Front Side	15	167300	836.5	1	53	-0.10	0.126	23.08	23.50	1.102	0.139	/
	State4				15	167300	836.5	50	28	0.19	0.130	23.04	23.50	1.112	0.145	/
	State4			Back Side	15	167300	836.5	1	53	0.04	0.165	23.08	23.50	1.102	0.182	/
	State4				15	167300	836.5	50	28	-0.19	0.172	23.04	23.50	1.112	0.191	/
Ant.0	State4	DFT-s-OFDM BPSK	SA	Front Side	15	167300	836.5	1	53	-0.18	0.053	24.35	25.00	1.161	0.062	/
	State4				15	167300	836.5	50	28	-0.14	0.043	23.63	24.00	1.089	0.047	/
	State4			Back Side	15	167300	836.5	1	53	-0.19	0.109	24.35	25.00	1.161	0.127	/
	State4				15	167300	836.5	50	28	0.05	0.089	23.63	24.00	1.089	0.097	/
Hotspot																
Ant.1	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	167300	836.5	1	53	-0.09	0.292	24.35	25.00	1.161	0.339	/
	State5&6				10	167300	836.5	50	28	0.16	0.238	23.63	24.00	1.089	0.259	/
	State5&6			Back Side	10	167300	836.5	1	53	0.09	0.404	24.35	25.00	1.161	**0.469**	48#
	State5&6				10	167300	836.5	50	28	0.02	0.324	23.63	24.00	1.089	0.353	/
	State5&6			Right Edge	10	167300	836.5	1	53	0.12	0.147	24.35	25.00	1.161	0.171	/
	State5&6				10	167300	836.5	50	28	0.11	0.120	23.63	24.00	1.089	0.131	/
	State5&6			Top Edge	10	167300	836.5	1	53	0.04	0.315	24.35	25.00	1.161	0.366	/
	State5&6				10	167300	836.5	50	28	0.03	0.254	23.63	24.00	1.089	0.277	/
Ant.1	State5&6	DFT-s-OFDM BPSK	NSA	Front Side	10	166800	834	1	53	0.01	0.145	21.39	22.00	1.151	0.167	/
	State5&6				10	166800	834	50	0	0.09	0.155	21.31	22.00	1.172	0.182	/
	State5&6			Back Side	10	166800	834	1	53	-0.03	0.203	21.39	22.00	1.151	0.234	/
	State5&6				10	166800	834	50	0	0.17	0.211	21.31	22.00	1.172	0.247	/
	State5&6			Right Edge	10	166800	834	1	53	-0.03	0.076	21.39	22.00	1.151	0.087	/
	State5&6				10	166800	834	50	0	-0.01	0.090	21.31	22.00	1.172	0.105	/
	State5&6			Top Edge	10	166800	834	1	53	0.03	0.156	21.39	22.00	1.151	0.180	/
	State5&6				10	166800	834	50	0	-0.13	0.165	21.31	22.00	1.172	0.193	/
Ant.0	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	167300	836.5	1	53	0.11	0.085	24.35	25.00	1.161	0.099	/
	State5&6				10	167300	836.5	50	28	0.08	0.066	23.63	24.00	1.089	0.072	/
	State5&6			Back Side	10	167300	836.5	1	53	0.02	0.204	24.35	25.00	1.161	0.237	/
	State5&6				10	167300	836.5	50	28	-0.18	0.165	23.63	24.00	1.089	0.180	/
	State5&6			Left Edge	10	167300	836.5	1	53	0.13	0.042	24.35	25.00	1.161	0.049	/
	State5&6				10	167300	836.5	50	28	0.15	0.033	23.63	24.00	1.089	0.036	/
	State5&6			Right Edge	10	167300	836.5	1	53	-0.19	0.070	24.35	25.00	1.161	0.081	/
	State5&6				10	167300	836.5	50	28	-0.06	0.055	23.63	24.00	1.089	0.060	/
	State5&6			Bottom Edge	10	167300	836.5	1	53	-0.15	0.211	24.35	25.00	1.161	0.245	/

	State5&6				10	167300	836.5	50	28	-0.10	0.164	23.63	24.00	1.089	0.179	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.20 NR n7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	1	-0.17	0.289	16.70	17.50	1.202	0.347	/
	State1				0	507000	2535	135	0	-0.10	0.293	16.73	17.50	1.194	0.350	/
	State1			Left Tilt	0	507000	2535	1	1	0.18	0.229	16.70	17.50	1.202	0.275	/
	State1				0	507000	2535	135	0	0.04	0.235	16.73	17.50	1.194	0.281	/
	State1			Right Cheek	0	507000	2535	1	1	0.12	0.697	16.70	17.50	1.202	0.838	/
	State1				0	502000	2510	1	1	-0.03	0.664	16.58	17.50	1.236	0.821	/
	State1				0	512000	2560	1	1	0.09	0.692	16.59	17.50	1.233	0.853	/
	State1				0	507000	2535	135	0	0.00	0.709	16.73	17.50	1.194	0.847	/
	State1				0	502000	2510	135	0	-0.16	0.670	16.61	17.50	1.227	0.822	/
	State1				0	512000	2560	135	0	-0.17	0.712	16.64	17.50	1.219	**0.868**	49#
	State1				0	507000	2535	270	0	-0.09	0.696	16.69	17.50	1.205	0.839	/
	State1			Right Tilt	0	507000	2535	1	1	0.17	0.605	16.70	17.50	1.202	0.727	/
	State1				0	507000	2535	135	0	-0.04	0.614	16.73	17.50	1.194	0.733	/
Ant.1	State1	DFT-s-OFDM BPSK	NSA	Left Cheek	0	507000	2535	1	1	0.01	0.189	14.59	15.00	1.099	0.208	/
	State1				0	507000	2535	135	68	0.11	0.194	14.63	15.00	1.089	0.211	/
	State1			Left Tilt	0	507000	2535	1	1	0.16	0.149	14.59	15.00	1.099	0.164	/
	State1				0	507000	2535	135	68	-0.13	0.155	14.63	15.00	1.089	0.169	/
	State1			Right Cheek	0	507000	2535	1	1	-0.08	0.427	14.59	15.00	1.099	0.469	/
	State1				0	507000	2535	135	68	-0.13	0.435	14.63	15.00	1.089	0.474	/
	State1			Right Tilt	0	507000	2535	1	1	-0.17	0.378	14.59	15.00	1.099	0.415	/
	State1				0	507000	2535	135	68	0.14	0.381	14.63	15.00	1.089	0.415	/
Ant.1	State2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	1	0.06	0.222	15.84	16.50	1.164	0.258	/
	State2&3				0	507000	2535	135	0	0.16	0.234	15.89	16.50	1.151	0.269	/
	State2&3			Left Tilt	0	507000	2535	1	1	0.14	0.185	15.84	16.50	1.164	0.215	/
	State2&3				0	507000	2535	135	0	-0.04	0.189	15.89	16.50	1.151	0.218	/
	State2&3			Right Cheek	0	507000	2535	1	1	0.10	0.557	15.84	16.50	1.164	0.648	/
	State2&3				0	507000	2535	135	0	0.15	0.572	15.89	16.50	1.151	0.658	/
	State2&3			Right Tilt	0	507000	2535	1	1	0.00	0.471	15.84	16.50	1.164	0.548	/
	State2&3				0	507000	2535	135	0	-0.14	0.487	15.89	16.50	1.151	0.560	/
Ant.1	State2&3	DFT-s-OFDM BPSK	NSA	Left Cheek	0	507000	2535	1	1	0.19	0.125	13.12	13.50	1.091	0.136	/
	State2&3				0	507000	2535	135	0	-0.14	0.133	13.10	13.50	1.096	0.146	/
	State2&3			Left Tilt	0	507000	2535	1	1	-0.17	0.105	13.12	13.50	1.091	0.115	/
	State2&3				0	507000	2535	135	0	-0.16	0.107	13.10	13.50	1.096	0.117	/

	State2&3			Right Cheek	0	507000	2535	1	1	-0.15	0.310	13.12	13.50	1.091	0.338	/
	State2&3				0	512000	2560	135	0	-0.08	0.319	13.10	13.50	1.096	0.350	/
	State2&3			Right Tilt	0	507000	2535	1	1	-0.13	0.263	13.12	13.50	1.091	0.287	/
	State2&3				0	507000	2535	135	0	0.17	0.278	13.10	13.50	1.096	0.305	/
Ant.0	State1&2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	507000	2535	1	1	0.11	0.170	23.97	24.50	1.130	0.192	/
	State1&2&3				0	507000	2535	135	68	-0.17	0.138	22.81	23.50	1.172	0.162	/
	State1&2&3			Left Tilt	0	507000	2535	1	1	-0.16	0.111	23.97	24.50	1.130	0.125	/
	State1&2&3				0	507000	2535	135	68	-0.06	0.090	22.81	23.50	1.172	0.105	/
	State1&2&3			Right Cheek	0	507000	2535	1	1	-0.08	0.269	23.97	24.50	1.130	0.304	/
	State1&2&3				0	507000	2535	135	68	0.16	0.219	22.81	23.50	1.172	0.257	/
	State1&2&3			Right Tilt	0	507000	2535	1	1	0.04	0.120	23.97	24.50	1.130	0.136	/
	State1&2&3				0	507000	2535	135	68	0.09	0.098	22.81	23.50	1.172	0.115	/
Ant.4	State1	DFT-s-OFDM BPSK	SA & NSA	Left Cheek	0	507000	2535	1	135	-0.04	0.352	20.36	21.20	1.213	0.427	/
	State1				0	507000	2535	135	68	-0.05	0.359	20.39	21.20	1.205	0.433	/
	State1			Left Tilt	0	507000	2535	1	135	0.09	0.134	20.36	21.20	1.213	0.163	/
	State1				0	507000	2535	135	68	0.04	0.138	20.39	21.20	1.205	0.166	/
	State1			Right Cheek	0	507000	2535	1	135	0.06	0.504	20.36	21.20	1.213	0.612	/
	State1				0	507000	2535	135	68	0.16	0.515	20.39	21.20	1.205	0.621	/
	State1			Right Tilt	0	507000	2535	1	135	0.13	0.285	20.36	21.20	1.213	0.346	/
	State1				0	507000	2535	135	68	-0.08	0.289	20.39	21.20	1.205	0.348	/
Ant.4	State2&3	DFT-s-OFDM BPSK	SA & NSA	Left Cheek	0	507000	2535	1	135	-0.19	0.270	19.32	20.20	1.225	0.331	/
	State2&3				0	507000	2535	135	68	-0.05	0.287	19.35	20.20	1.216	0.349	/
	State2&3			Left Tilt	0	507000	2535	1	135	0.17	0.107	19.32	20.20	1.225	0.131	/
	State2&3				0	507000	2535	135	68	0.02	0.110	19.35	20.20	1.216	0.134	/
	State2&3			Right Cheek	0	507000	2535	1	135	-0.03	0.505	19.32	20.20	1.225	0.618	/
	State2&3				0	507000	2535	135	68	0.18	0.514	19.35	20.20	1.216	0.625	/
	State2&3			Right Tilt	0	507000	2535	1	135	0.16	0.222	19.32	20.20	1.225	0.272	/
	State2&3				0	507000	2535	135	68	0.04	0.228	19.35	20.20	1.216	0.277	/
Body-worn Accessory																
Ant.1	State4	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	0.12	0.219	21.30	22.00	1.175	0.257	/
	State4				15	507000	2535	135	0	0.06	0.223	21.35	22.00	1.161	0.259	/
	State4			Back Side	15	507000	2535	1	1	0.05	0.283	21.30	22.00	1.175	0.332	/
	State4				15	507000	2535	135	0	-0.09	0.290	21.35	22.00	1.161	**0.337**	50#
Ant.1	State4	DFT-s-OFDM BPSK	NSA	Front Side	15	507000	2535	1	1	0.07	0.108	18.49	19.00	1.125	0.121	/
	State4				15	507000	2535	135	0	-0.08	0.112	18.50	19.00	1.122	0.126	/
	State4			Back Side	15	507000	2535	1	1	-0.16	0.139	18.49	19.00	1.125	0.156	/
	State4				15	507000	2535	135	0	-0.01	0.144	18.50	19.00	1.122	0.162	/
Ant.0	State4	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	1	0.05	0.131	22.42	23.00	1.143	0.150	/
	State4				15	507000	2535	135	68	0.08	0.145	22.46	23.00	1.132	0.164	/
	State4			Back Side	15	507000	2535	1	1	0.05	0.199	22.42	23.00	1.143	0.227	/
	State4				15	507000	2535	135	68	-0.01	0.203	22.46	23.00	1.132	0.230	/
Ant.0	State4	DFT-s-OFDM	NSA	Front Side	15	507000	2535	1	135	-0.02	0.066	19.53	20.00	1.114	0.074	/
	State4				15	507000	2535	135	68	-0.01	0.073	19.50	20.00	1.122	0.082	/

	State4	BPSK		Back Side	15	507000	2535	1	135	0.12	0.096	19.53	20.00	1.114	0.107	/
	State4				15	507000	2535	135	68	0.08	0.101	19.50	20.00	1.122	0.113	/
Ant.4	State4	DFT-s-OFDM BPSK	SA	Front Side	15	507000	2535	1	135	-0.06	0.106	20.36	21.20	1.213	0.129	/
	State4				15	507000	2535	135	68	-0.14	0.112	20.39	21.20	1.205	0.135	/
	State4			Back Side	15	507000	2535	1	135	0.15	0.242	20.36	21.20	1.213	0.294	/
	State4				15	507000	2535	135	68	0.04	0.253	20.39	21.20	1.205	0.305	/
Ant.4	State4	DFT-s-OFDM BPSK	NSA	Front Side	15	507000	2535	1	135	-0.13	0.075	18.76	19.20	1.107	0.083	/
	State4				15	507000	2535	135	68	-0.05	0.078	18.80	19.20	1.096	0.086	/
	State4			Back Side	15	507000	2535	1	135	0.09	0.167	18.76	19.20	1.107	0.185	/
	State4				15	507000	2535	135	68	0.14	0.177	18.80	19.20	1.096	0.194	/
Hotspot																
Ant.1	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	1	-0.07	0.293	19.64	20.50	1.219	0.357	/
	State5&6				10	507000	2535	135	0	-0.04	0.311	19.71	20.50	1.199	0.373	/
	State5&6			Back Side	10	507000	2535	1	1	0.16	0.291	19.64	20.50	1.219	0.355	/
	State5&6				10	507000	2535	135	0	0.00	0.306	19.71	20.50	1.199	0.367	/
	State5&6			Right Edge	10	507000	2535	1	1	0.00	0.405	19.64	20.50	1.219	0.494	/
	State5&6				10	507000	2535	135	0	-0.12	0.412	19.71	20.50	1.199	0.494	/
	State5&6			Top Edge	10	507000	2535	1	1	0.14	0.228	19.64	20.50	1.219	0.278	/
	State5&6				10	507000	2535	135	0	0.09	0.236	19.71	20.50	1.199	0.283	/
Ant.1	State5&6	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	1	1	-0.17	0.145	16.70	17.50	1.202	0.174	/
	State5&6				10	507000	2535	135	0	0.13	0.151	16.73	17.50	1.194	0.180	/
	State5&6			Back Side	10	507000	2535	1	1	-0.19	0.149	16.70	17.50	1.202	0.179	/
	State5&6				10	507000	2535	135	0	-0.12	0.157	16.73	17.50	1.194	0.187	/
	State5&6			Right Edge	10	507000	2535	1	1	-0.03	0.198	16.70	17.50	1.202	0.238	/
	State5&6				10	507000	2535	135	0	-0.05	0.205	16.73	17.50	1.194	0.245	/
	State5&6			Top Edge	10	507000	2535	1	1	0.10	0.117	16.70	17.50	1.202	0.141	/
	State5&6				10	507000	2535	135	0	0.01	0.121	16.73	17.50	1.194	0.144	/
Ant.0	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	1	-0.07	0.234	20.82	21.50	1.169	0.274	/
	State5&6				10	507000	2535	135	68	0.05	0.240	20.85	21.50	1.161	0.279	/
	State5&6			Back Side	10	507000	2535	1	1	-0.10	0.247	20.82	21.50	1.169	0.289	/
	State5&6				10	507000	2535	135	68	-0.13	0.252	20.85	21.50	1.161	0.293	/
	State5&6			Left Edge	10	507000	2535	1	1	0.16	0.281	20.82	21.50	1.169	0.329	/
	State5&6				10	507000	2535	135	68	0.07	0.297	20.85	21.50	1.161	0.345	/
	State5&6			Right Edge	10	507000	2535	1	1	-0.15	0.092	20.82	21.50	1.169	0.108	/
	State5&6				10	507000	2535	135	68	0.19	0.098	20.85	21.50	1.161	0.114	/
	State5&6			Bottom Edge	10	507000	2535	1	1	0.08	0.186	20.82	21.50	1.169	0.218	/
	State5&6				10	507000	2535	135	68	0.18	0.184	20.85	21.50	1.161	0.214	/
Ant.0	State5&6	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	1	135	-0.06	0.119	17.92	18.50	1.143	0.136	/
	State5&6				10	507000	2535	135	68	-0.15	0.121	17.95	18.50	1.135	0.137	/
	State5&6			Back Side	10	507000	2535	1	135	0.18	0.119	17.92	18.50	1.143	0.136	/
	State5&6				10	507000	2535	135	68	-0.16	0.130	17.95	18.50	1.135	0.148	/
	State5&6			Left Edge	10	507000	2535	1	135	-0.03	0.143	17.92	18.50	1.143	0.163	/
	State5&6				10	507000	2535	135	68	0.07	0.145	17.95	18.50	1.135	0.165	/

	State5&6			Right Edge	10	507000	2535	1	135	0.10	0.045	17.92	18.50	1.143	0.051	/
	State5&6				10	507000	2535	135	68	-0.05	0.051	17.95	18.50	1.135	0.058	/
	State5&6			Bottom Edge	10	507000	2535	1	135	0.08	0.091	17.92	18.50	1.143	0.104	/
	State5&6				10	507000	2535	135	68	0.17	0.095	17.95	18.50	1.135	0.108	/
Ant.4	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	507000	2535	1	135	0.02	0.138	19.32	19.70	1.091	0.151	/
	State5&6				10	507000	2535	135	68	0.15	0.142	19.35	19.70	1.084	0.154	/
	State5&6			Back Side	10	507000	2535	1	135	0.12	0.549	19.32	19.70	1.091	**0.599**	51#
	State5&6				10	507000	2535	135	68	-0.07	0.551	19.35	19.70	1.084	0.597	/
	State5&6			Right Edge	10	507000	2535	1	135	0.17	0.281	19.32	19.70	1.091	0.307	/
	State5&6				10	507000	2535	135	68	0.12	0.289	19.35	19.70	1.084	0.313	/
	State5&6			Top Edge	10	507000	2535	1	135	-0.15	0.051	19.32	19.70	1.091	0.056	/
	State5&6				10	507000	2535	135	68	-0.14	0.053	19.35	19.70	1.084	0.057	/
Ant.4	State5&6	DFT-s-OFDM BPSK	NSA	Front Side	10	507000	2535	1	135	-0.09	0.085	17.38	17.70	1.076	0.091	/
	State5&6				10	507000	2535	135	68	0.03	0.093	17.36	17.70	1.081	0.101	/
	State5&6			Back Side	10	507000	2535	1	135	0.06	0.343	17.38	17.70	1.076	0.369	/
	State5&6				10	507000	2535	135	68	-0.15	0.350	17.36	17.70	1.081	0.379	/
	State5&6			Right Edge	10	507000	2535	1	135	-0.01	0.176	17.38	17.70	1.076	0.189	/
	State5&6				10	507000	2535	135	68	0.19	0.180	17.36	17.70	1.081	0.195	/
	State5&6			Top Edge	10	507000	2535	1	135	-0.03	0.032	17.38	17.70	1.076	0.034	/
	State5&6				10	507000	2535	135	68	0.01	0.036	17.36	17.70	1.081	0.039	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.21 NR n38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	39	0.18	0.372	18.22	19.00	1.197	0.445	/
	State1				0	519000	2595	36	0	0.03	0.384	18.27	19.00	1.183	0.454	/
	State1			Left Tilt	0	519000	2595	1	39	-0.16	0.279	18.22	19.00	1.197	0.334	/
	State1				0	519000	2595	36	0	-0.14	0.288	18.27	19.00	1.183	0.341	/
	State1			Right Cheek	0	519000	2595	1	39	0.18	0.812	18.22	19.00	1.197	0.972	/
	State1				0	517000	2585	1	39	-0.02	0.819	18.11	19.00	1.227	1.005	/
	State1				0	521000	2605	1	39	0.08	0.784	17.93	19.00	1.279	1.003	/
	State1				0	519000	2595	36	0	0.02	0.856	18.27	19.00	1.183	1.013	/
	State1				0	517000	2585	36	0	0.12	0.852	18.10	19.00	1.230	**1.048**	52#
	State1				0	521000	2605	36	0	-0.08	0.795	18.01	19.00	1.256	0.999	/
	State1				0	519000	2595	75	0	0.07	0.833	18.06	19.00	1.242	1.034	/
	State1			Right Tilt	0	519000	2595	1	39	0.05	0.664	18.22	19.00	1.197	0.795	/
	State1				0	517000	2585	36	39	-0.16	0.676	18.27	19.00	1.183	0.800	/
Ant.1	State2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	39	-0.02	0.288	17.19	18.00	1.205	0.347	/
	State2&3				0	519000	2595	36	0	0.11	0.311	17.22	18.00	1.197	0.372	/
	State2&3			Left Tilt	0	519000	2595	1	39	0.02	0.221	17.19	18.00	1.205	0.266	/
	State2&3				0	519000	2595	36	0	-0.04	0.226	17.22	18.00	1.197	0.270	/
	State2&3			Right Cheek	0	519000	2595	1	39	0.18	0.651	17.19	18.00	1.205	0.784	/
	State2&3				0	519000	2595	36	0	0.09	0.667	17.22	18.00	1.197	0.798	/
	State2&3			Right Tilt	0	519000	2595	1	39	0.08	0.542	17.19	18.00	1.205	0.653	/
	State2&3				0	519000	2595	36	0	-0.11	0.557	17.22	18.00	1.197	0.667	/
Ant.0	State1&2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	39	0.19	0.177	23.50	24.50	1.259	0.223	/
	State1&2&3				0	519000	2595	36	42	0.13	0.146	22.48	23.50	1.265	0.185	/
	State1&2&3			Left Tilt	0	519000	2595	1	39	0.12	0.099	23.50	24.50	1.259	0.125	/
	State1&2&3				0	519000	2595	36	42	0.17	0.080	22.48	23.50	1.265	0.101	/
	State1&2&3			Right Cheek	0	519000	2595	1	39	0.08	0.250	23.50	24.50	1.259	0.315	/
	State1&2&3				0	519000	2595	36	42	0.17	0.203	22.48	23.50	1.265	0.257	/
	State1&2&3			Right Tilt	0	519000	2595	1	39	0.01	0.094	23.50	24.50	1.259	0.118	/
	State1&2&3				0	519000	2595	36	42	0.06	0.073	22.48	23.50	1.265	0.092	/
Ant.4	State1	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	1	-0.02	0.338	19.94	20.70	1.191	0.403	/
	State1				0	519000	2595	36	0	-0.04	0.342	19.98	20.70	1.180	0.404	/
	State1			Left Tilt	0	519000	2595	1	1	0.15	0.158	19.94	20.70	1.191	0.188	/
	State1				0	519000	2595	36	0	0.09	0.161	19.98	20.70	1.180	0.190	/
	State1			Right Cheek	0	519000	2595	1	1	-0.02	0.640	19.94	20.70	1.191	0.762	/
	State1				0	519000	2595	36	0	0.08	0.646	19.98	20.70	1.180	0.762	/
	State1			Right Tilt	0	519000	2595	1	1	-0.15	0.275	19.94	20.70	1.191	0.328	/

	State1				0	519000	2595	36	0	0.00	0.279	19.98	20.70	1.180	0.329	/
Ant.4	State2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	519000	2595	1	39	-0.17	0.275	18.92	19.70	1.197	0.329	/
	State2&3				0	519000	2595	36	42	0.01	0.278	18.90	19.70	1.202	0.334	/
	State2&3			Left Tilt	0	519000	2595	1	39	-0.06	0.126	18.92	19.70	1.197	0.151	/
	State2&3				0	519000	2595	36	42	-0.03	0.128	18.90	19.70	1.202	0.154	/
	State2&3			Right Cheek	0	519000	2595	1	39	0.06	0.497	18.92	19.70	1.197	0.595	/
	State2&3				0	519000	2595	36	42	-0.10	0.506	18.90	19.70	1.202	0.608	/
	State2&3			Right Tilt	0	519000	2595	1	39	-0.09	0.219	18.92	19.70	1.197	0.262	/
	State2&3				0	519000	2595	36	42	0.17	0.224	18.90	19.70	1.202	0.269	/
Body-worn Accessory																
Ant.1	State4	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	39	-0.03	0.221	22.70	23.50	1.202	0.266	
	State4				15	519000	2595	36	0	0.00	0.228	22.73	23.50	1.194	0.272	
	State4			Back Side	15	519000	2595	1	39	-0.17	0.261	22.70	23.50	1.202	0.314	
	State4				15	519000	2595	36	0	0.14	0.266	22.73	23.50	1.194	**0.318**	53#
Ant.0	State4	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	39	0.11	0.132	22.29	23.50	1.321	0.174	
	State4				15	519000	2595	36	42	0.02	0.134	22.35	23.50	1.303	0.175	
	State4			Back Side	15	519000	2595	1	39	0.03	0.184	22.29	23.50	1.321	0.243	
	State4				15	519000	2595	36	42	0.06	0.190	22.35	23.50	1.303	0.248	
Ant.4	State4	DFT-s-OFDM BPSK	SA	Front Side	15	519000	2595	1	1	-0.09	0.102	19.94	20.70	1.191	0.122	
	State4				15	519000	2595	36	0	0.10	0.106	19.98	20.70	1.180	0.125	
	State4			Back Side	15	519000	2595	1	1	-0.04	0.260	19.94	20.70	1.191	0.310	
	State4				15	519000	2595	36	0	-0.17	0.266	19.98	20.70	1.180	0.314	
Hotspot																
Ant.1	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	39	0.02	0.335	21.04	22.00	1.247	0.418	/
	State5&6				10	519000	2595	36	0	0.15	0.344	21.06	22.00	1.242	0.427	/
	State5&6			Back Side	10	519000	2595	1	39	0.19	0.368	21.04	22.00	1.247	0.459	/
	State5&6				10	519000	2595	36	0	-0.19	0.375	21.06	22.00	1.242	0.466	/
	State5&6			Right Edge	10	519000	2595	1	39	0.00	0.369	21.04	22.00	1.247	0.460	/
	State5&6				10	519000	2595	36	0	-0.03	0.376	21.06	22.00	1.242	0.467	/
	State5&6			Top Edge	10	519000	2595	1	39	0.11	0.223	21.04	22.00	1.247	0.278	/
	State5&6				10	519000	2595	36	0	0.06	0.230	21.06	22.00	1.242	0.286	/
Ant.0	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	519000	2595	1	39	0.15	0.167	20.73	22.00	1.340	0.224	/
	State5&6				10	519000	2595	36	42	-0.15	0.177	20.76	22.00	1.330	0.235	/
	State5&6			Back Side	10	519000	2595	1	39	0.16	0.233	20.73	22.00	1.340	0.312	/
	State5&6				10	519000	2595	36	42	0.18	0.246	20.76	22.00	1.330	0.327	/
	State5&6			Left Edge	10	519000	2595	1	39	0.06	0.197	20.73	22.00	1.340	0.264	/
	State5&6				10	519000	2595	36	42	-0.02	0.204	20.76	22.00	1.330	0.271	/
	State5&6			Right Edge	10	519000	2595	1	39	-0.09	0.023	20.73	22.00	1.340	0.031	/
	State5&6				10	519000	2595	36	42	-0.13	0.024	20.76	22.00	1.330	0.032	/
	State5&6			Bottom Edge	10	519000	2595	1	39	-0.19	0.175	20.73	22.00	1.340	0.234	/
	State5&6				10	519000	2595	36	42	-0.06	0.181	20.76	22.00	1.330	0.241	/
Ant.4	State5&6	DFT-s-OFDM	SA	Front Side	10	519000	2595	1	1	-0.02	0.137	18.53	19.20	1.167	0.160	/
	State5&6				10	519000	2595	36	0	0.19	0.140	18.59	19.20	1.151	0.161	/

	State5&6	BPSK		Back Side	10	519000	2595	1	1	0.06	0.419	18.53	19.20	1.167	0.489	/
	State5&6				10	519000	2595	36	0	0.07	0.427	18.59	19.20	1.151	**0.491**	54#
	State5&6			Top Edge	10	519000	2595	1	1	-0.10	0.282	18.53	19.20	1.167	0.329	/
	State5&6				10	519000	2595	36	0	0.03	0.304	18.59	19.20	1.151	0.350	/
	State5&6			Top Edge	10	519000	2595	1	1	-0.15	0.073	18.53	19.20	1.167	0.085	/
	State5&6				10	519000	2595	36	0	0.17	0.076	18.59	19.20	1.151	0.087	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.22 NR n41 (100MHz Bandwidth)

Antenna	Power Reduction	Mode	Information	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.1	State1&2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	271	0.03	0.325	17.25	18.00	1.189	0.386	/
	State1&2&3				0	518598	2592.99	135	138	0.09	0.337	17.24	18.00	1.191	0.401	/
	State1&2&3			Left Tilt	0	518598	2592.99	1	271	0.13	0.292	17.25	18.00	1.189	0.347	/
	State1&2&3				0	518598	2592.99	135	138	-0.13	0.311	17.24	18.00	1.191	0.370	/
	State1&2&3			Right Cheek	0	518598	2592.99	1	271	-0.18	0.872	17.25	18.00	1.189	1.036	/
	State1&2&3				0	509202	2546.01	1	271	0.02	0.896	17.19	18.00	1.205	1.080	/
	State1&2&3				0	513900	2569.5	1	271	0.02	0.870	17.20	18.00	1.202	1.046	/
	State1&2&3				0	523302	2616.51	1	271	-0.04	0.869	17.14	18.00	1.219	1.059	/
	State1&2&3				0	528000	2640	1	271	0.10	0.885	17.23	18.00	1.194	1.057	/
	State1&2&3				0	518598	2592.99	135	138	0.16	0.884	17.24	18.00	1.191	1.053	/
	State1&2&3				0	509202	2546.01	135	138	-0.07	0.902	17.16	18.00	1.213	**1.094**	55#
	State1&2&3				0	513900	2569.5	135	138	-0.12	0.892	17.22	18.00	1.197	1.067	/
	State1&2&3				0	523302	2616.51	135	138	-0.19	0.873	17.16	18.00	1.213	1.059	/
	State1&2&3				0	528000	2640	135	138	0.05	0.893	17.18	18.00	1.208	1.079	/
	State1&2&3				0	518598	2592.99	270	1	0.05	0.883	17.32	18.00	1.169	1.033	/
	State1&2&3			Right Tilt	0	518598	2592.99	1	271	0.04	0.674	17.25	18.00	1.189	0.801	/
	State1&2&3				0	518598	2592.99	135	138	-0.16	0.687	17.24	18.00	1.191	0.818	/
Ant.0	State1&2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	0.08	0.149	23.37	24.50	1.297	0.193	/
	State1&2&3				0	518598	2592.99	135	0	-0.08	0.119	22.31	23.50	1.315	0.157	/
	State1&2&3			Left Tilt	0	518598	2592.99	1	1	0.00	0.082	23.37	24.50	1.297	0.106	/
	State1&2&3				0	518598	2592.99	135	0	-0.15	0.064	22.31	23.50	1.315	0.084	/
	State1&2&3			Right Cheek	0	518598	2592.99	1	1	0.18	0.196	23.37	24.50	1.297	0.254	/
	State1&2&3				0	518598	2592.99	135	0	0.13	0.156	22.31	23.50	1.315	0.205	/
	State1&2&3			Right Tilt	0	518598	2592.99	1	1	-0.16	0.090	23.37	24.50	1.297	0.117	/
	State1&2&3				0	518598	2592.99	135	0	0.05	0.069	22.31	23.50	1.315	0.091	/
ANT4	State1	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	-0.02	0.327	21.11	21.20	1.021	0.334	/
	State1				0	518598	2592.99	135	138	-0.18	0.333	21.11	21.20	1.021	0.340	/
	State1			Left Tilt	0	518598	2592.99	1	1	-0.15	0.169	21.11	21.20	1.021	0.173	/
	State1				0	518598	2592.99	135	138	0.04	0.175	21.11	21.20	1.021	0.179	/
	State1			Right Cheek	0	518598	2592.99	1	1	0.01	0.763	21.11	21.20	1.021	0.779	/
	State1				0	518598	2592.99	135	138	0.07	0.759	21.11	21.20	1.021	0.775	/
	State1			Right Tilt	0	518598	2592.99	1	1	-0.05	0.263	21.11	21.20	1.021	0.269	/
	State1				0	518598	2592.99	135	138	0.02	0.270	21.11	21.20	1.021	0.276	/
ANT4	State2&3	DFT-s-OFDM BPSK	SA	Left Cheek	0	518598	2592.99	1	1	0.01	0.260	20.08	20.20	1.028	0.267	/
	State2&3				0	518598	2592.99	135	138	0.03	0.266	20.10	20.20	1.023	0.272	/
	State2&3			Left Tilt	0	518598	2592.99	1	1	-0.19	0.132	20.08	20.20	1.028	0.136	/

	State2&3				0	518598	2592.99	135	138	-0.06	0.141	20.10	20.20	1.023	0.144	/
	State2&3			Right Cheek	0	518598	2592.99	1	1	-0.01	0.619	20.08	20.20	1.028	0.636	/
	State2&3				0	518598	2592.99	135	138	-0.03	0.624	20.10	20.20	1.023	0.639	/
	State2&3			Right Tilt	0	518598	2592.99	1	1	-0.14	0.203	20.08	20.20	1.028	0.209	/
	State2&3				0	518598	2592.99	135	138	0.07	0.217	20.10	20.20	1.023	0.222	/
Body-worn Accessory																
Ant.1	State4	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	271	-0.08	0.164	22.12	23.00	1.225	0.201	/
	State4				15	518598	2592.99	135	138	0.08	0.166	22.15	23.00	1.216	0.202	/
	State4			Back Side	15	518598	2592.99	1	271	0.03	0.172	22.12	23.00	1.225	0.211	/
	State4				15	518598	2592.99	135	138	-0.10	0.179	22.15	23.00	1.216	0.218	/
Ant.0	State4	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	1	0.19	0.110	22.28	23.50	1.324	0.146	/
	State4				15	518598	2592.99	135	0	0.10	0.113	22.26	23.50	1.330	0.150	/
	State4			Back Side	15	518598	2592.99	1	1	-0.07	0.198	22.21	23.50	1.346	0.266	/
	State4				15	518598	2592.99	135	0	-0.18	0.204	22.26	23.50	1.330	**0.271**	56#
ANT4	State4	DFT-s-OFDM BPSK	SA	Front Side	15	518598	2592.99	1	1	-0.05	0.100	21.11	21.20	1.021	0.102	/
	State4				15	518598	2592.99	135	138	-0.09	0.108	21.11	21.20	1.021	0.110	/
	State4			Back Side	15	518598	2592.99	1	1	-0.10	0.246	21.11	21.20	1.021	0.251	/
	State4				15	518598	2592.99	135	138	0.14	0.253	21.11	21.20	1.021	0.258	/
Hotspot																
Ant.1	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	271	0.15	0.474	20.71	21.50	1.199	0.569	/
	State5&6				10	518598	2592.99	135	138	0.07	0.494	20.69	21.50	1.205	0.595	/
	State5&6			Back Side	10	518598	2592.99	1	271	-0.04	0.509	20.71	21.50	1.199	0.611	/
	State5&6				10	518598	2592.99	135	138	-0.09	0.513	20.69	21.50	1.205	0.618	/
	State5&6			Right Edge	10	518598	2592.99	1	271	-0.02	0.345	20.71	21.50	1.199	0.414	/
	State5&6				10	518598	2592.99	135	138	0.11	0.386	20.69	21.50	1.205	0.465	/
	State5&6			Top Edge	10	518598	2592.99	1	271	0.01	0.346	20.71	21.50	1.199	0.415	/
	State5&6				10	518598	2592.99	135	138	0.13	0.358	20.69	21.50	1.205	0.431	/
Ant.0	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	1	0.05	0.161	21.12	22.00	1.225	0.197	/
	State5&6				10	518598	2592.99	135	0	0.11	0.166	21.09	22.00	1.233	0.205	/
	State5&6			Back Side	10	518598	2592.99	1	1	-0.05	0.227	21.12	22.00	1.225	0.278	/
	State5&6				10	518598	2592.99	135	0	-0.05	0.232	21.09	22.00	1.233	0.286	/
	State5&6			Left Edge	10	518598	2592.99	1	1	-0.13	0.181	21.12	22.00	1.225	0.222	/
	State5&6				10	518598	2592.99	135	0	-0.14	0.187	21.09	22.00	1.233	0.231	/
	State5&6			Right Edge	10	518598	2592.99	1	1	0.19	0.037	21.12	22.00	1.225	0.045	/
	State5&6				10	518598	2592.99	135	0	-0.05	0.043	21.09	22.00	1.233	0.053	/
	State5&6			Bottom Edge	10	518598	2592.99	1	1	0.15	0.149	21.12	22.00	1.225	0.182	/
	State5&6				10	518598	2592.99	135	0	-0.19	0.157	21.09	22.00	1.233	0.194	/
Ant.4	State5&6	DFT-s-OFDM BPSK	SA	Front Side	10	518598	2592.99	1	1	-0.15	0.152	19.35	19.70	1.084	0.165	/
	State5&6				10	518598	2592.99	135	138	-0.08	0.156	19.34	19.70	1.086	0.169	/
	State5&6			Back Side	10	518598	2592.99	1	1	0.15	0.659	19.35	19.70	1.084	0.714	/
	State5&6				10	518598	2592.99	135	138	0.00	0.665	19.34	19.70	1.086	**0.722**	57#
	State5&6			Right Edge	10	518598	2592.99	1	1	-0.11	0.341	19.35	19.70	1.084	0.370	/
	State5&6				10	518598	2592.99	135	138	0.05	0.359	19.34	19.70	1.086	0.390	/

	State5&6			Top Edge	10	518598	2592.99	1	1	-0.14	0.076	19.35	19.70	1.084	0.082	/
	State5&6				10	518598	2592.99	135	138	0.17	0.081	19.34	19.70	1.086	0.088	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.23 WIFI 2.4GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g 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.7	State1	802.11 b	Left Cheek	0	6	2437	0.13	0.760	15.64	16.50	1.219	99.47	1.005	0.931	/
	State1			0	1	2412	-0.01	0.724	15.53	16.50	1.250	99.47	1.005	0.910	/
	State1			0	11	2462	-0.15	0.729	15.60	16.50	1.230	99.47	1.005	0.902	/
	State1		Left Tilt	0	6	2437	0.06	0.809	15.64	16.50	1.219	99.47	1.005	**0.991**	58#
	State1			0	1	2412	0.13	0.762	15.53	16.50	1.250	99.47	1.005	0.958	/
	State1			0	11	2462	0.19	0.779	15.60	16.50	1.230	99.47	1.005	0.963	/
	State1		Right Cheek	0	6	2437	-0.08	0.342	15.64	16.50	1.219	99.47	1.005	0.419	/
	State1		Right Tilt	0	6	2437	0.07	0.472	15.64	16.50	1.219	99.47	1.005	0.578	/
Ant.7	State2	802.11 b	Left Cheek	0	6	2437	0.18	0.293	11.63	13.50	1.538	99.47	1.005	0.453	/
	State2		Left Tilt	0	6	2437	-0.08	0.321	11.63	13.50	1.538	99.47	1.005	0.496	/
	State2		Right Cheek	0	6	2437	0.11	0.136	11.63	13.50	1.538	99.47	1.005	0.210	/
	State2		Right Tilt	0	6	2437	-0.12	0.188	11.63	13.50	1.538	99.47	1.005	0.291	/
Body-worn Accessory															
Ant.7	State3	802.11 b	Front Side	15	6	2437	0.14	0.092	18.14	20.00	1.535	99.47	1.005	0.142	/
	State3		Back Side	15	6	2437	0.14	0.119	18.14	20.00	1.535	99.47	1.005	**0.184**	59#
Hotspot															
Ant.7	State3	802.11 b	Front Side	10	6	2437	0.16	0.236	18.14	20.00	1.535	99.47	1.005	0.364	/
	State3		Back Side	10	6	2437	0.15	0.361	18.14	20.00	1.535	99.47	1.005	**0.557**	60#
	State3		Left Edge	10	6	2437	0.07	0.218	18.14	20.00	1.535	99.47	1.005	0.336	/
	State3		Top Edge	10	6	2437	0.07	0.294	18.14	20.00	1.535	99.47	1.005	0.454	/
Ant.7	State4	802.11 b	Front Side	10	6	2437	-0.03	0.132	15.64	16.50	1.219	99.47	1.005	0.162	/
	State4		Back Side	10	6	2437	-0.04	0.202	15.64	16.50	1.219	99.47	1.005	0.248	/
	State4		Left Edge	10	6	2437	-0.10	0.126	15.64	16.50	1.219	99.47	1.005	0.154	/
	State4		Top Edge	10	6	2437	0.04	0.164	15.64	16.50	1.219	99.47	1.005	0.201	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.24 WIFI 5GHz

Antenna	Power Reduction	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g 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.7	State1	5.3G	802.11ac (VHT80)	Left Cheek	0	58	5290	0.15	0.629	13.17	14.00	1.211	90.12	1.110	0.845	/
	State1			Left Tilt	0	58	5290	-0.09	0.802	13.17	14.00	1.211	90.12	1.110	**1.077**	61#
	State1			Right Cheek	0	58	5290	-0.12	0.254	13.17	14.00	1.211	90.12	1.110	0.341	/
	State1			Right Tilt	0	58	5290	-0.05	0.265	13.17	14.00	1.211	90.12	1.110	0.356	/
Ant.7	State2	5.3G	802.11ac (VHT80)	Left Cheek	0	58	5290	0.12	0.244	9.22	10.50	1.343	90.12	1.110	0.364	/
	State2			Left Tilt	0	58	5290	-0.03	0.329	9.22	10.50	1.343	90.12	1.110	0.490	/
	State2			Right Cheek	0	58	5290	0.12	0.100	9.22	10.50	1.343	90.12	1.110	0.149	/
	State2			Right Tilt	0	58	5290	-0.13	0.103	9.22	10.50	1.343	90.12	1.110	0.153	/
Ant.7	State1	5.6G	802.11ac (VHT80)	Left Cheek	0	106	5530	-0.01	0.792	13.09	14.00	1.233	90.12	1.110	1.084	/
	State1				0	122	5610	0.12	0.758	13.03	14.00	1.250	90.12	1.110	1.052	/
	State1			Left Tilt	0	106	5530	0.04	0.872	13.09	14.00	1.233	90.12	1.110	**1.193**	62#
	State1				0	122	5610	-0.03	0.849	13.03	14.00	1.250	90.12	1.110	1.178	/
	State1			Right Cheek	0	106	5530	-0.05	0.372	13.09	14.00	1.233	90.12	1.110	0.509	/
	State1			Right Tilt	0	106	5530	0.08	0.400	13.09	14.00	1.233	90.12	1.110	0.547	/
Ant.7	State2	5.6G	802.11ac (VHT80)	Left Cheek	0	138	5690	0.12	0.320	9.17	10.50	1.358	90.12	1.110	0.482	/
	State2			Left Tilt	0	138	5690	0.06	0.336	9.17	10.50	1.358	90.12	1.110	0.506	/
	State2			Right Cheek	0	138	5690	-0.04	0.147	9.17	10.50	1.358	90.12	1.110	0.222	/
	State2			Right Tilt	0	138	5690	0.10	0.164	9.17	10.50	1.358	90.12	1.110	0.247	/
Ant.7	State1	5.8G	802.11ac (VHT80)	Left Cheek	0	155	5775	-0.12	0.342	13.11	14.00	1.227	90.12	1.110	0.466	/
	State1			Left Tilt	0	155	5775	-0.07	0.399	13.11	14.00	1.227	90.12	1.110	**0.543**	63#
	State1			Right Cheek	0	155	5775	0.12	0.162	13.11	14.00	1.227	90.12	1.110	0.221	/
	State1			Right Tilt	0	155	5775	0.01	0.173	13.11	14.00	1.227	90.12	1.110	0.236	/
Ant.7	State2	5.8G	802.11ac (VHT80)	Left Cheek	0	155	5775	-0.12	0.132	9.16	10.50	1.361	90.12	1.110	0.199	/
	State2			Left Tilt	0	155	5775	0.06	0.157	9.16	10.50	1.361	90.12	1.110	0.237	/
	State2			Right Cheek	0	155	5775	-0.15	0.066	9.16	10.50	1.361	90.12	1.110	0.100	/
	State2			Right Tilt	0	155	5775	-0.12	0.069	9.16	10.50	1.361	90.12	1.110	0.104	/
Body-worn Accessory																
Ant.7	State3	5.3G	802.11ac (VHT80)	Front Side	15	58	5290	0.05	0.077	15.23	17.00	1.503	90.12	1.110	0.129	/
	State3			Back Side	15	58	5290	0.10	0.168	15.23	17.00	1.503	90.12	1.110	**0.280**	64#
Ant.7	State3	5.6G	802.11ac (VHT80)	Front Side	15	106	5530	-0.03	0.076	15.19	17.00	1.517	90.12	1.110	0.128	/
	State3			Back Side	15	106	5530	0.00	0.199	15.19	17.00	1.517	90.12	1.110	**0.335**	65#
Ant.7	State3	5.8G	802.11ac (VHT80)	Front Side	15	155	5775	-0.09	0.049	15.08	17.00	1.556	90.12	1.110	0.085	/
	State3			Back Side	15	155	5775	0.18	0.155	15.08	17.00	1.556	90.12	1.110	**0.268**	66#
Hotspot																
Ant.7	State3	5.2G	802.11ac (VHT80)	Front Side	10	42	5210	-0.09	0.222	15.13	17.00	1.538	90.12	1.110	0.379	/
	State3			Back Side	10	42	5210	-0.02	0.379	15.13	17.00	1.538	90.12	1.110	0.647	/

	State3			Left Edge	10	42	5210	0.11	0.409	15.13	17.00	1.538	90.12	1.110	**0.698**	67#
	State3			Top Edge	10	42	5210	0.10	0.383	15.13	17.00	1.538	90.12	1.110	0.654	/
Ant.7	State4	5.2G	802.11ac (VHT80)	Front Side	10	42	5210	-0.13	0.109	12.17	13.00	1.211	90.12	1.110	0.146	/
	State4			Back Side	10	42	5210	-0.02	0.192	12.17	13.00	1.211	90.12	1.110	0.258	/
	State4			Left Edge	10	42	5210	0.04	0.199	12.17	13.00	1.211	90.12	1.110	0.267	/
	State4			Top Edge	10	42	5210	0.07	0.186	12.17	13.00	1.211	90.12	1.110	0.250	/
Ant.7	State3	5.8G	802.11ac (VHT80)	Front Side	10	155	5775	-0.07	0.273	15.08	17.00	1.556	90.12	1.110	0.471	/
	State3			Back Side	10	155	5775	0.10	0.374	15.08	17.00	1.556	90.12	1.110	0.646	/
	State3			Left Edge	10	155	5775	0.03	0.417	15.08	17.00	1.556	90.12	1.110	**0.720**	68#
	State3			Top Edge	10	155	5775	-0.12	0.272	15.08	17.00	1.556	90.12	1.110	0.470	/
Ant.7	State4	5.8G	802.11ac (VHT80)	Front Side	10	155	5775	0.19	0.136	12.11	13.00	1.227	90.12	1.110	0.185	/
	State4			Back Side	10	155	5775	-0.08	0.187	12.11	13.00	1.227	90.12	1.110	0.255	/
	State4			Left Edge	10	155	5775	0.05	0.209	12.11	13.00	1.227	90.12	1.110	0.285	/
	State4			Top Edge	10	155	5775	0.12	0.135	12.11	13.00	1.227	90.12	1.110	0.184	/

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

Antenna	Power Reduction	Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g 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.7	State3	5.3G	802.11ac (VHT80)	Front Side	0	58	5290	-0.11	1.110	15.23	17.00	1.503	90.12	1.110	1.851	/
	State3			Back Side	0	58	5290	-0.04	1.040	15.23	17.00	1.503	90.12	1.110	1.735	/
	State3			Left Edge	0	58	5290	0.00	1.160	15.23	17.00	1.503	90.12	1.110	**1.935**	69#
	State3			Top Edge	0	58	5290	-0.03	0.735	15.23	17.00	1.503	90.12	1.110	1.226	/
Ant.7	State4	5.3G	802.11ac (VHT80)	Front Side	0	58	5290	0.10	0.556	12.08	13.00	1.236	90.12	1.110	0.763	/
	State4			Back Side	0	58	5290	-0.03	0.512	12.08	13.00	1.236	90.12	1.110	0.702	/
	State4			Left Edge	0	58	5290	0.16	0.531	12.08	13.00	1.236	90.12	1.110	0.728	/
	State4			Top Edge	0	58	5290	-0.16	0.374	12.08	13.00	1.236	90.12	1.110	0.513	/
Ant.7	State3	5.6G	802.11ac (VHT80)	Front Side	0	106	5530	-0.11	1.020	15.19	17.00	1.517	90.12	1.110	1.717	/
	State3			Back Side	0	106	5530	0.13	0.948	15.19	17.00	1.517	90.12	1.110	1.596	/
	State3			Left Edge	0	106	5530	0.02	1.080	15.19	17.00	1.517	90.12	1.110	**1.818**	70#
	State3			Top Edge	0	106	5530	-0.07	0.712	15.19	17.00	1.517	90.12	1.110	1.199	/
Ant.7	State4	5.6G	802.11ac (VHT80)	Front Side	0	106	5530	0.11	0.520	12.14	13.00	1.219	90.12	1.110	0.703	/
	State4			Back Side	0	106	5530	0.17	0.490	12.14	13.00	1.219	90.12	1.110	0.663	/
	State4			Left Edge	0	106	5530	0.17	0.524	12.14	13.00	1.219	90.12	1.110	0.709	/
	State4			Top Edge	0	106	5530	0.10	0.355	12.14	13.00	1.219	90.12	1.110	0.480	/

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

10.25 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g 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.7	DH5	Front Side	15	39	2441	-0.01	0.027	9.98	11.00	1.265	76.68	1.304	0.045	/
		Back Side	15	39	2441	0.07	0.033	9.98	11.00	1.265	76.68	1.304	**0.053**	71#
		Front Side	15	39	2441	-0.01	0.027	9.98	11.00	1.265	76.68	1.304	0.045	/
		Back Side	15	39	2441	0.07	0.033	9.98	11.00	1.265	76.68	1.304	**0.053**	71#
Body-worn Accessory														
Ant.7	DH5	Front Side	15	39	2441	-0.01	0.027	9.98	11.00	1.265	76.68	1.304	0.045	/
		Back Side	15	39	2441	0.07	0.033	9.98	11.00	1.265	76.68	1.304	**0.053**	72#
Hotspot														
Ant.7	DH5	Front Side	10	39	2441	-0.13	0.035	9.98	11.00	1.265	76.68	1.304	0.058	/
		Back Side	10	39	2441	0.13	0.078	9.98	11.00	1.265	76.68	1.304	**0.129**	73#
		Left Edge	10	39	2441	0.17	0.042	9.98	11.00	1.265	76.68	1.304	0.069	/
		Top Edge	10	39	2441	-0.08	0.055	9.98	11.00	1.265	76.68	1.304	0.091	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10, the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is >= 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20, or when the original or repeated measurement is >= 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20, and the original, first or second repeated measurement is >= 1.5 W/kg, perform a third repeated measurement.

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
836.6	GSM 850	Head	Right Cheek	0.811	Yes	0.792	1.024
1880.0	GSM 1900	Head	Right Tilt	0.967	Yes	0.935	1.034
1752.6	WCDMA Band 4	Head	Right Tilt	0.887	Yes	0.864	1.027
1745	LTE Band 4	Head	Right Tilt	0.868	Yes	0.836	1.038
1720	LTE Band 66	Head	Right Tilt	0.851	Yes	0.829	1.027
2610	LTE Band 38	Head	Right Cheek	0.838	Yes	0.813	1.031
2585	NR n38	Head	Right Cheek	0.852	Yes	0.827	1.030
2546.01	NR n41	Head	Right Cheek	0.902	Yes	0.884	1.020
2437	WIFI 2.4GHz	Head	Left Tilt	0.809	Yes	0.776	1.043
5290	WIFI 5.3GHz	Head	Left Tilt	0.802	Yes	0.771	1.040
5530	WIFI 5.6GHz	Head	Left Tilt	0.872	Yes	0.854	1.021
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-worn	Hotspot
1	GSM + WiFi 2.4G	Yes	Yes	Yes
2	WCDMA + WiFi 2.4G	Yes	Yes	Yes
3	LTE + WiFi 2.4G	Yes	Yes	Yes
4	NR + WiFi 2.4G	Yes	Yes	Yes
5	GSM + 5G WIFI + Bluetooth	Yes	Yes	Yes
6	WCDMA + 5G WIFI + Bluetooth	Yes	Yes	Yes
7	LTE + 5G WIFI + Bluetooth	Yes	Yes	Yes
8	NR + 5G WIFI + Bluetooth	Yes	Yes	Yes

Note:

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

12.2 Sum SAR of Simultaneous Transmission

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

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4G WIFI	5.G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+4)
GSM850	Ant.1	Left Cheek	0.594	0.453	0.482	0.321	1.047	1.397
	Ant.1	Left Tilt	0.585	0.496	0.506	0.216	1.081	1.307
	Ant.1	Right Cheek	0.871	0.210	0.222	0.124	1.081	1.217
	Ant.1	Right Tilt	0.732	0.291	0.247	0.152	1.023	1.132
GSM850	Ant.0	Left Cheek	0.153	0.453	0.482	0.321	0.606	0.956
	Ant.0	Left Tilt	0.077	0.496	0.506	0.216	0.573	0.799
	Ant.0	Right Cheek	0.114	0.210	0.222	0.124	0.324	0.459
	Ant.0	Right Tilt	0.062	0.291	0.247	0.152	0.353	0.461
GSM 1900	Ant.1	Left Cheek	0.532	0.453	0.482	0.321	0.985	1.335
	Ant.1	Left Tilt	0.679	0.496	0.506	0.216	1.175	1.401
	Ant.1	Right Cheek	0.782	0.210	0.222	0.124	0.992	1.128
	Ant.1	Right Tilt	0.896	0.291	0.247	0.152	1.187	1.295
GSM 1900	Ant.0	Left Cheek	0.063	0.453	0.482	0.321	0.516	0.867
	Ant.0	Left Tilt	0.048	0.496	0.506	0.216	0.544	0.770
	Ant.0	Right Cheek	0.046	0.210	0.222	0.124	0.256	0.391
	Ant.0	Right Tilt	0.049	0.291	0.247	0.152	0.340	0.448
WCDMA B2	Ant.1	Left Cheek	0.413	0.453	0.482	0.321	0.867	1.217
	Ant.1	Left Tilt	0.496	0.496	0.506	0.216	0.993	1.219
	Ant.1	Right Cheek	0.601	0.210	0.222	0.124	0.812	0.947
	Ant.1	Right Tilt	0.646	0.291	0.247	0.152	0.937	1.045
WCDMA B2	Ant.0	Left Cheek	0.091	0.453	0.482	0.321	0.544	0.895
	Ant.0	Left Tilt	0.070	0.496	0.506	0.216	0.566	0.792
	Ant.0	Right Cheek	0.065	0.210	0.222	0.124	0.276	0.411
	Ant.0	Right Tilt	0.073	0.291	0.247	0.152	0.363	0.472
WCDMA B4	Ant.1	Left Cheek	0.447	0.453	0.482	0.321	0.900	1.250
	Ant.1	Left Tilt	0.535	0.496	0.506	0.216	1.031	1.257
	Ant.1	Right Cheek	0.578	0.210	0.222	0.124	0.788	0.923
	Ant.1	Right Tilt	0.793	0.291	0.247	0.152	1.084	1.192
WCDMA B4	Ant.0	Left Cheek	0.139	0.453	0.482	0.321	0.592	0.942
	Ant.0	Left Tilt	0.059	0.496	0.506	0.216	0.555	0.781
	Ant.0	Right Cheek	0.085	0.210	0.222	0.124	0.295	0.431
	Ant.0	Right Tilt	0.071	0.291	0.247	0.152	0.362	0.470
WCDMA B5	Ant.1	Left Cheek	0.505	0.453	0.482	0.321	0.958	1.308
	Ant.1	Left Tilt	0.477	0.496	0.506	0.216	0.973	1.199

	Ant.1	Right Cheek	0.725	0.210	0.222	0.124	0.935	1.071
	Ant.1	Right Tilt	0.469	0.291	0.247	0.152	0.759	0.868
WCDMA B5	Ant.0	Left Cheek	0.201	0.453	0.482	0.321	0.654	1.005
	Ant.0	Left Tilt	0.112	0.496	0.506	0.216	0.608	0.834
	Ant.0	Right Cheek	0.167	0.210	0.222	0.124	0.377	0.512
	Ant.0	Right Tilt	0.096	0.291	0.247	0.152	0.386	0.495
LTE B2	Ant.1	Left Cheek	0.392	0.453	0.482	0.321	0.845	1.195
	Ant.1	Left Tilt	0.493	0.496	0.506	0.216	0.989	1.215
	Ant.1	Right Cheek	0.542	0.210	0.222	0.124	0.753	0.888
	Ant.1	Right Tilt	0.703	0.291	0.247	0.152	0.994	1.103
LTE B2	Ant.0	Left Cheek	0.102	0.453	0.482	0.321	0.555	0.905
	Ant.0	Left Tilt	0.062	0.496	0.506	0.216	0.558	0.784
	Ant.0	Right Cheek	0.071	0.210	0.222	0.124	0.282	0.417
	Ant.0	Right Tilt	0.075	0.291	0.247	0.152	0.365	0.474
LTE B4	Ant.1	Left Cheek	0.664	0.453	0.482	0.321	1.117	**1.467**
	Ant.1	Left Tilt	0.734	0.496	0.506	0.216	1.231	1.457
	Ant.1	Right Cheek	0.842	0.210	0.222	0.124	1.052	1.188
	Ant.1	Right Tilt	0.985	0.291	0.247	0.152	1.276	1.384
LTE B4	Ant.0	Left Cheek	0.116	0.453	0.482	0.321	0.569	0.919
	Ant.0	Left Tilt	0.046	0.496	0.506	0.216	0.542	0.768
	Ant.0	Right Cheek	0.075	0.210	0.222	0.124	0.285	0.420
	Ant.0	Right Tilt	0.055	0.291	0.247	0.152	0.346	0.454
LTE B5	Ant.1	Left Cheek	0.486	0.453	0.482	0.321	0.939	1.289
	Ant.1	Left Tilt	0.398	0.496	0.506	0.216	0.895	1.121
	Ant.1	Right Cheek	0.681	0.210	0.222	0.124	0.891	1.026
	Ant.1	Right Tilt	0.511	0.291	0.247	0.152	0.801	0.910
LTE B5	Ant.0	Left Cheek	0.204	0.453	0.482	0.321	0.657	1.007
	Ant.0	Left Tilt	0.114	0.496	0.506	0.216	0.611	0.837
	Ant.0	Right Cheek	0.171	0.210	0.222	0.124	0.382	0.517
	Ant.0	Right Tilt	0.091	0.291	0.247	0.152	0.381	0.490
LTE B7	Ant.1	Left Cheek	0.248	0.453	0.482	0.321	0.701	1.051
	Ant.1	Left Tilt	0.266	0.496	0.506	0.216	0.762	0.988
	Ant.1	Right Cheek	0.547	0.210	0.222	0.124	0.757	0.892
	Ant.1	Right Tilt	0.499	0.291	0.247	0.152	0.790	0.898
LTE B7	Ant.0	Left Cheek	0.114	0.453	0.482	0.321	0.567	0.917
	Ant.0	Left Tilt	0.071	0.496	0.506	0.216	0.567	0.793
	Ant.0	Right Cheek	0.228	0.210	0.222	0.124	0.438	0.574
	Ant.0	Right Tilt	0.096	0.291	0.247	0.152	0.387	0.495
LTE B7	Ant.4	Left Cheek	0.357	0.453	0.482	0.321	0.810	1.160
	Ant.4	Left Tilt	0.154	0.496	0.506	0.216	0.651	0.877
	Ant.4	Right Cheek	0.621	0.210	0.222	0.124	0.832	0.967
	Ant.4	Right Tilt	0.301	0.291	0.247	0.152	0.592	0.700
LTE B12	Ant.1	Left Cheek	0.460	0.453	0.482	0.321	0.914	1.264

	Ant.1	Left Tilt	0.432	0.496	0.506	0.216	0.928	1.154
	Ant.1	Right Cheek	0.546	0.210	0.222	0.124	0.756	0.892
	Ant.1	Right Tilt	0.414	0.291	0.247	0.152	0.705	0.813
LTE B12	Ant.0	Left Cheek	0.133	0.453	0.482	0.321	0.586	0.936
	Ant.0	Left Tilt	0.062	0.496	0.506	0.216	0.558	0.784
	Ant.0	Right Cheek	0.108	0.210	0.222	0.124	0.318	0.453
	Ant.0	Right Tilt	0.053	0.291	0.247	0.152	0.344	0.452
LTE B17	Ant.1	Left Cheek	0.410	0.453	0.482	0.321	0.863	1.214
	Ant.1	Left Tilt	0.350	0.496	0.506	0.216	0.847	1.073
	Ant.1	Right Cheek	0.658	0.210	0.222	0.124	0.868	1.003
	Ant.1	Right Tilt	0.579	0.291	0.247	0.152	0.869	0.978
LTE B17	Ant.0	Left Cheek	0.154	0.453	0.482	0.321	0.607	0.957
	Ant.0	Left Tilt	0.073	0.496	0.506	0.216	0.569	0.795
	Ant.0	Right Cheek	0.120	0.210	0.222	0.124	0.330	0.465
	Ant.0	Right Tilt	0.087	0.291	0.247	0.152	0.378	0.486
LTE B26	Ant.1	Left Cheek	0.487	0.453	0.482	0.321	0.941	1.291
	Ant.1	Left Tilt	0.470	0.496	0.506	0.216	0.966	1.192
	Ant.1	Right Cheek	0.637	0.210	0.222	0.124	0.847	0.983
	Ant.1	Right Tilt	0.560	0.291	0.247	0.152	0.851	0.960
LTE B26	Ant.0	Left Cheek	0.174	0.453	0.482	0.321	0.627	0.978
	Ant.0	Left Tilt	0.090	0.496	0.506	0.216	0.586	0.812
	Ant.0	Right Cheek	0.151	0.210	0.222	0.124	0.361	0.496
	Ant.0	Right Tilt	0.073	0.291	0.247	0.152	0.364	0.473
LTE B66	Ant.1	Left Cheek	0.461	0.453	0.482	0.321	0.914	1.265
	Ant.1	Left Tilt	0.543	0.496	0.506	0.216	1.040	1.266
	Ant.1	Right Cheek	0.620	0.210	0.222	0.124	0.830	0.966
	Ant.1	Right Tilt	0.761	0.291	0.247	0.152	1.052	1.161
LTE B66	Ant.0	Left Cheek	0.120	0.453	0.482	0.321	0.573	0.923
	Ant.0	Left Tilt	0.045	0.496	0.506	0.216	0.541	0.767
	Ant.0	Right Cheek	0.083	0.210	0.222	0.124	0.294	0.429
	Ant.0	Right Tilt	0.057	0.291	0.247	0.152	0.348	0.456
LTE B38	Ant.1	Left Cheek	0.277	0.453	0.482	0.321	0.730	1.081
	Ant.1	Left Tilt	0.243	0.496	0.506	0.216	0.740	0.966
	Ant.1	Right Cheek	0.646	0.210	0.222	0.124	0.856	0.991
	Ant.1	Right Tilt	0.535	0.291	0.247	0.152	0.826	0.934
LTE B38	Ant.0	Left Cheek	0.132	0.453	0.482	0.321	0.585	0.936
	Ant.0	Left Tilt	0.077	0.496	0.506	0.216	0.574	0.800
	Ant.0	Right Cheek	0.251	0.210	0.222	0.124	0.461	0.596
	Ant.0	Right Tilt	0.106	0.291	0.247	0.152	0.397	0.505
LTE B38	Ant.4	Left Cheek	0.351	0.453	0.482	0.321	0.804	1.154
	Ant.4	Left Tilt	0.203	0.496	0.506	0.216	0.699	0.925
	Ant.4	Right Cheek	0.606	0.210	0.222	0.124	0.816	0.952
	Ant.4	Right Tilt	0.339	0.291	0.247	0.152	0.629	0.738

LTE B41	Ant.1	Left Cheek	0.211	0.453	0.482	0.321	0.664	1.015
	Ant.1	Left Tilt	0.204	0.496	0.506	0.216	0.700	0.926
	Ant.1	Right Cheek	0.643	0.210	0.222	0.124	0.853	0.989
	Ant.1	Right Tilt	0.490	0.291	0.247	0.152	0.781	0.890
LTE B41	Ant.0	Left Cheek	0.134	0.453	0.482	0.321	0.587	0.937
	Ant.0	Left Tilt	0.077	0.496	0.506	0.216	0.573	0.799
	Ant.0	Right Cheek	0.254	0.210	0.222	0.124	0.464	0.600
	Ant.0	Right Tilt	0.090	0.291	0.247	0.152	0.381	0.489
LTE B41	Ant.4	Left Cheek	0.436	0.453	0.482	0.321	0.889	1.239
	Ant.4	Left Tilt	0.243	0.496	0.506	0.216	0.739	0.965
	Ant.4	Right Cheek	0.704	0.210	0.222	0.124	0.915	1.050
	Ant.4	Right Tilt	0.298	0.291	0.247	0.152	0.589	0.698
N5	Ant.1	Left Cheek	0.471	0.453	0.482	0.321	0.924	1.274
	Ant.1	Left Tilt	0.425	0.496	0.506	0.216	0.922	1.148
	Ant.1	Right Cheek	0.613	0.210	0.222	0.124	0.823	0.958
	Ant.1	Right Tilt	0.547	0.291	0.247	0.152	0.838	0.947
N5	Ant.0	Left Cheek	0.096	0.453	0.482	0.321	0.549	0.900
	Ant.0	Left Tilt	0.057	0.496	0.506	0.216	0.553	0.779
	Ant.0	Right Cheek	0.062	0.210	0.222	0.124	0.272	0.407
	Ant.0	Right Tilt	0.043	0.291	0.247	0.152	0.334	0.442
N7	Ant.1	Left Cheek	0.269	0.453	0.482	0.321	0.722	1.073
	Ant.1	Left Tilt	0.218	0.496	0.506	0.216	0.714	0.940
	Ant.1	Right Cheek	0.658	0.210	0.222	0.124	0.869	1.004
	Ant.1	Right Tilt	0.560	0.291	0.247	0.152	0.851	0.960
N7	Ant.0	Left Cheek	0.192	0.453	0.482	0.321	0.645	0.995
	Ant.0	Left Tilt	0.125	0.496	0.506	0.216	0.622	0.848
	Ant.0	Right Cheek	0.304	0.210	0.222	0.124	0.514	0.649
	Ant.0	Right Tilt	0.136	0.291	0.247	0.152	0.426	0.535
N7	Ant.4	Left Cheek	0.349	0.453	0.482	0.321	0.802	1.152
	Ant.4	Left Tilt	0.134	0.496	0.506	0.216	0.630	0.856
	Ant.4	Right Cheek	0.625	0.210	0.222	0.124	0.835	0.971
	Ant.4	Right Tilt	0.277	0.291	0.247	0.152	0.568	0.676
N38	Ant.1	Left Cheek	0.332	0.453	0.482	0.321	0.785	1.135
	Ant.1	Left Tilt	0.241	0.496	0.506	0.216	0.737	0.963
	Ant.1	Right Cheek	0.711	0.210	0.222	0.124	0.922	1.057
	Ant.1	Right Tilt	0.594	0.291	0.247	0.152	0.885	0.993
N38	Ant.0	Left Cheek	0.372	0.453	0.482	0.321	0.825	1.175
	Ant.0	Left Tilt	0.270	0.496	0.506	0.216	0.767	0.993
	Ant.0	Right Cheek	0.798	0.210	0.222	0.124	1.009	1.144
	Ant.0	Right Tilt	0.667	0.291	0.247	0.152	0.957	1.066
N38	Ant.4	Left Cheek	0.223	0.453	0.482	0.321	0.676	1.026
	Ant.4	Left Tilt	0.125	0.496	0.506	0.216	0.621	0.847
	Ant.4	Right Cheek	0.315	0.210	0.222	0.124	0.525	0.660

	Ant.4	Right Tilt	0.118	0.291	0.247	0.152	0.409	0.518
N41	Ant.1	Left Cheek	0.401	0.453	0.482	0.321	0.855	1.205
	Ant.1	Left Tilt	0.370	0.496	0.506	0.216	0.867	1.093
	Ant.1	Right Cheek	1.094	0.210	0.222	0.124	1.305	1.440
	Ant.1	Right Tilt	0.818	0.291	0.247	0.152	1.109	1.218
N41	Ant.0	Left Cheek	0.193	0.453	0.482	0.321	0.646	0.997
	Ant.0	Left Tilt	0.106	0.496	0.506	0.216	0.603	0.829
	Ant.0	Right Cheek	0.254	0.210	0.222	0.124	0.465	0.600
	Ant.0	Right Tilt	0.117	0.291	0.247	0.152	0.407	0.516
N41	Ant.4	Left Cheek	0.272	0.453	0.482	0.321	0.725	1.076
	Ant.4	Left Tilt	0.144	0.496	0.506	0.216	0.641	0.867
	Ant.4	Right Cheek	0.639	0.210	0.222	0.124	0.849	0.984
	Ant.4	Right Tilt	0.222	0.291	0.247	0.152	0.513	0.621

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

12.2.2 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4G WIFI	5.G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+4)
GSM850	Ant.1	Front Side 15mm	0.132	0.142	0.129	0.045	0.274	0.306
	Ant.1	Back Side 15mm	0.162	0.184	0.335	0.053	0.346	0.550
GSM850	Ant.0	Front Side 15mm	0.105	0.142	0.129	0.045	0.247	0.278
	Ant.0	Back Side 15mm	0.184	0.184	0.335	0.053	0.368	0.572
GSM1900	Ant.1	Front Side 15mm	0.258	0.142	0.129	0.045	0.400	0.431
	Ant.1	Back Side 15mm	0.345	0.184	0.335	0.053	0.529	0.733
GSM1900	Ant.0	Front Side 15mm	0.148	0.142	0.129	0.045	0.290	0.321
	Ant.0	Back Side 15mm	0.236	0.184	0.335	0.053	0.419	0.624
WCDMA B2	Ant.1	Front Side 15mm	0.204	0.142	0.129	0.045	0.346	0.378
	Ant.1	Back Side 15mm	0.257	0.184	0.335	0.053	0.441	0.645
WCDMA B2	Ant.0	Front Side 15mm	0.134	0.142	0.129	0.045	0.276	0.307
	Ant.0	Back Side 15mm	0.235	0.184	0.335	0.053	0.419	0.623
WCDMA B4	Ant.1	Front Side 15mm	0.159	0.142	0.129	0.045	0.301	0.333
	Ant.1	Back Side 15mm	0.217	0.184	0.335	0.053	0.400	0.604
WCDMA B4	Ant.0	Front Side 15mm	0.165	0.142	0.129	0.045	0.307	0.339
	Ant.0	Back Side 15mm	0.269	0.184	0.335	0.053	0.452	0.657
WCDMA B5	Ant.1	Front Side 15mm	0.165	0.142	0.129	0.045	0.307	0.339
	Ant.1	Back Side 15mm	0.253	0.184	0.335	0.053	0.437	0.641
WCDMA B5	Ant.0	Front Side 15mm	0.139	0.142	0.129	0.045	0.281	0.313
	Ant.0	Back Side 15mm	0.190	0.184	0.335	0.053	0.373	0.578
LTE B2	Ant.1	Front Side 15mm	0.297	0.142	0.129	0.045	0.439	0.471
	Ant.1	Back Side 15mm	0.392	0.184	0.335	0.053	0.576	0.780
LTE B2	Ant.0	Front Side 15mm	0.145	0.142	0.129	0.045	0.286	0.318
	Ant.0	Back Side 15mm	0.309	0.184	0.335	0.053	0.493	0.697
LTE B4	Ant.1	Front Side 15mm	0.233	0.142	0.129	0.045	0.375	0.407
	Ant.1	Back Side 15mm	0.274	0.184	0.335	0.053	0.458	0.662
LTE B4	Ant.0	Front Side 15mm	0.203	0.142	0.129	0.045	0.345	0.377
	Ant.0	Back Side 15mm	0.273	0.184	0.335	0.053	0.456	0.661
LTE B5	Ant.1	Front Side 15mm	0.160	0.142	0.129	0.045	0.302	0.333
	Ant.1	Back Side 15mm	0.189	0.184	0.335	0.053	0.372	0.577
LTE B5	Ant.0	Front Side 15mm	0.142	0.142	0.129	0.045	0.283	0.315
	Ant.0	Back Side 15mm	0.194	0.184	0.335	0.053	0.377	0.582
LTE B7	Ant.1	Front Side 15mm	0.210	0.142	0.129	0.045	0.352	0.384
	Ant.1	Back Side 15mm	0.224	0.184	0.335	0.053	0.408	0.612
LTE B7	Ant.0	Front Side 15mm	0.198	0.142	0.129	0.045	0.340	0.372
	Ant.0	Back Side 15mm	0.257	0.184	0.335	0.053	0.441	0.645

LTE B7	Ant.4	Front Side 15mm	0.125	0.142	0.129	0.045	0.267	0.299
	Ant.4	Back Side 15mm	0.346	0.184	0.335	0.053	0.529	0.734
LTE B12	Ant.1	Front Side 15mm	0.207	0.142	0.129	0.045	0.349	0.381
	Ant.1	Back Side 15mm	0.336	0.184	0.335	0.053	0.519	0.724
LTE B12	Ant.0	Front Side 15mm	0.128	0.142	0.129	0.045	0.270	0.302
	Ant.0	Back Side 15mm	0.200	0.184	0.335	0.053	0.383	0.588
LTE B17	Ant.1	Front Side 15mm	0.205	0.142	0.129	0.045	0.347	0.379
	Ant.1	Back Side 15mm	0.351	0.184	0.335	0.053	0.535	0.739
LTE B17	Ant.0	Front Side 15mm	0.154	0.142	0.129	0.045	0.296	0.327
	Ant.0	Back Side 15mm	0.218	0.184	0.335	0.053	0.401	0.606
LTE B26	Ant.1	Front Side 15mm	0.133	0.142	0.129	0.045	0.275	0.306
	Ant.1	Back Side 15mm	0.176	0.184	0.335	0.053	0.359	0.564
LTE B26	Ant.0	Front Side 15mm	0.143	0.142	0.129	0.045	0.285	0.317
	Ant.0	Back Side 15mm	0.233	0.184	0.335	0.053	0.416	0.621
LTE B66	Ant.1	Front Side 15mm	0.173	0.142	0.129	0.045	0.315	0.346
	Ant.1	Back Side 15mm	0.235	0.184	0.335	0.053	0.419	0.623
LTE B66	Ant.0	Front Side 15mm	0.160	0.142	0.129	0.045	0.302	0.333
	Ant.0	Back Side 15mm	0.245	0.184	0.335	0.053	0.429	0.633
LTE B38	Ant.1	Front Side 15mm	0.155	0.142	0.129	0.045	0.297	0.329
	Ant.1	Back Side 15mm	0.172	0.184	0.335	0.053	0.355	0.560
LTE B38	Ant.0	Front Side 15mm	0.164	0.142	0.129	0.045	0.306	0.338
	Ant.0	Back Side 15mm	0.180	0.184	0.335	0.053	0.364	0.568
LTE B38	Ant.4	Front Side 15mm	0.121	0.142	0.129	0.045	0.263	0.294
	Ant.4	Back Side 15mm	0.258	0.184	0.335	0.053	0.442	0.646
LTE B41	Ant.1	Front Side 15mm	0.166	0.142	0.129	0.045	0.308	0.339
	Ant.1	Back Side 15mm	0.170	0.184	0.335	0.053	0.353	0.558
LTE B41	Ant.0	Front Side 15mm	0.159	0.142	0.129	0.045	0.301	0.333
	Ant.0	Back Side 15mm	0.188	0.184	0.335	0.053	0.372	0.576
LTE B41	Ant.4	Front Side 15mm	0.138	0.142	0.129	0.045	0.279	0.311
	Ant.4	Back Side 15mm	0.410	0.184	0.335	0.053	0.594	**0.798**
N5	Ant.1	Front Side 15mm	0.203	0.142	0.129	0.045	0.345	0.377
	Ant.1	Back Side 15mm	0.276	0.184	0.335	0.053	0.460	0.664
N5	Ant.0	Front Side 15mm	0.062	0.142	0.129	0.045	0.203	0.235
	Ant.0	Back Side 15mm	0.127	0.184	0.335	0.053	0.310	0.515
N7	Ant.1	Front Side 15mm	0.259	0.142	0.129	0.045	0.401	0.433
	Ant.1	Back Side 15mm	0.337	0.184	0.335	0.053	0.520	0.725
N7	Ant.0	Front Side 15mm	0.164	0.142	0.129	0.045	0.306	0.338
	Ant.0	Back Side 15mm	0.230	0.184	0.335	0.053	0.413	0.618
N7	Ant.4	Front Side 15mm	0.135	0.142	0.129	0.045	0.277	0.309
	Ant.4	Back Side 15mm	0.305	0.184	0.335	0.053	0.488	0.693
N38	Ant.1	Front Side 15mm	0.272	0.142	0.129	0.045	0.414	0.446
	Ant.1	Back Side 15mm	0.318	0.184	0.335	0.053	0.501	0.706
N38	Ant.0	Front Side 15mm	0.175	0.142	0.129	0.045	0.317	0.348

	Ant.0	Back Side 15mm	0.248	0.184	0.335	0.053	0.431	0.636
N38	Ant.4	Front Side 15mm	0.125	0.142	0.129	0.045	0.267	0.299
	Ant.4	Back Side 15mm	0.314	0.184	0.335	0.053	0.498	0.702
N41	Ant.1	Front Side 15mm	0.202	0.142	0.129	0.045	0.344	0.376
	Ant.1	Back Side 15mm	0.218	0.184	0.335	0.053	0.401	0.606
N41	Ant.0	Front Side 15mm	0.150	0.142	0.129	0.045	0.292	0.324
	Ant.0	Back Side 15mm	0.271	0.184	0.335	0.053	0.455	0.659
N41	Ant.4	Front Side 15mm	0.110	0.142	0.129	0.045	0.252	0.284
	Ant.4	Back Side 15mm	0.258	0.184	0.335	0.053	0.442	0.646

Note:

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

2: The highest Summed 1g SAR is 0.798 W/Kg < 1.6W/Kg, so Simultaneous Transmission SAR test is not required.

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

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4G WIFI	5.G WIFI	Bluetooth	Sum SAR (1+2)	Sum SAR (1+3+4)
GSM850	Ant.1	Front Side 10mm	0.218	0.162	0.185	0.058	0.380	0.461
	Ant.1	Back Side 10mm	0.358	0.248	0.255	0.129	0.606	0.742
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.140	0.000	0.000	0.000	0.140	0.140
	Ant.1	Top Edge 10mm	0.228	0.201	0.250	0.091	0.429	0.569
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM850	Ant.0	Front Side 10mm	0.138	0.162	0.185	0.058	0.299	0.381
	Ant.0	Back Side 10mm	0.252	0.248	0.255	0.129	0.500	0.636
	Ant.0	Left Edge 10mm	0.078	0.154	0.285	0.069	0.233	0.432
	Ant.0	Right Edge 10mm	0.119	0.000	0.000	0.000	0.119	0.119
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.204	0.000	0.000	0.000	0.204	0.204
GSM1900	Ant.1	Front Side 10mm	0.262	0.162	0.185	0.058	0.424	0.505
	Ant.1	Back Side 10mm	0.369	0.248	0.255	0.129	0.616	0.753
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.099	0.000	0.000	0.000	0.099	0.099
	Ant.1	Top Edge 10mm	0.419	0.201	0.250	0.091	0.620	0.760
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
GSM1900	Ant.0	Front Side 10mm	0.387	0.162	0.185	0.058	0.549	0.630
	Ant.0	Back Side 10mm	0.417	0.248	0.255	0.129	0.665	0.801
	Ant.0	Left Edge 10mm	0.094	0.154	0.285	0.069	0.248	0.447
	Ant.0	Right Edge 10mm	0.049	0.000	0.000	0.000	0.049	0.049
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.440	0.000	0.000	0.000	0.440	0.440
WCDMA B2	Ant.1	Front Side 10mm	0.212	0.162	0.185	0.058	0.373	0.455
	Ant.1	Back Side 10mm	0.277	0.248	0.255	0.129	0.525	0.661
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.077	0.000	0.000	0.000	0.077	0.077
	Ant.1	Top Edge 10mm	0.386	0.201	0.250	0.091	0.587	0.727
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B2	Ant.0	Front Side 10mm	0.119	0.162	0.185	0.058	0.281	0.362
	Ant.0	Back Side 10mm	0.256	0.248	0.255	0.129	0.504	0.640
	Ant.0	Left Edge 10mm	0.079	0.154	0.285	0.069	0.233	0.433
	Ant.0	Right Edge 10mm	0.041	0.000	0.000	0.000	0.041	0.041
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.396	0.000	0.000	0.000	0.396	0.396

WCDMA B4	Ant.1	Front Side 10mm	0.175	0.162	0.185	0.058	0.336	0.418
	Ant.1	Back Side 10mm	0.235	0.248	0.255	0.129	0.482	0.618
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.052	0.000	0.000	0.000	0.052	0.052
	Ant.1	Top Edge 10mm	0.326	0.201	0.250	0.091	0.527	0.667
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B4	Ant.0	Front Side 10mm	0.146	0.162	0.185	0.058	0.308	0.389
	Ant.0	Back Side 10mm	0.274	0.248	0.255	0.129	0.522	0.658
	Ant.0	Left Edge 10mm	0.056	0.154	0.285	0.069	0.210	0.409
	Ant.0	Right Edge 10mm	0.038	0.000	0.000	0.000	0.038	0.038
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.458	0.000	0.000	0.000	0.458	0.458
WCDMA B5	Ant.1	Front Side 10mm	0.289	0.162	0.185	0.058	0.451	0.532
	Ant.1	Back Side 10mm	0.394	0.248	0.255	0.129	0.642	0.778
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.158	0.000	0.000	0.000	0.158	0.158
	Ant.1	Top Edge 10mm	0.337	0.201	0.250	0.091	0.538	0.678
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA B5	Ant.0	Front Side 10mm	0.154	0.162	0.185	0.058	0.315	0.397
	Ant.0	Back Side 10mm	0.318	0.248	0.255	0.129	0.565	0.702
	Ant.0	Left Edge 10mm	0.098	0.154	0.285	0.069	0.252	0.451
	Ant.0	Right Edge 10mm	0.178	0.000	0.000	0.000	0.178	0.178
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.213	0.000	0.000	0.000	0.213	0.213
LTE B2	Ant.1	Front Side 10mm	0.349	0.162	0.185	0.058	0.511	0.593
	Ant.1	Back Side 10mm	0.464	0.248	0.255	0.129	0.712	0.848
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.101	0.000	0.000	0.000	0.101	0.101
	Ant.1	Top Edge 10mm	0.578	0.201	0.250	0.091	0.779	0.919
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B2	Ant.0	Front Side 10mm	0.179	0.162	0.185	0.058	0.340	0.422
	Ant.0	Back Side 10mm	0.383	0.248	0.255	0.129	0.631	0.767
	Ant.0	Left Edge 10mm	0.111	0.154	0.285	0.069	0.265	0.464
	Ant.0	Right Edge 10mm	0.054	0.000	0.000	0.000	0.054	0.054
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.516	0.000	0.000	0.000	0.516	0.516
LTE B4	Ant.1	Front Side 10mm	0.270	0.162	0.185	0.058	0.432	0.513
	Ant.1	Back Side 10mm	0.361	0.248	0.255	0.129	0.609	0.745
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.067	0.000	0.000	0.000	0.067	0.067
	Ant.1	Top Edge 10mm	0.467	0.201	0.250	0.091	0.668	0.808
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B4	Ant.0	Front Side 10mm	0.199	0.162	0.185	0.058	0.361	0.442

	Ant.0	Back Side 10mm	0.341	0.248	0.255	0.129	0.588	0.724
	Ant.0	Left Edge 10mm	0.081	0.154	0.285	0.069	0.235	0.435
	Ant.0	Right Edge 10mm	0.051	0.000	0.000	0.000	0.051	0.051
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.525	0.000	0.000	0.000	0.525	0.525
LTE B5	Ant.1	Front Side 10mm	0.288	0.162	0.185	0.058	0.450	0.531
	Ant.1	Back Side 10mm	0.423	0.248	0.255	0.129	0.670	0.807
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.154	0.000	0.000	0.000	0.154	0.154
	Ant.1	Top Edge 10mm	0.309	0.201	0.250	0.091	0.510	0.650
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B5	Ant.0	Front Side 10mm	0.163	0.162	0.185	0.058	0.324	0.406
	Ant.0	Back Side 10mm	0.325	0.248	0.255	0.129	0.573	0.709
	Ant.0	Left Edge 10mm	0.109	0.154	0.285	0.069	0.264	0.463
	Ant.0	Right Edge 10mm	0.173	0.000	0.000	0.000	0.173	0.173
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.268	0.000	0.000	0.000	0.268	0.268
LTE B7	Ant.1	Front Side 10mm	0.249	0.162	0.185	0.058	0.411	0.493
	Ant.1	Back Side 10mm	0.274	0.248	0.255	0.129	0.521	0.657
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.322	0.000	0.000	0.000	0.322	0.322
	Ant.1	Top Edge 10mm	0.266	0.201	0.250	0.091	0.467	0.607
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B7	Ant.0	Front Side 10mm	0.218	0.162	0.185	0.058	0.380	0.462
	Ant.0	Back Side 10mm	0.277	0.248	0.255	0.129	0.525	0.661
	Ant.0	Left Edge 10mm	0.188	0.154	0.285	0.069	0.342	0.541
	Ant.0	Right Edge 10mm	0.030	0.000	0.000	0.000	0.030	0.030
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.189	0.000	0.000	0.000	0.189	0.189
LTE B7	Ant.4	Front Side 10mm	0.138	0.162	0.185	0.058	0.300	0.382
	Ant.4	Back Side 10mm	0.498	0.248	0.255	0.129	0.746	0.882
	Ant.4	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.4	Right Edge 10mm	0.271	0.000	0.000	0.000	0.271	0.271
	Ant.4	Top Edge 10mm	0.076	0.201	0.250	0.091	0.277	0.417
	Ant.4	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.1	Front Side 10mm	0.186	0.162	0.185	0.058	0.348	0.430
	Ant.1	Back Side 10mm	0.254	0.248	0.255	0.129	0.501	0.637
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.267	0.000	0.000	0.000	0.267	0.267
	Ant.1	Top Edge 10mm	0.156	0.201	0.250	0.091	0.357	0.497
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B12	Ant.0	Front Side 10mm	0.123	0.162	0.185	0.058	0.284	0.366
	Ant.0	Back Side 10mm	0.228	0.248	0.255	0.129	0.475	0.611

	Ant.0	Left Edge 10mm	0.129	0.154	0.285	0.069	0.283	0.483
	Ant.0	Right Edge 10mm	0.158	0.000	0.000	0.000	0.158	0.158
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.092	0.000	0.000	0.000	0.092	0.092
LTE B17	Ant.1	Front Side 10mm	0.187	0.162	0.185	0.058	0.349	0.430
	Ant.1	Back Side 10mm	0.270	0.248	0.255	0.129	0.517	0.653
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.321	0.000	0.000	0.000	0.321	0.321
	Ant.1	Top Edge 10mm	0.192	0.201	0.250	0.091	0.393	0.533
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B17	Ant.0	Front Side 10mm	0.149	0.162	0.185	0.058	0.310	0.392
	Ant.0	Back Side 10mm	0.244	0.248	0.255	0.129	0.492	0.628
	Ant.0	Left Edge 10mm	0.147	0.154	0.285	0.069	0.302	0.501
	Ant.0	Right Edge 10mm	0.180	0.000	0.000	0.000	0.180	0.180
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.135	0.000	0.000	0.000	0.135	0.135
LTE B26	Ant.1	Front Side 10mm	0.246	0.162	0.185	0.058	0.407	0.489
	Ant.1	Back Side 10mm	0.354	0.248	0.255	0.129	0.601	0.737
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.124	0.000	0.000	0.000	0.124	0.124
	Ant.1	Top Edge 10mm	0.247	0.201	0.250	0.091	0.448	0.588
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B26	Ant.0	Front Side 10mm	0.139	0.162	0.185	0.058	0.301	0.383
	Ant.0	Back Side 10mm	0.249	0.248	0.255	0.129	0.496	0.633
	Ant.0	Left Edge 10mm	0.101	0.154	0.285	0.069	0.255	0.454
	Ant.0	Right Edge 10mm	0.132	0.000	0.000	0.000	0.132	0.132
	Ant.0	Top Edge 10mm	0.217	0.201	0.250	0.091	0.418	0.557
	Ant.0	Bottom Edge 10mm	0.217	0.000	0.000	0.000	0.217	0.217
LTE B66	Ant.1	Front Side 10mm	0.246	0.162	0.185	0.058	0.408	0.489
	Ant.1	Back Side 10mm	0.316	0.248	0.255	0.129	0.564	0.700
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.058	0.000	0.000	0.000	0.058	0.058
	Ant.1	Top Edge 10mm	0.419	0.201	0.250	0.091	0.620	0.760
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B66	Ant.0	Front Side 10mm	0.182	0.162	0.185	0.058	0.344	0.425
	Ant.0	Back Side 10mm	0.308	0.248	0.255	0.129	0.555	0.691
	Ant.0	Left Edge 10mm	0.076	0.154	0.285	0.069	0.231	0.430
	Ant.0	Right Edge 10mm	0.051	0.000	0.000	0.000	0.051	0.051
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.444	0.000	0.000	0.000	0.444	0.444
LTE B38	Ant.1	Front Side 10mm	0.352	0.162	0.185	0.058	0.514	0.595
	Ant.1	Back Side 10mm	0.365	0.248	0.255	0.129	0.613	0.749
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354

	Ant.1	Right Edge 10mm	0.390	0.000	0.000	0.000	0.390	0.390
	Ant.1	Top Edge 10mm	0.204	0.201	0.250	0.091	0.405	0.545
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B38	Ant.0	Front Side 10mm	0.284	0.162	0.185	0.058	0.445	0.527
	Ant.0	Back Side 10mm	0.370	0.248	0.255	0.129	0.617	0.754
	Ant.0	Left Edge 10mm	0.230	0.154	0.285	0.069	0.384	0.583
	Ant.0	Right Edge 10mm	0.031	0.000	0.000	0.000	0.031	0.031
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.212	0.000	0.000	0.000	0.212	0.212
LTE B38	Ant.4	Front Side 10mm	0.199	0.162	0.185	0.058	0.361	0.443
	Ant.4	Back Side 10mm	0.465	0.248	0.255	0.129	0.712	0.848
	Ant.4	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.4	Right Edge 10mm	0.379	0.000	0.000	0.000	0.379	0.379
	Ant.4	Top Edge 10mm	0.091	0.201	0.250	0.091	0.292	0.432
	Ant.4	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.1	Front Side 10mm	0.266	0.162	0.185	0.058	0.427	0.509
	Ant.1	Back Side 10mm	0.182	0.248	0.255	0.129	0.430	0.566
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.285	0.000	0.000	0.000	0.285	0.285
	Ant.1	Top Edge 10mm	0.195	0.201	0.250	0.091	0.396	0.536
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
LTE B41	Ant.0	Front Side 10mm	0.283	0.162	0.185	0.058	0.445	0.526
	Ant.0	Back Side 10mm	0.318	0.248	0.255	0.129	0.566	0.702
	Ant.0	Left Edge 10mm	0.200	0.154	0.285	0.069	0.354	0.554
	Ant.0	Right Edge 10mm	0.028	0.000	0.000	0.000	0.028	0.028
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.192	0.000	0.000	0.000	0.192	0.192
LTE B41	Ant.4	Front Side 10mm	0.227	0.162	0.185	0.058	0.388	0.470
	Ant.4	Back Side 10mm	0.782	0.248	0.255	0.129	1.030	**1.166**
	Ant.4	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.4	Right Edge 10mm	0.408	0.000	0.000	0.000	0.408	0.408
	Ant.4	Top Edge 10mm	0.085	0.201	0.250	0.091	0.286	0.426
	Ant.4	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N5	Ant.1	Front Side 10mm	0.339	0.162	0.185	0.058	0.501	0.582
	Ant.1	Back Side 10mm	0.469	0.248	0.255	0.129	0.717	0.853
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.171	0.000	0.000	0.000	0.171	0.171
	Ant.1	Top Edge 10mm	0.366	0.201	0.250	0.091	0.567	0.707
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N5	Ant.0	Front Side 10mm	0.099	0.162	0.185	0.058	0.260	0.342
	Ant.0	Back Side 10mm	0.237	0.248	0.255	0.129	0.484	0.621
	Ant.0	Left Edge 10mm	0.049	0.154	0.285	0.069	0.203	0.402
	Ant.0	Right Edge 10mm	0.081	0.000	0.000	0.000	0.081	0.081

	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.245	0.000	0.000	0.000	0.245	0.245
N7	Ant.1	Front Side 10mm	0.373	0.162	0.185	0.058	0.535	0.616
	Ant.1	Back Side 10mm	0.367	0.248	0.255	0.129	0.615	0.751
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.494	0.000	0.000	0.000	0.494	0.494
	Ant.1	Top Edge 10mm	0.283	0.201	0.250	0.091	0.484	0.624
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N7	Ant.0	Front Side 10mm	0.279	0.162	0.185	0.058	0.441	0.522
	Ant.0	Back Side 10mm	0.293	0.248	0.255	0.129	0.540	0.676
	Ant.0	Left Edge 10mm	0.345	0.154	0.285	0.069	0.499	0.699
	Ant.0	Right Edge 10mm	0.114	0.000	0.000	0.000	0.114	0.114
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.218	0.000	0.000	0.000	0.218	0.218
N7	Ant.4	Front Side 10mm	0.154	0.162	0.185	0.058	0.316	0.397
	Ant.4	Back Side 10mm	0.599	0.248	0.255	0.129	0.847	0.983
	Ant.4	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.4	Right Edge 10mm	0.313	0.000	0.000	0.000	0.313	0.313
	Ant.4	Top Edge 10mm	0.057	0.201	0.250	0.091	0.258	0.398
	Ant.4	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N38	Ant.1	Front Side 10mm	0.427	0.162	0.185	0.058	0.589	0.670
	Ant.1	Back Side 10mm	0.466	0.248	0.255	0.129	0.713	0.849
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.467	0.000	0.000	0.000	0.467	0.467
	Ant.1	Top Edge 10mm	0.286	0.201	0.250	0.091	0.487	0.626
	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N38	Ant.0	Front Side 10mm	0.235	0.162	0.185	0.058	0.397	0.479
	Ant.0	Back Side 10mm	0.327	0.248	0.255	0.129	0.575	0.711
	Ant.0	Left Edge 10mm	0.271	0.154	0.285	0.069	0.426	0.625
	Ant.0	Right Edge 10mm	0.032	0.000	0.000	0.000	0.032	0.032
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.241	0.000	0.000	0.000	0.241	0.241
N38	Ant.4	Front Side 10mm	0.161	0.162	0.185	0.058	0.323	0.404
	Ant.4	Back Side 10mm	0.491	0.248	0.255	0.129	0.739	0.875
	Ant.4	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.4	Right Edge 10mm	0.350	0.000	0.000	0.000	0.350	0.350
	Ant.4	Top Edge 10mm	0.087	0.201	0.250	0.091	0.288	0.428
	Ant.4	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N41	Ant.1	Front Side 10mm	0.595	0.162	0.185	0.058	0.757	0.839
	Ant.1	Back Side 10mm	0.618	0.248	0.255	0.129	0.866	1.002
	Ant.1	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.1	Right Edge 10mm	0.465	0.000	0.000	0.000	0.465	0.465
	Ant.1	Top Edge 10mm	0.431	0.201	0.250	0.091	0.632	0.772

	Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000
N41	Ant.0	Front Side 10mm	0.205	0.162	0.185	0.058	0.366	0.448
	Ant.0	Back Side 10mm	0.286	0.248	0.255	0.129	0.534	0.670
	Ant.0	Left Edge 10mm	0.231	0.154	0.285	0.069	0.385	0.584
	Ant.0	Right Edge 10mm	0.053	0.000	0.000	0.000	0.053	0.053
	Ant.0	Top Edge 10mm	0.000	0.201	0.250	0.091	0.201	0.341
	Ant.0	Bottom Edge 10mm	0.194	0.000	0.000	0.000	0.194	0.194
N41	Ant.4	Front Side 10mm	0.169	0.162	0.185	0.058	0.331	0.413
	Ant.4	Back Side 10mm	0.722	0.248	0.255	0.129	0.970	1.106
	Ant.4	Left Edge 10mm	0.000	0.154	0.285	0.069	0.154	0.354
	Ant.4	Right Edge 10mm	0.390	0.000	0.000	0.000	0.390	0.390
	Ant.4	Top Edge 10mm	0.088	0.201	0.250	0.091	0.289	0.429
	Ant.4	Bottom Edge 10mm	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 1.166 W/Kg < 1.6W/Kg, so Simultaneous Transmission SAR test is not required.

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

Band	LTE	Antenna	NR	Antenna	Position	Stand alone SAR		SUM SAR
						1	2	
						LTE	NR	Sum SAR (1+2)
DC_7A_n5A	LTE B7	Ant.1	N5	Ant.0	Left Cheek	0.175	0.096	0.271
		Ant.1		Ant.0	Left Tilt	0.198	0.057	0.255
		Ant.1		Ant.0	Right Cheek	0.390	0.062	0.452
		Ant.1		Ant.0	Right Tilt	0.351	0.043	0.394
	LTE B7	Ant.4	N5	Ant.0	Left Cheek	0.341	0.096	0.437
		Ant.4		Ant.0	Left Tilt	0.148	0.057	0.204
		Ant.4		Ant.0	Right Cheek	0.593	0.062	0.655
		Ant.4		Ant.0	Right Tilt	0.287	0.043	0.330
	LTE B7	Ant.0	N5	Ant.1	Left Cheek	0.114	0.336	0.450
		Ant.0		Ant.1	Left Tilt	0.071	0.301	0.372
		Ant.0		Ant.1	Right Cheek	0.228	0.475	0.703
		Ant.0		Ant.1	Right Tilt	0.096	0.396	0.492
	LTE B7	Ant.4	N5	Ant.1	Left Cheek	0.341	0.336	0.676
		Ant.4		Ant.1	Left Tilt	0.148	0.301	0.448
		Ant.4		Ant.1	Right Cheek	0.593	0.475	**1.069**
		Ant.4		Ant.1	Right Tilt	0.287	0.396	0.683
DC_5A_n7A	LTE B5	Ant.1	N7	Ant.0	Left Cheek	0.274	0.192	0.466
		Ant.1		Ant.0	Left Tilt	0.218	0.125	0.343
		Ant.1		Ant.0	Right Cheek	0.372	0.304	0.676
		Ant.1		Ant.0	Right Tilt	0.301	0.136	0.437
	LTE B5	Ant.0	N7	Ant.1	Left Cheek	0.204	0.211	0.415
		Ant.0		Ant.1	Left Tilt	0.114	0.169	0.283
		Ant.0		Ant.1	Right Cheek	0.171	0.474	0.645
		Ant.0		Ant.1	Right Tilt	0.091	0.415	0.506
	LTE B5	Ant.1	N7	Ant.4	Left Cheek	0.274	0.433	0.707
		Ant.1		Ant.4	Left Tilt	0.218	0.166	0.384
		Ant.1		Ant.4	Right Cheek	0.372	0.621	0.992
		Ant.1		Ant.4	Right Tilt	0.301	0.348	0.650
	LTE B5	Ant.0	N7	Ant.4	Left Cheek	0.204	0.433	0.636
		Ant.0		Ant.4	Left Tilt	0.114	0.166	0.281
		Ant.0		Ant.4	Right Cheek	0.171	0.621	0.792
		Ant.0		Ant.4	Right Tilt	0.091	0.348	0.439
DC_66A_n7A	LTE B66	Ant.1	N7	Ant.0	Left Cheek	0.325	0.192	0.517
		Ant.1		Ant.0	Left Tilt	0.382	0.125	0.507
		Ant.1		Ant.0	Right Cheek	0.425	0.304	0.729
		Ant.1		Ant.0	Right Tilt	0.536	0.136	0.671

	LTE B66	Ant.0	N7	Ant.1	Left Cheek	0.120	0.211	0.331
		Ant.0		Ant.1	Left Tilt	0.045	0.169	0.214
		Ant.0		Ant.1	Right Cheek	0.083	0.474	0.557
		Ant.0		Ant.1	Right Tilt	0.057	0.415	0.472
	LTE B66	Ant.1	N7	Ant.4	Left Cheek	0.325	0.433	0.758
		Ant.1		Ant.4	Left Tilt	0.382	0.166	0.548
		Ant.1		Ant.4	Right Cheek	0.425	0.621	1.046
		Ant.1		Ant.4	Right Tilt	0.536	0.348	0.884
	LTE B38	Ant.0	N7	Ant.4	Left Cheek	0.120	0.433	0.552
		Ant.0		Ant.4	Left Tilt	0.045	0.166	0.211
		Ant.0		Ant.4	Right Cheek	0.083	0.621	0.704
		Ant.0		Ant.4	Right Tilt	0.057	0.348	0.405

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

12.2.5 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	LTE	Antenna	NR	Antenna	Position	Stand alone SAR		SUM SAR
						1	2	
						LTE	NR	Sum SAR (1+2)
DC_7A_n5A	LTE B7	Ant.1	N5	Ant.0	Front Side 15mm	0.095	0.062	0.157
		Ant.1		Ant.0	Back Side 15mm	0.103	0.127	0.229
	LTE B7	Ant.4	N5	Ant.0	Front Side 15mm	0.064	0.062	0.125
		Ant.4		Ant.0	Back Side 15mm	0.165	0.127	0.292
	LTE B7	Ant.0	N5	Ant.1	Front Side 15mm	0.096	0.145	0.240
		Ant.0		Ant.1	Back Side 15mm	0.125	0.191	0.316
	LTE B7	Ant.4	N5	Ant.1	Front Side 15mm	0.064	0.145	0.208
		Ant.4		Ant.1	Back Side 15mm	0.165	0.191	0.357
DC_5A_n7A	LTE B5	Ant.1	N7	Ant.0	Front Side 15mm	0.084	0.082	0.166
		Ant.1		Ant.0	Back Side 15mm	0.103	0.113	0.217
	LTE B5	Ant.0	N7	Ant.1	Front Side 15mm	0.142	0.126	0.267
		Ant.0		Ant.1	Back Side 15mm	0.194	0.162	0.355
	LTE B5	Ant.1	N7	Ant.4	Front Side 15mm	0.084	0.086	0.169
		Ant.1		Ant.4	Back Side 15mm	0.103	0.194	0.297
	LTE B5	Ant.0	N7	Ant.4	Front Side 15mm	0.142	0.086	0.227
		Ant.0		Ant.4	Back Side 15mm	0.194	0.194	**0.388**
DC_66A_n7A	LTE B66	Ant.1	N7	Ant.0	Front Side 15mm	0.078	0.082	0.160
		Ant.1		Ant.0	Back Side 15mm	0.104	0.113	0.217
	LTE B66	Ant.0	N7	Ant.1	Front Side 15mm	0.080	0.126	0.205
		Ant.0		Ant.1	Back Side 15mm	0.110	0.162	0.272
	LTE B66	Ant.1	N7	Ant.4	Front Side 15mm	0.078	0.086	0.163
		Ant.1		Ant.4	Back Side 15mm	0.104	0.194	0.298
	LTE B66	Ant.0	N7	Ant.4	Front Side 15mm	0.080	0.086	0.165
		Ant.0		Ant.4	Back Side 15mm	0.110	0.194	0.304

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

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

Band	LTE	Antenna	NR	Antenna	Position	Stand alone SAR		SUM SAR
						1	2	
						LTE	NR	Sum SAR (1+2)
DC_7A_n5A	LTE B7	Ant.1	N5	Ant.0	Front Side 10mm	0.127	0.099	0.225
		Ant.1		Ant.0	Back Side 10mm	0.139	0.237	0.376
		Ant.1		Ant.0	Left Edge 10mm	0.000	0.049	0.049
		Ant.1		Ant.0	Right Edge 10mm	0.168	0.081	0.249
		Ant.1		Ant.0	Top Edge 10mm	0.137	0.000	0.137
		Ant.1		Ant.0	Bottom Edge 10mm	0.000	0.245	0.245
	LTE B7	Ant.4	N5	Ant.0	Front Side 10mm	0.079	0.099	0.178
		Ant.4		Ant.0	Back Side 10mm	0.294	0.237	0.531
		Ant.4		Ant.0	Left Edge 10mm	0.000	0.049	0.049
		Ant.4		Ant.0	Right Edge 10mm	0.159	0.081	0.240
		Ant.4		Ant.0	Top Edge 10mm	0.044	0.000	0.044
		Ant.4		Ant.0	Bottom Edge 10mm	0.000	0.245	0.245
	LTE B7	Ant.0	N5	Ant.1	Front Side 10mm	0.108	0.182	0.290
		Ant.0		Ant.1	Back Side 10mm	0.136	0.247	0.384
		Ant.0		Ant.1	Left Edge 10mm	0.094	0.000	0.094
		Ant.0		Ant.1	Right Edge 10mm	0.015	0.105	0.121
		Ant.0		Ant.1	Top Edge 10mm	0.000	0.193	0.193
		Ant.0		Ant.1	Bottom Edge 10mm	0.094	0.000	0.094
	LTE B7	Ant.4	N5	Ant.1	Front Side 10mm	0.079	0.182	0.261
		Ant.4		Ant.1	Back Side 10mm	0.294	0.247	0.541
		Ant.4		Ant.1	Left Edge 10mm	0.000	0.000	0.000
		Ant.4		Ant.1	Right Edge 10mm	0.159	0.105	0.264
		Ant.4		Ant.1	Top Edge 10mm	0.044	0.193	0.237
		Ant.4		Ant.1	Bottom Edge 10mm	0.000	0.000	0.000
DC_5A_n7A	LTE B5	Ant.1	N7	Ant.0	Front Side 10mm	0.122	0.137	0.259
		Ant.1		Ant.0	Back Side 10mm	0.174	0.148	0.321
		Ant.1		Ant.0	Left Edge 10mm	0.000	0.165	0.165
		Ant.1		Ant.0	Right Edge 10mm	0.067	0.058	0.125
		Ant.1		Ant.0	Top Edge 10mm	0.134	0.000	0.134
		Ant.1		Ant.0	Bottom Edge 10mm	0.000	0.108	0.108
	LTE B5	Ant.0	N7	Ant.1	Front Side 10mm	0.163	0.180	0.343
		Ant.0		Ant.1	Back Side 10mm	0.325	0.187	0.513
		Ant.0		Ant.1	Left Edge 10mm	0.109	0.000	0.109
		Ant.0		Ant.1	Right Edge 10mm	0.173	0.245	0.417
		Ant.0		Ant.1	Top Edge 10mm	0.000	0.144	0.144
		Ant.0		Ant.1	Bottom Edge 10mm	0.268	0.000	0.268

	LTE B5	Ant.1	N7	Ant.4	Front Side 10mm	0.122	0.101	0.223
		Ant.1		Ant.4	Back Side 10mm	0.174	0.379	0.552
		Ant.1		Ant.4	Left Edge 10mm	0.000	0.000	0.000
		Ant.1		Ant.4	Right Edge 10mm	0.067	0.195	0.262
		Ant.1		Ant.4	Top Edge 10mm	0.134	0.039	0.173
		Ant.1		Ant.4	Bottom Edge 10mm	0.000	0.000	0.000
	LTE B5	Ant.0	N7	Ant.4	Front Side 10mm	0.163	0.101	0.263
		Ant.0		Ant.4	Back Side 10mm	0.325	0.379	**0.704**
		Ant.0		Ant.4	Left Edge 10mm	0.109	0.000	0.109
		Ant.0		Ant.4	Right Edge 10mm	0.173	0.195	0.367
		Ant.0		Ant.4	Top Edge 10mm	0.000	0.039	0.039
		Ant.0		Ant.4	Bottom Edge 10mm	0.268	0.000	0.268
DC_66A_n7A	LTE B66	Ant.1	N7	Ant.0	Front Side 10mm	0.130	0.137	0.268
		Ant.1		Ant.0	Back Side 10mm	0.157	0.148	0.304
		Ant.1		Ant.0	Left Edge 10mm	0.000	0.165	0.165
		Ant.1		Ant.0	Right Edge 10mm	0.037	0.058	0.094
		Ant.1		Ant.0	Top Edge 10mm	0.213	0.000	0.213
		Ant.1		Ant.0	Bottom Edge 10mm	0.000	0.108	0.108
	LTE B66	Ant.0	N7	Ant.1	Front Side 10mm	0.099	0.180	0.280
		Ant.0		Ant.1	Back Side 10mm	0.166	0.187	0.354
		Ant.0		Ant.1	Left Edge 10mm	0.041	0.000	0.041
		Ant.0		Ant.1	Right Edge 10mm	0.029	0.245	0.274
		Ant.0		Ant.1	Top Edge 10mm	0.000	0.144	0.144
		Ant.0		Ant.1	Bottom Edge 10mm	0.250	0.000	0.250
	LTE B66	Ant.1	N7	Ant.4	Front Side 10mm	0.130	0.101	0.231
		Ant.1		Ant.4	Back Side 10mm	0.157	0.379	0.535
		Ant.1		Ant.4	Left Edge 10mm	0.000	0.000	0.000
		Ant.1		Ant.4	Right Edge 10mm	0.037	0.195	0.231
		Ant.1		Ant.4	Top Edge 10mm	0.213	0.039	0.252
		Ant.1		Ant.4	Bottom Edge 10mm	0.000	0.000	0.000
	LTE B66	Ant.0	N7	Ant.4	Front Side 10mm	0.099	0.101	0.200
		Ant.0		Ant.4	Back Side 10mm	0.166	0.379	0.545
		Ant.0		Ant.4	Left Edge 10mm	0.041	0.000	0.041
		Ant.0		Ant.4	Right Edge 10mm	0.029	0.195	0.224
		Ant.0		Ant.4	Top Edge 10mm	0.000	0.039	0.039
		Ant.0		Ant.4	Bottom Edge 10mm	0.250	0.000	0.250

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

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

Band	LTE	Antenna	NR	Antenna	Position	Stand alone SAR					SUM SAR	
						1	2	3	4	5		
						LTE	NR	2.4G WIFI	5.G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+2+4+5)
DC_7A_n5A	LTE B7	Ant.1	N5	Ant.0	Left Cheek	0.129	0.096	0.453	0.482	0.321	0.678	1.029
		Ant.1		Ant.0	Left Tilt	0.136	0.057	0.496	0.506	0.216	0.690	0.916
		Ant.1		Ant.0	Right Cheek	0.276	0.062	0.210	0.222	0.124	0.547	0.683
		Ant.1		Ant.0	Right Tilt	0.246	0.043	0.291	0.247	0.152	0.580	0.689
	LTE B7	Ant.4	N5	Ant.0	Left Cheek	0.246	0.096	0.453	0.482	0.321	0.795	1.146
		Ant.4		Ant.0	Left Tilt	0.105	0.057	0.496	0.506	0.216	0.659	0.885
		Ant.4		Ant.0	Right Cheek	0.425	0.062	0.210	0.222	0.124	0.697	0.832
		Ant.4		Ant.0	Right Tilt	0.193	0.043	0.291	0.247	0.152	0.527	0.635
	LTE B7	Ant.0	N5	Ant.1	Left Cheek	0.114	0.231	0.453	0.482	0.321	0.798	1.148
		Ant.0		Ant.1	Left Tilt	0.071	0.214	0.496	0.506	0.216	0.781	1.007
		Ant.0		Ant.1	Right Cheek	0.228	0.313	0.210	0.222	0.124	0.752	0.887
		Ant.0		Ant.1	Right Tilt	0.096	0.272	0.291	0.247	0.152	0.659	0.767
	LTE B7	Ant.4	N5	Ant.1	Left Cheek	0.246	0.231	0.453	0.482	0.321	0.930	1.280
		Ant.4		Ant.1	Left Tilt	0.105	0.214	0.496	0.506	0.216	0.815	1.041
		Ant.4		Ant.1	Right Cheek	0.425	0.313	0.210	0.222	0.124	0.949	1.084
		Ant.4		Ant.1	Right Tilt	0.193	0.272	0.291	0.247	0.152	0.756	0.865
DC_5A_n7A	LTE B5	Ant.1	N7	Ant.0	Left Cheek	0.202	0.192	0.453	0.482	0.321	0.847	1.197
		Ant.1		Ant.0	Left Tilt	0.159	0.125	0.496	0.506	0.216	0.781	1.007
		Ant.1		Ant.0	Right Cheek	0.276	0.304	0.210	0.222	0.124	0.791	0.926
		Ant.1		Ant.0	Right Tilt	0.206	0.136	0.291	0.247	0.152	0.632	0.740
	LTE B5	Ant.0	N7	Ant.1	Left Cheek	0.204	0.146	0.453	0.482	0.321	0.803	1.153
		Ant.0		Ant.1	Left Tilt	0.114	0.117	0.496	0.506	0.216	0.728	0.954
		Ant.0		Ant.1	Right Cheek	0.171	0.350	0.210	0.222	0.124	0.731	0.867
		Ant.0		Ant.1	Right Tilt	0.091	0.305	0.291	0.247	0.152	0.686	0.795
	LTE B5	Ant.1	N7	Ant.4	Left Cheek	0.202	0.349	0.453	0.482	0.321	1.004	1.354
		Ant.1		Ant.4	Left Tilt	0.159	0.134	0.496	0.506	0.216	0.790	1.016
		Ant.1		Ant.4	Right Cheek	0.276	0.625	0.210	0.222	0.124	1.112	1.247
		Ant.1		Ant.4	Right Tilt	0.206	0.277	0.291	0.247	0.152	0.774	0.882
	LTE B5	Ant.0	N7	Ant.4	Left Cheek	0.204	0.349	0.453	0.482	0.321	1.006	1.356
		Ant.0		Ant.4	Left Tilt	0.114	0.134	0.496	0.506	0.216	0.744	0.970
		Ant.0		Ant.4	Right Cheek	0.171	0.625	0.210	0.222	0.124	1.007	1.142
		Ant.0		Ant.4	Right Tilt	0.091	0.277	0.291	0.247	0.152	0.659	0.767
DC_66A_n7A	LTE B66	Ant.1	N7	Ant.0	Left Cheek	0.239	0.192	0.453	0.482	0.321	0.884	1.234
		Ant.1		Ant.0	Left Tilt	0.260	0.125	0.496	0.506	0.216	0.882	1.108

		Ant.1		Ant.0	Right Cheek	0.297	0.304	0.210	0.222	0.124	0.811	0.946
		Ant.1		Ant.0	Right Tilt	0.404	0.136	0.291	0.247	0.152	0.831	0.939
	LTE B66	Ant.0	N7	Ant.1	Left Cheek	0.120	0.146	0.453	0.482	0.321	0.718	1.069
		Ant.0		Ant.1	Left Tilt	0.045	0.117	0.496	0.506	0.216	0.659	0.885
		Ant.0		Ant.1	Right Cheek	0.083	0.350	0.210	0.222	0.124	0.643	0.779
		Ant.0		Ant.1	Right Tilt	0.057	0.305	0.291	0.247	0.152	0.653	0.761
	LTE B66	Ant.1	N7	Ant.4	Left Cheek	0.239	0.349	0.453	0.482	0.321	1.041	**1.391**
		Ant.1		Ant.4	Left Tilt	0.260	0.134	0.496	0.506	0.216	0.891	1.117
		Ant.1		Ant.4	Right Cheek	0.297	0.625	0.210	0.222	0.124	1.132	1.267
		Ant.1		Ant.4	Right Tilt	0.404	0.277	0.291	0.247	0.152	0.972	1.081
	LTE B38	Ant.0	N7	Ant.4	Left Cheek	0.120	0.349	0.453	0.482	0.321	0.922	1.272
		Ant.0		Ant.4	Left Tilt	0.045	0.134	0.496	0.506	0.216	0.675	0.901
		Ant.0		Ant.4	Right Cheek	0.083	0.625	0.210	0.222	0.124	0.919	1.054
		Ant.0		Ant.4	Right Tilt	0.057	0.277	0.291	0.247	0.152	0.625	0.733

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

12.2.8 Body Simultaneous Transmission SAR Evaluation for WWAN Antenna with WLAN and Bluetooth

Band	LTE	Antenna	NR	Antenna	Position	Stand alone SAR					SUM SAR	
						1	2	3	4	5		
						LTE	NR	2.4G WIFI	5.G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+2+4+5)
DC_7A_n5A	LTE B7	Ant.1	N5	Ant.0	Front Side 15mm	0.095	0.062	0.142	0.129	0.045	0.299	0.331
		Ant.1		Ant.0	Back Side 15mm	0.103	0.127	0.184	0.335	0.053	0.413	0.617
	LTE B7	Ant.4	N5	Ant.0	Front Side 15mm	0.064	0.062	0.142	0.129	0.045	0.267	0.299
		Ant.4		Ant.0	Back Side 15mm	0.165	0.127	0.184	0.335	0.053	0.476	0.680
	LTE B7	Ant.0	N5	Ant.1	Front Side 15mm	0.096	0.145	0.142	0.129	0.045	0.382	0.414
		Ant.0		Ant.1	Back Side 15mm	0.125	0.191	0.184	0.335	0.053	0.499	0.704
	LTE B7	Ant.4	N5	Ant.1	Front Side 15mm	0.064	0.145	0.142	0.129	0.045	0.350	0.382
		Ant.4		Ant.1	Back Side 15mm	0.165	0.191	0.184	0.335	0.053	0.540	0.745
DC_5A_n7A	LTE B5	Ant.1	N7	Ant.0	Front Side 15mm	0.084	0.082	0.142	0.129	0.045	0.307	0.339
		Ant.1		Ant.0	Back Side 15mm	0.103	0.113	0.184	0.335	0.053	0.400	0.605
	LTE B5	Ant.0	N7	Ant.1	Front Side 15mm	0.142	0.126	0.142	0.129	0.045	0.409	0.441
		Ant.0		Ant.1	Back Side 15mm	0.194	0.162	0.184	0.335	0.053	0.539	0.743
	LTE B5	Ant.1	N7	Ant.4	Front Side 15mm	0.084	0.086	0.142	0.129	0.045	0.311	0.343
		Ant.1		Ant.4	Back Side 15mm	0.103	0.194	0.184	0.335	0.053	0.481	0.685
	LTE B5	Ant.0	N7	Ant.4	Front Side 15mm	0.142	0.086	0.142	0.129	0.045	0.369	0.401
		Ant.0		Ant.4	Back Side 15mm	0.194	0.194	0.184	0.335	0.053	0.571	**0.776**
DC_66A_n7A	LTE B66	Ant.1	N7	Ant.0	Front Side 15mm	0.078	0.082	0.142	0.129	0.045	0.302	0.334
		Ant.1		Ant.0	Back Side 15mm	0.104	0.113	0.184	0.335	0.053	0.401	0.605
	LTE B66	Ant.0	N7	Ant.1	Front Side 15mm	0.080	0.126	0.142	0.129	0.045	0.347	0.379
		Ant.0		Ant.1	Back Side 15mm	0.110	0.162	0.184	0.335	0.053	0.455	0.660
	LTE B66	Ant.1	N7	Ant.4	Front Side 15mm	0.078	0.086	0.142	0.129	0.045	0.305	0.337
		Ant.1		Ant.4	Back Side 15mm	0.104	0.194	0.184	0.335	0.053	0.481	0.686
	LTE B66	Ant.0	N7	Ant.4	Front Side 15mm	0.080	0.086	0.142	0.129	0.045	0.307	0.339
		Ant.0		Ant.4	Back Side 15mm	0.110	0.194	0.184	0.335	0.053	0.488	0.692

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

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

Band	LTE	Antenna	NR	Antenna	Position	Stand alone SAR					SUM SAR	
						1	2	3	4	5		
						LTE	NR	2.4G WIFI	5.G WIFI	Bluetooth	Sum SAR (1+2+3)	Sum SAR (1+2+4+5)
DC_7A_n5A	LTE B7	Ant.1	N5	Ant.0	Front Side 10mm	0.127	0.099	0.162	0.185	0.058	0.387	0.469
		Ant.1		Ant.0	Back Side 10mm	0.139	0.237	0.248	0.255	0.129	0.624	0.760
		Ant.1		Ant.0	Left Edge 10mm	0.000	0.049	0.154	0.285	0.069	0.203	0.402
		Ant.1		Ant.0	Right Edge 10mm	0.168	0.081	0.000	0.000	0.000	0.249	0.249
		Ant.1		Ant.0	Top Edge 10mm	0.137	0.000	0.201	0.250	0.091	0.338	0.478
		Ant.1		Ant.0	Bottom Edge 10mm	0.000	0.245	0.000	0.000	0.000	0.245	0.245
	LTE B7	Ant.4	N5	Ant.0	Front Side 10mm	0.079	0.099	0.162	0.185	0.058	0.340	0.421
		Ant.4		Ant.0	Back Side 10mm	0.294	0.237	0.248	0.255	0.129	0.778	0.914
		Ant.4		Ant.0	Left Edge 10mm	0.000	0.049	0.154	0.285	0.069	0.203	0.402
		Ant.4		Ant.0	Right Edge 10mm	0.159	0.081	0.000	0.000	0.000	0.240	0.240
		Ant.4		Ant.0	Top Edge 10mm	0.044	0.000	0.201	0.250	0.091	0.245	0.384
		Ant.4		Ant.0	Bottom Edge 10mm	0.000	0.245	0.000	0.000	0.000	0.245	0.245
	LTE B7	Ant.0	N5	Ant.1	Front Side 10mm	0.108	0.182	0.162	0.185	0.058	0.452	0.533
		Ant.0		Ant.1	Back Side 10mm	0.136	0.247	0.248	0.255	0.129	0.631	0.767
		Ant.0		Ant.1	Left Edge 10mm	0.094	0.000	0.154	0.285	0.069	0.249	0.448
		Ant.0		Ant.1	Right Edge 10mm	0.015	0.105	0.000	0.000	0.000	0.121	0.121
		Ant.0		Ant.1	Top Edge 10mm	0.000	0.193	0.201	0.250	0.091	0.394	0.534
		Ant.0		Ant.1	Bottom Edge 10mm	0.094	0.000	0.000	0.000	0.000	0.094	0.094
	LTE B7	Ant.4	N5	Ant.1	Front Side 10mm	0.079	0.182	0.162	0.185	0.058	0.423	0.504
		Ant.4		Ant.1	Back Side 10mm	0.294	0.247	0.248	0.255	0.129	0.789	0.925
		Ant.4		Ant.1	Left Edge 10mm	0.000	0.000	0.154	0.285	0.069	0.154	0.354
		Ant.4		Ant.1	Right Edge 10mm	0.159	0.105	0.000	0.000	0.000	0.264	0.264
		Ant.4		Ant.1	Top Edge 10mm	0.044	0.193	0.201	0.250	0.091	0.438	0.578
		Ant.4		Ant.1	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DC_5A_n7A	LTE B5	Ant.1	N7	Ant.0	Front Side 10mm	0.122	0.137	0.162	0.185	0.058	0.421	0.503
		Ant.1		Ant.0	Back Side 10mm	0.174	0.148	0.248	0.255	0.129	0.569	0.705
		Ant.1		Ant.0	Left Edge 10mm	0.000	0.165	0.154	0.285	0.069	0.319	0.518
		Ant.1		Ant.0	Right Edge 10mm	0.067	0.058	0.000	0.000	0.000	0.125	0.125
		Ant.1		Ant.0	Top Edge 10mm	0.134	0.000	0.201	0.250	0.091	0.335	0.474
		Ant.1		Ant.0	Bottom Edge 10mm	0.000	0.108	0.000	0.000	0.000	0.108	0.108
	LTE B5	Ant.0	N7	Ant.1	Front Side 10mm	0.163	0.180	0.162	0.185	0.058	0.505	0.586
		Ant.0		Ant.1	Back Side 10mm	0.325	0.187	0.248	0.255	0.129	0.760	0.896
		Ant.0		Ant.1	Left Edge 10mm	0.109	0.000	0.154	0.285	0.069	0.264	0.463
		Ant.0		Ant.1	Right Edge 10mm	0.173	0.245	0.000	0.000	0.000	0.417	0.417

		Ant.0		Ant.1	Top Edge 10mm	0.000	0.144	0.201	0.250	0.091	0.345	0.485
		Ant.0		Ant.1	Bottom Edge 10mm	0.268	0.000	0.000	0.000	0.000	0.268	0.268
	LTE B5	Ant.1	N7	Ant.4	Front Side 10mm	0.122	0.101	0.162	0.185	0.058	0.384	0.466
		Ant.1		Ant.4	Back Side 10mm	0.174	0.379	0.248	0.255	0.129	0.800	0.936
		Ant.1		Ant.4	Left Edge 10mm	0.000	0.000	0.154	0.285	0.069	0.154	0.354
		Ant.1		Ant.4	Right Edge 10mm	0.067	0.195	0.000	0.000	0.000	0.262	0.262
		Ant.1		Ant.4	Top Edge 10mm	0.134	0.039	0.201	0.250	0.091	0.374	0.513
		Ant.1		Ant.4	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	LTE B5	Ant.0	N7	Ant.4	Front Side 10mm	0.163	0.101	0.162	0.185	0.058	0.425	0.506
		Ant.0		Ant.4	Back Side 10mm	0.325	0.379	0.248	0.255	0.129	0.951	**1.088**
		Ant.0		Ant.4	Left Edge 10mm	0.109	0.000	0.154	0.285	0.069	0.264	0.463
		Ant.0		Ant.4	Right Edge 10mm	0.173	0.195	0.000	0.000	0.000	0.367	0.367
		Ant.0		Ant.4	Top Edge 10mm	0.000	0.039	0.201	0.250	0.091	0.240	0.380
		Ant.0		Ant.4	Bottom Edge 10mm	0.268	0.000	0.000	0.000	0.000	0.268	0.268
DC_66A_n7A	LTE B66	Ant.1	N7	Ant.0	Front Side 10mm	0.130	0.137	0.162	0.185	0.058	0.429	0.511
		Ant.1		Ant.0	Back Side 10mm	0.157	0.148	0.248	0.255	0.129	0.552	0.688
		Ant.1		Ant.0	Left Edge 10mm	0.000	0.165	0.154	0.285	0.069	0.319	0.518
		Ant.1		Ant.0	Right Edge 10mm	0.037	0.058	0.000	0.000	0.000	0.094	0.094
		Ant.1		Ant.0	Top Edge 10mm	0.213	0.000	0.201	0.250	0.091	0.414	0.553
		Ant.1		Ant.0	Bottom Edge 10mm	0.000	0.108	0.000	0.000	0.000	0.108	0.108
	LTE B66	Ant.0	N7	Ant.1	Front Side 10mm	0.099	0.180	0.162	0.185	0.058	0.441	0.523
		Ant.0		Ant.1	Back Side 10mm	0.166	0.187	0.248	0.255	0.129	0.601	0.737
		Ant.0		Ant.1	Left Edge 10mm	0.041	0.000	0.154	0.285	0.069	0.195	0.395
		Ant.0		Ant.1	Right Edge 10mm	0.029	0.245	0.000	0.000	0.000	0.274	0.274
		Ant.0		Ant.1	Top Edge 10mm	0.000	0.144	0.201	0.250	0.091	0.345	0.485
		Ant.0		Ant.1	Bottom Edge 10mm	0.250	0.000	0.000	0.000	0.000	0.250	0.250
	LTE B66	Ant.1	N7	Ant.4	Front Side 10mm	0.130	0.101	0.162	0.185	0.058	0.393	0.474
		Ant.1		Ant.4	Back Side 10mm	0.157	0.379	0.248	0.255	0.129	0.783	0.919
		Ant.1		Ant.4	Left Edge 10mm	0.000	0.000	0.154	0.285	0.069	0.154	0.354
		Ant.1		Ant.4	Right Edge 10mm	0.037	0.195	0.000	0.000	0.000	0.231	0.231
		Ant.1		Ant.4	Top Edge 10mm	0.213	0.039	0.201	0.250	0.091	0.452	0.592
		Ant.1		Ant.4	Bottom Edge 10mm	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	LTE B66	Ant.0	N7	Ant.4	Front Side 10mm	0.099	0.101	0.162	0.185	0.058	0.362	0.443
		Ant.0		Ant.4	Back Side 10mm	0.166	0.379	0.248	0.255	0.129	0.792	0.928
		Ant.0		Ant.4	Left Edge 10mm	0.041	0.000	0.154	0.285	0.069	0.195	0.395
		Ant.0		Ant.4	Right Edge 10mm	0.029	0.195	0.000	0.000	0.000	0.224	0.224
		Ant.0		Ant.4	Top Edge 10mm	0.000	0.039	0.201	0.250	0.091	0.240	0.380
		Ant.0		Ant.4	Bottom Edge 10mm	0.250	0.000	0.000	0.000	0.000	0.250	0.250

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

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 7663	2021/07/23	2022/07/22
Data Acquisition Electronics	Speag	DAE4	SN: 878	2021/07/15	2022/07/14
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
Phantom	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 (%)
2022.02.21	Head	750	21.7	0.87	41.51	0.89	41.94	-2.25	-1.03
2022.02.22	Head	750	21.5	0.87	41.22	0.89	41.94	-2.25	-1.72
2022.02.23	Head	835	21.5	0.91	42.26	0.90	41.50	1.11	1.83
2022.02.24	Head	835	21.3	0.91	41.76	0.90	41.50	1.11	0.63
2022.02.25	Head	835	21.6	0.92	40.97	0.90	41.50	2.22	-1.28
2022.02.26	Head	835	21.1	0.89	42.31	0.90	41.50	-1.11	1.95
2022.02.27	Head	835	21.4	0.89	41.80	0.90	41.50	-1.11	0.72
2022.02.28	Head	1750	21.4	1.38	40.58	1.37	40.08	0.73	1.25
2022.03.01	Head	1750	21.4	1.39	39.85	1.37	40.08	1.46	-0.57
2022.03.02	Head	1750	21.7	1.39	39.38	1.37	40.08	1.46	-1.75
2022.03.03	Head	1900	21.4	1.38	39.68	1.40	40.00	-1.43	-0.80
2022.03.04	Head	1900	21.4	1.39	39.09	1.40	40.00	-0.71	-2.27
2022.03.05	Head	1900	21.3	1.40	38.54	1.40	40.00	0.00	-3.65
2022.03.06	Head	2450	21.6	1.82	39.63	1.80	39.20	1.11	1.10
2022.03.07	Head	2600	21.5	1.97	39.51	1.96	39.01	0.51	1.28
2022.03.08	Head	2600	21.8	1.99	38.84	1.96	39.01	1.53	-0.44
2022.03.09	Head	2600	21.4	2.00	38.30	1.96	39.01	2.04	-1.82
2022.03.10	Head	2600	21.8	2.03	37.88	1.96	39.01	3.57	-2.90
2022.03.11	Head	2600	21.5	1.95	39.22	1.96	39.01	-0.51	0.54
2022.03.12	Head	2600	21.7	1.96	38.72	1.96	39.01	0.00	-0.74
2022.03.13	Head	2600	21.9	1.98	38.29	1.96	39.01	1.02	-1.85
2022.03.14	Head	2600	21.3	1.99	37.91	1.96	39.01	1.53	-2.82
2022.03.15	Head	2600	21.2	1.99	39.24	1.96	39.01	1.53	0.59
2022.03.16	Head	2600	21.3	2.02	38.39	1.96	39.01	3.06	-1.59
2022.03.17	Head	2600	21.4	1.93	39.27	1.96	39.01	-1.53	0.67
2022.03.18	Head	2600	21.4	1.96	38.49	1.96	39.01	0.00	-1.33
2022.03.19	Head	5250	21.4	4.73	35.23	4.66	35.99	1.50	-2.11
2022.03.20	Head	5600	21.5	5.07	36.31	5.07	35.53	0.00	2.20
2022.03.21	Head	5750	21.5	5.08	34.79	5.27	35.30	-3.61	-1.44
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 (%)
2022.02.21	Head	750	100	0.853	8.53	8.29	2.90
2022.02.22	Head	750	100	0.844	8.44	8.29	1.81
2022.02.23	Head	835	100	0.937	9.37	9.76	-4.00
2022.02.24	Head	835	100	0.993	9.93	9.76	1.74
2022.02.25	Head	835	100	0.947	9.47	9.76	-2.97
2022.02.26	Head	835	100	0.940	9.40	9.76	-3.69
2022.02.27	Head	835	100	0.980	9.80	9.76	0.41
2022.02.28	Head	1750	100	3.670	36.70	36.70	0.00
2022.03.01	Head	1750	100	3.750	37.50	36.70	2.18
2022.03.02	Head	1750	100	3.530	35.30	36.70	-3.81
2022.03.03	Head	1900	100	4.020	40.20	40.30	-0.25
2022.03.04	Head	1900	100	4.140	41.40	40.30	2.73
2022.03.05	Head	1900	100	4.060	40.60	40.30	0.74
2022.03.06	Head	2450	100	5.240	52.40	53.00	-1.13
2022.03.07	Head	2600	100	5.640	56.40	56.80	-0.70
2022.03.08	Head	2600	100	5.490	54.90	56.80	-3.35
2022.03.09	Head	2600	100	5.770	57.70	56.80	1.58
2022.03.10	Head	2600	100	5.490	54.90	56.80	-3.35
2022.03.11	Head	2600	100	5.750	57.50	56.80	1.23
2022.03.12	Head	2600	100	5.410	54.10	56.80	-4.75
2022.03.13	Head	2600	100	5.650	56.50	56.80	-0.53
2022.03.14	Head	2600	100	5.600	56.00	56.80	-1.41
2022.03.15	Head	2600	100	5.800	58.00	56.80	2.11
2022.03.16	Head	2600	100	5.760	57.60	56.80	1.41
2022.03.17	Head	2600	100	5.780	57.80	56.80	1.76
2022.03.18	Head	2600	100	5.490	54.90	56.80	-3.35
2022.03.19	Head	5250	100	7.710	77.10	77.80	-0.90
2022.03.20	Head	5600	100	7.970	79.70	81.20	-1.85
2022.03.21	Head	5750	100	7.660	76.60	77.20	-0.78
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2022.03.19	Head	5250	100	2.110	21.10	22.10	-4.52
2022.03.20	Head	5600	100	2.330	23.30	23.10	0.87
Note: The tolerance limit of System validation ±10%.							

System Performance Check Data (750MHz)

Date: 2022.02.21

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.867 S/m; ε_r = 41.506; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.41, 10.41, 10.41); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.903 W/kg

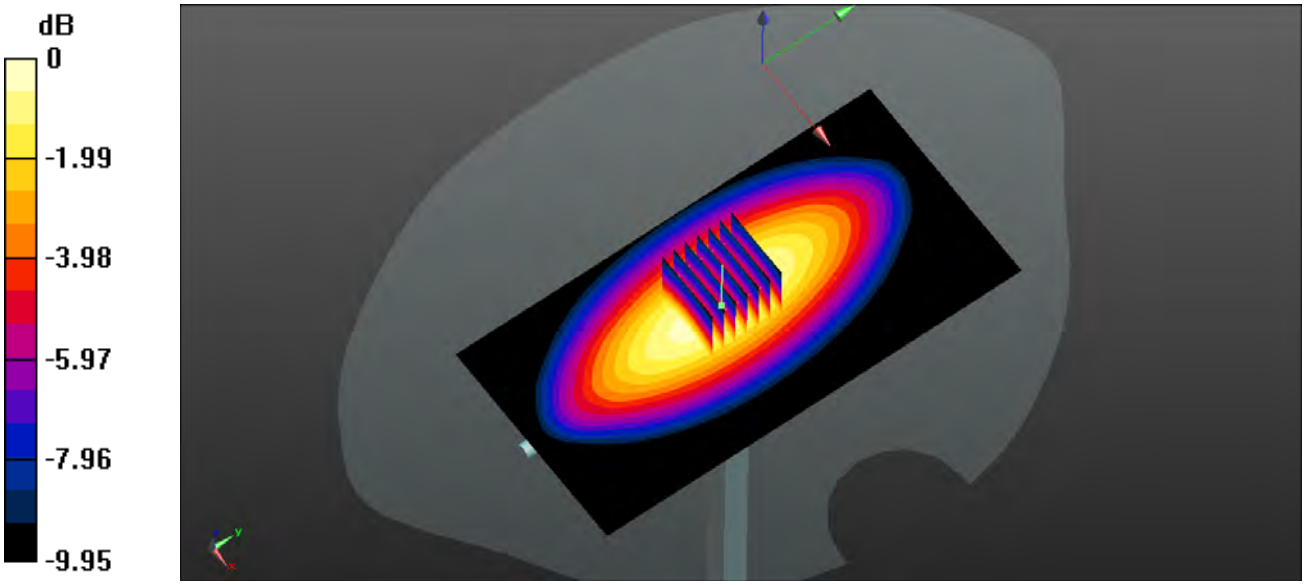
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.11 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.853 W/kg; SAR(10 g) = 0.514 W/kg

Maximum value of SAR (measured) = 0.916 W/kg



0 dB = 0.916 W/kg

System Performance Check Data (750MHz)

Date: 2022.02.22

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.871 S/m; ε_r = 41.216; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.912 W/kg

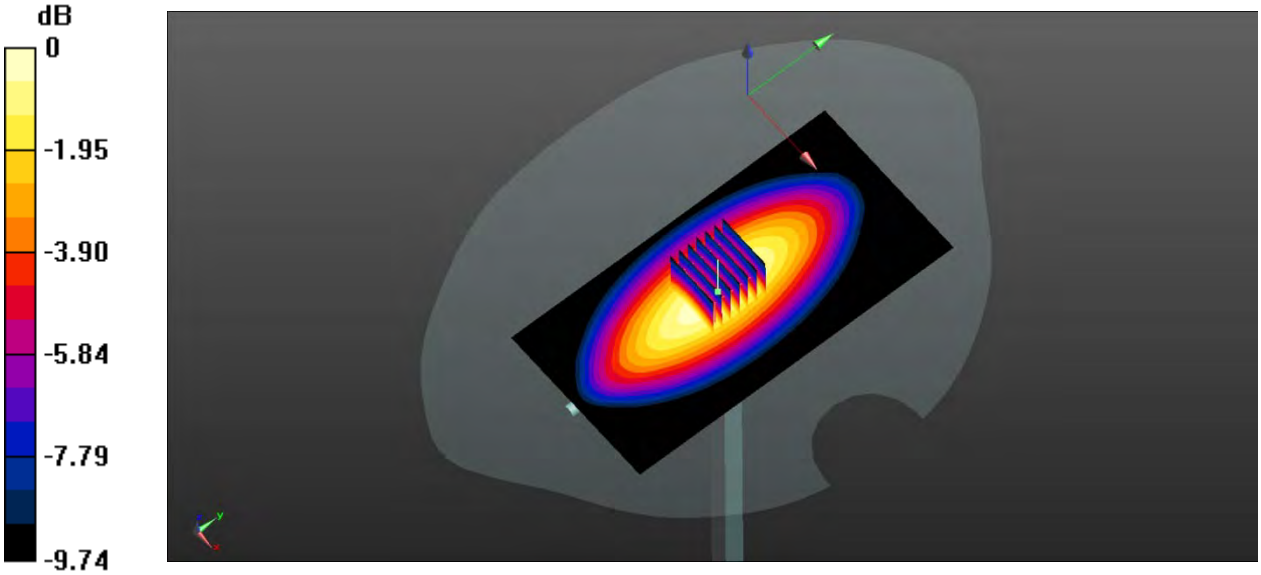
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.15 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.559 W/kg

Maximum value of SAR (measured) = 0.909 W/kg



0 dB = 0.909 W/kg

System Performance Check Data (835MHz)

Date: 2022.02.23

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

Medium parameters used: f = 835 MHz; σ = 0.906 S/m; ε_r = 42.261 ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.977 W/kg

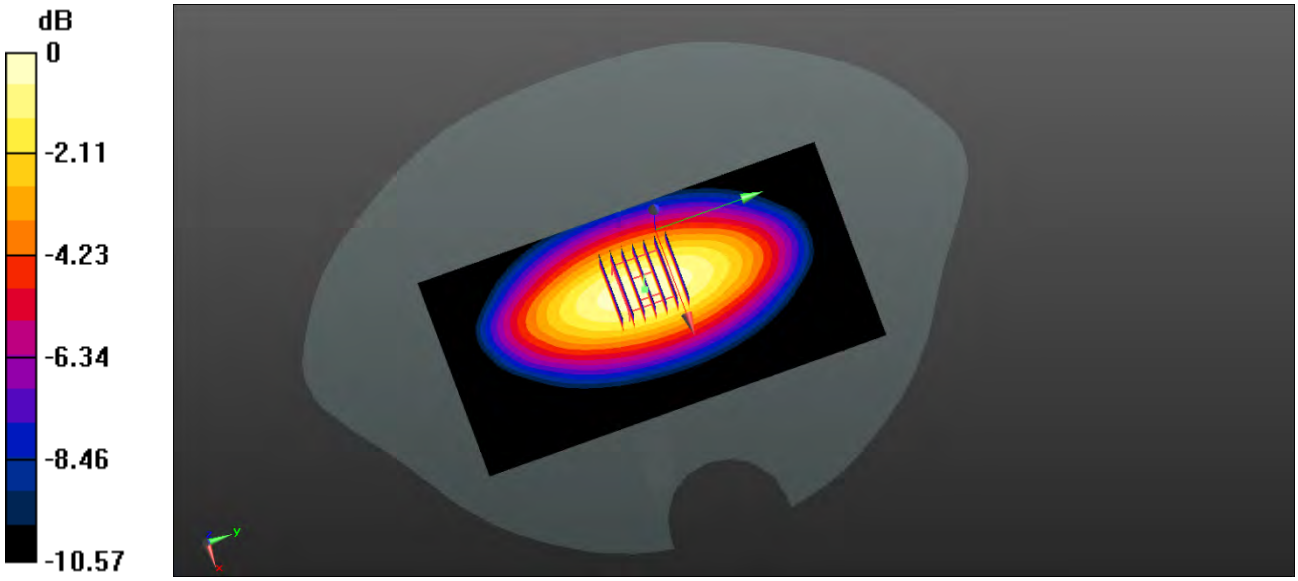
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.33 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.633 W/kg

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



0 dB = 0.981 W/kg

System Performance Check Data (835MHz)

Date: 2022.02.24

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

Medium parameters used: f = 835 MHz; σ = 0.913 S/m; ε_r = 41.756; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 1.03 W/kg

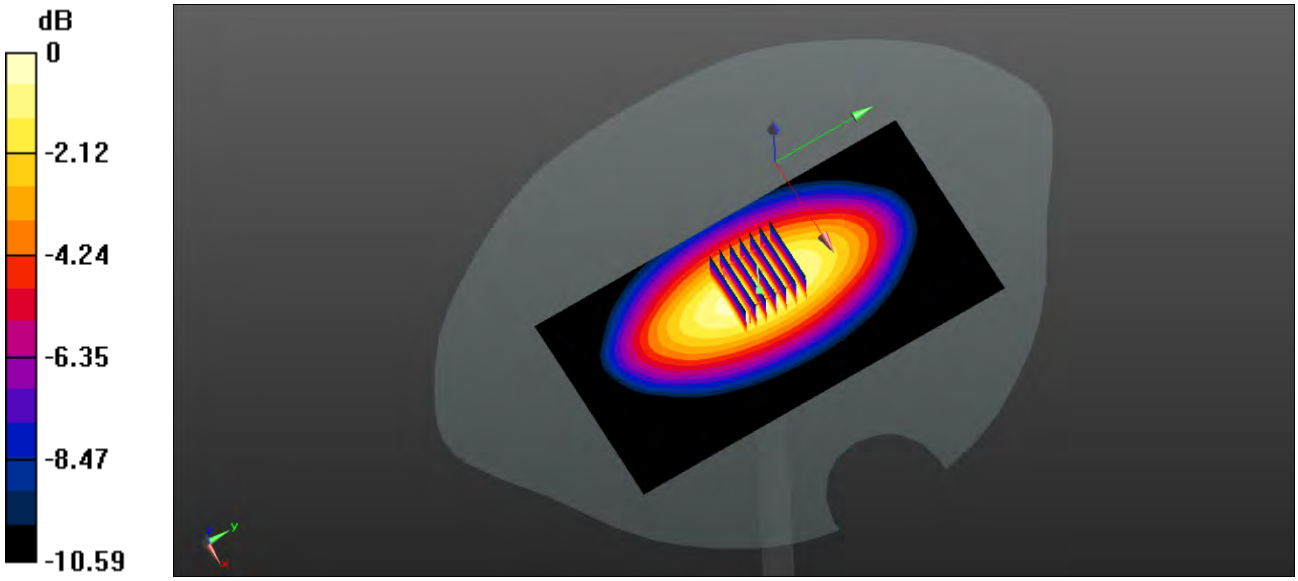
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.64 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.993 W/kg; SAR(10 g) = 0.626 W/kg

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg

System Performance Check Data (835MHz)

Date: 2022.02.25

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

Medium parameters used: f = 835 MHz; σ = 0.919 S/m; ε_r = 40.968; 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.995 W/kg

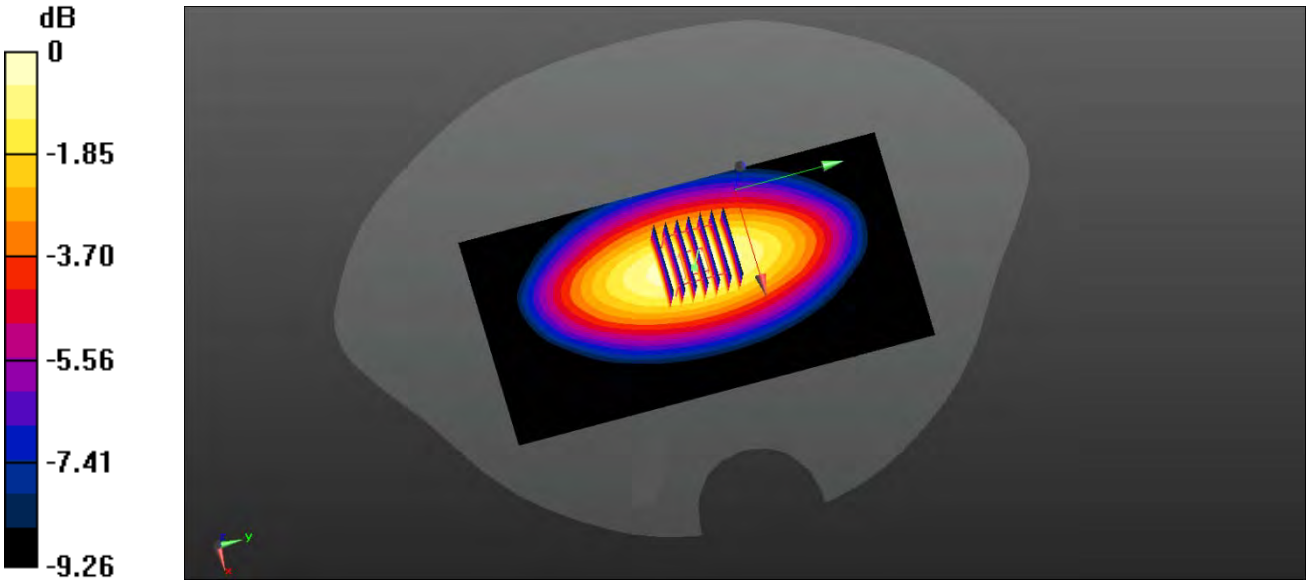
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.88 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.947 W/kg; SAR(10 g) = 0.627 W/kg

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



0 dB = 1.04 W/kg

System Performance Check Data (835MHz)

Date: 2022.02.26

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

Medium parameters used: f = 835 MHz; σ = 0.888 S/m; ε_r = 42.307; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.992 W/kg

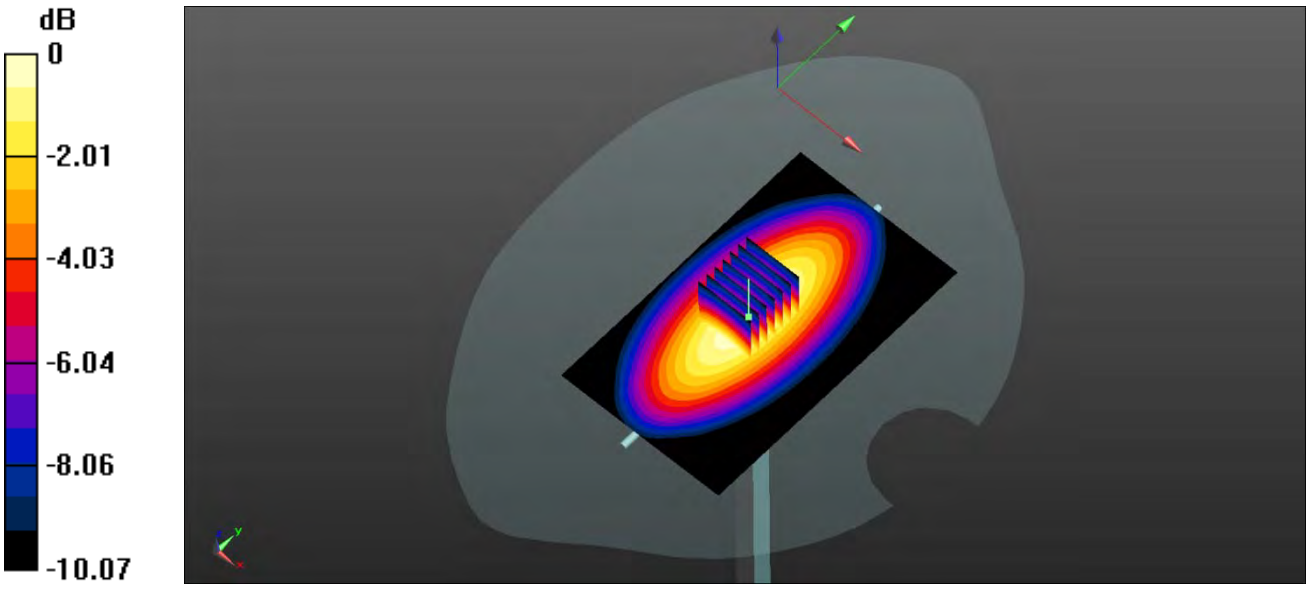
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.37 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.940 W/kg; SAR(10 g) = 0.654 W/kg

Maximum value of SAR (measured) = 0.999 W/kg



0 dB = 0.999 W/kg

System Performance Check Data (835MHz)

Date: 2022.02.27

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

Medium parameters used: f = 835 MHz; σ = 0.89 S/m; ε_r = 41.801; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.984 W/kg

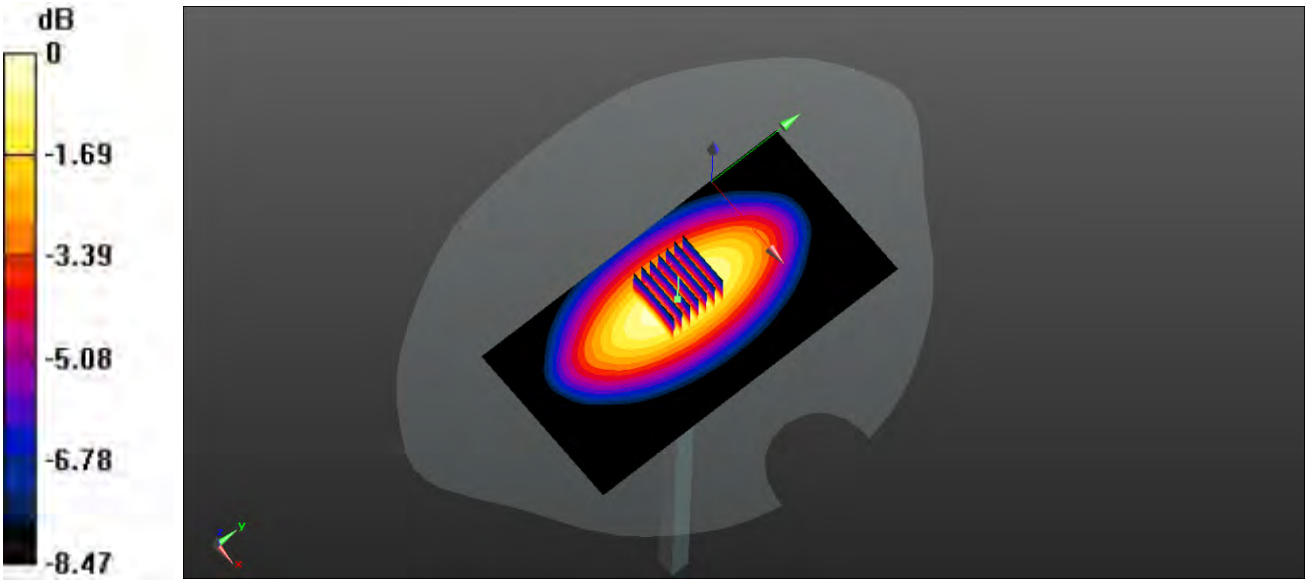
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.29 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.980 W/kg; SAR(10 g) = 0.653 W/kg

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



0 dB = 0.986 W/kg

System Performance Check Data (1750MHz)

Date: 2022.02.28

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.378 S/m; ε_r = 40.576; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.09 W/kg

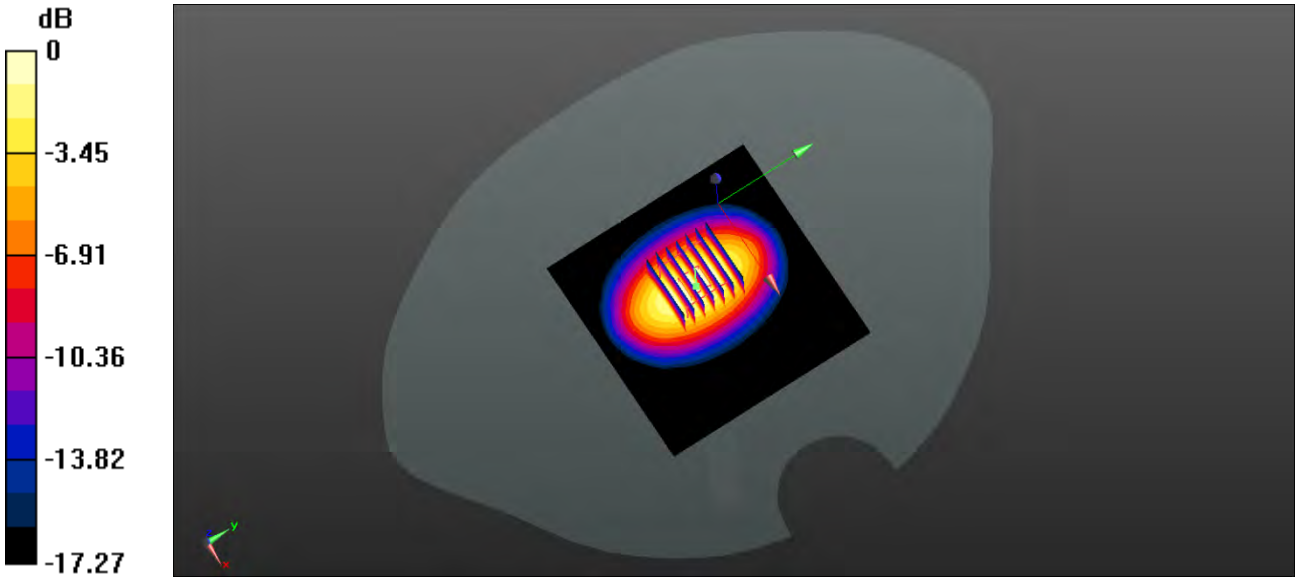
CW1750 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.31 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 6.87 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.95 W/kg

Maximum value of SAR (measured) = 4.15 W/kg



0 dB = 4.15 W/kg

System Performance Check Data (1750MHz)

Date: 2022.03.01

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

Medium parameters used: f = 1750 MHz; σ = 1.385 S/m; ε_r = 39.851; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.13 W/kg

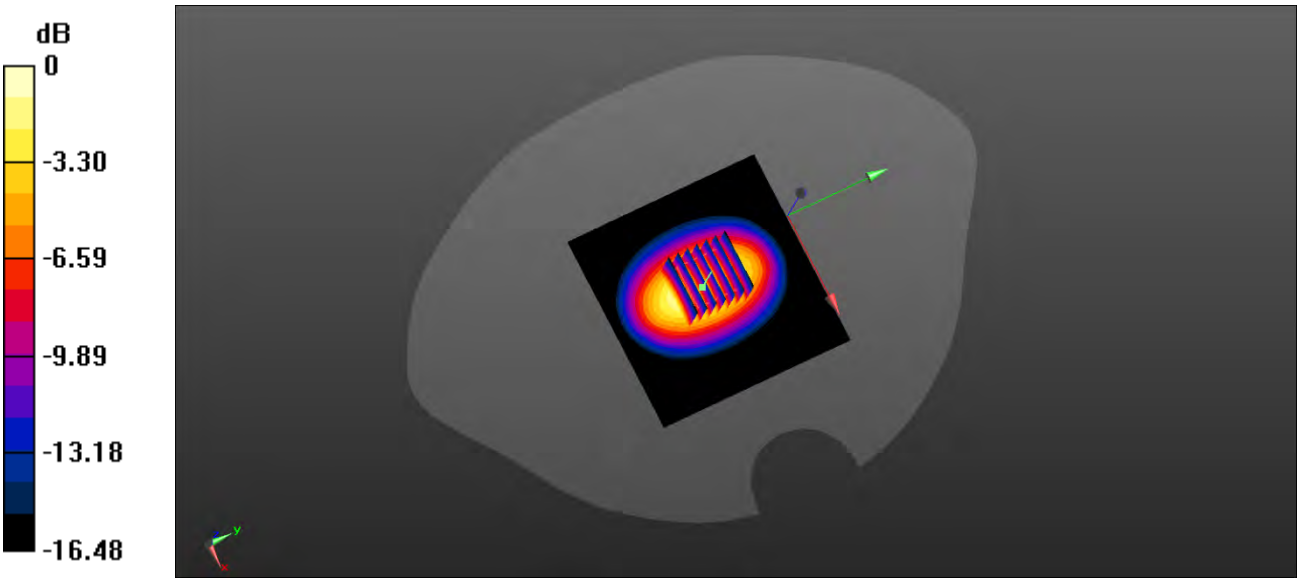
CW1750 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 42.87 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.68 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 4.12 W/kg



0 dB = 4.12 W/kg

System Performance Check Data (1750MHz)

Date: 2022.03.02

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

Medium parameters used (interpolated): f = 1750 MHz; σ = 1.391 S/m; ε_r = 39.375; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 4.05 W/kg

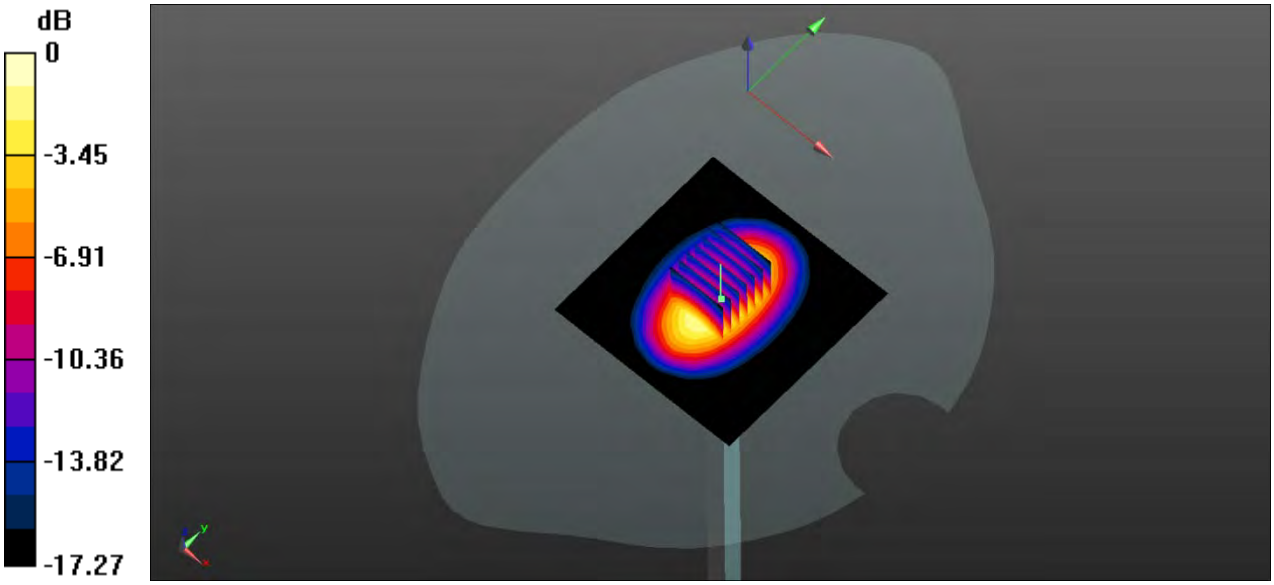
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.13 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.85 W/kg

SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.89 W/kg

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



0 dB = 4.17 W/kg

System Performance Check Data (1900MHz)

Date: 2022.03.03

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

Medium parameters used: f = 1900 MHz; σ = 1.381 S/m; ε_r = 39.681; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1900 HEAD 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.38 W/kg

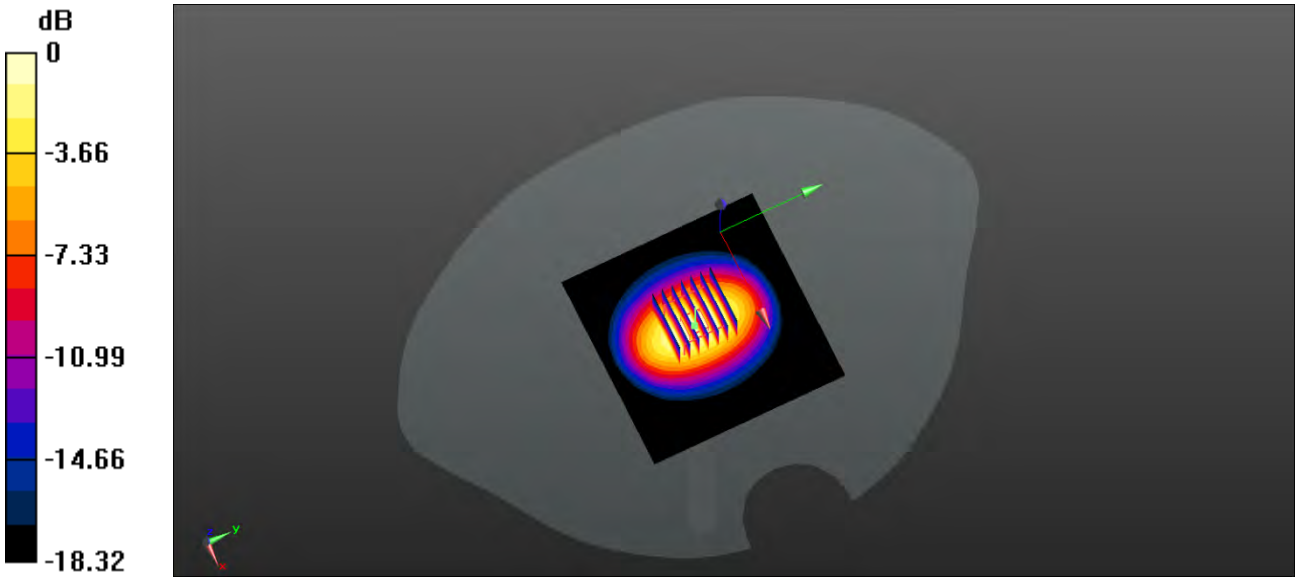
CW1900 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.24 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 6.99 W/kg

SAR(1 g) = 4.02 W/kg; SAR(10 g) = 2.1 W/kg

Maximum value of SAR (measured) = 4.42 W/kg



0 dB = 4.42 W/kg

System Performance Check Data (1900MHz)

Date: 2022.03.04

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

Medium parameters used: f = 1900 MHz; σ = 1.391 S/m; ε_r = 39.089; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 4.35 W/kg

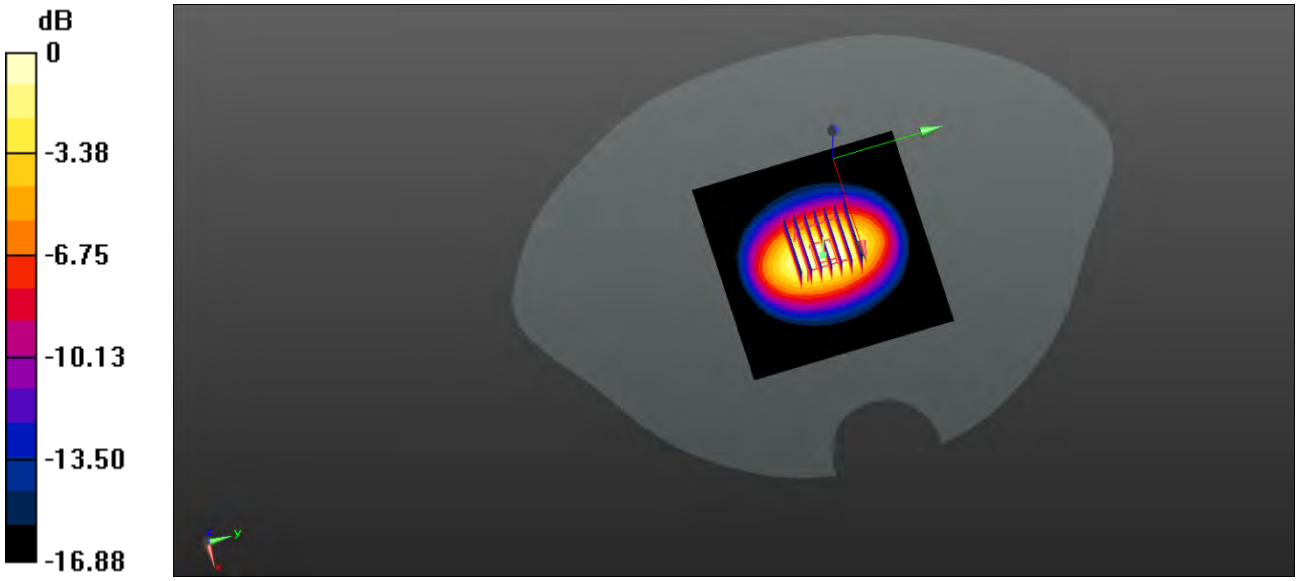
CW 1900 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.62 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.31 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 1.97 W/kg

Maximum value of SAR (measured) = 4.29 W/kg



0 dB = 4.29 W/kg

System Performance Check Data (1900MHz)

Date: 2022.03.05

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

Medium parameters used: f = 1900 MHz; σ = 1.401 S/m; ε_r = 38.544; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW1900 HEAD 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.61 W/kg

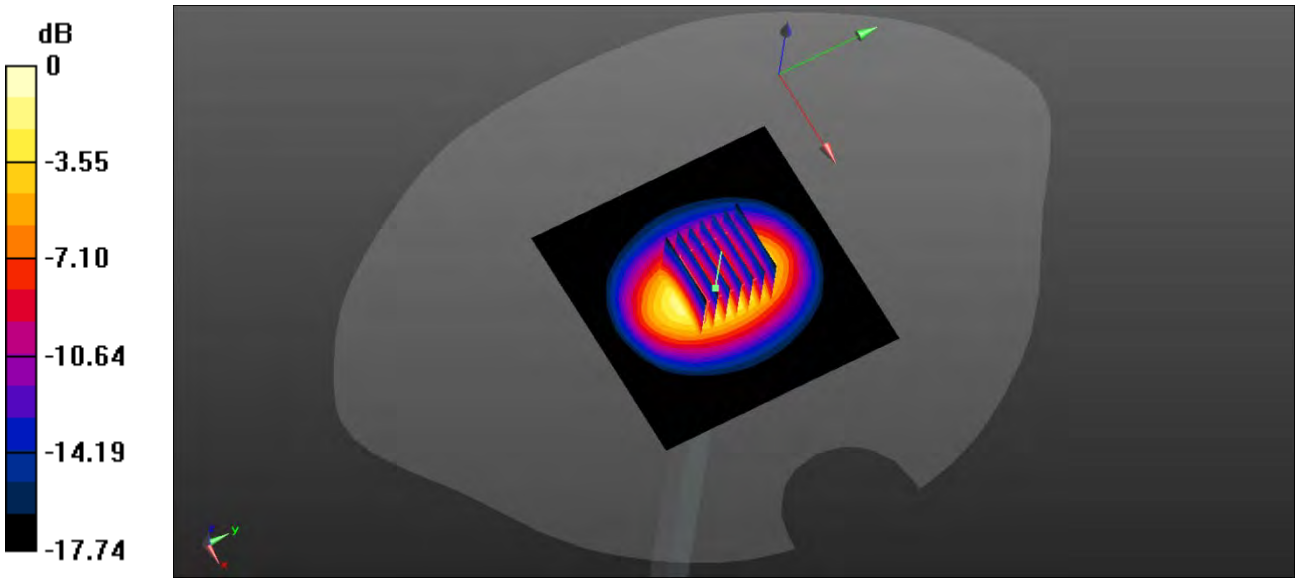
CW1900 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.91 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 7.83 W/kg

SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.11 W/kg

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



0 dB = 4.59 W/kg

System Performance Check Data (2450MHz)

Date: 2022.03.06

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

Medium parameters used: f = 2450 MHz; σ = 1.817 S/m; ε_r = 39.63; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW2450 HEAD 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.88 W/kg

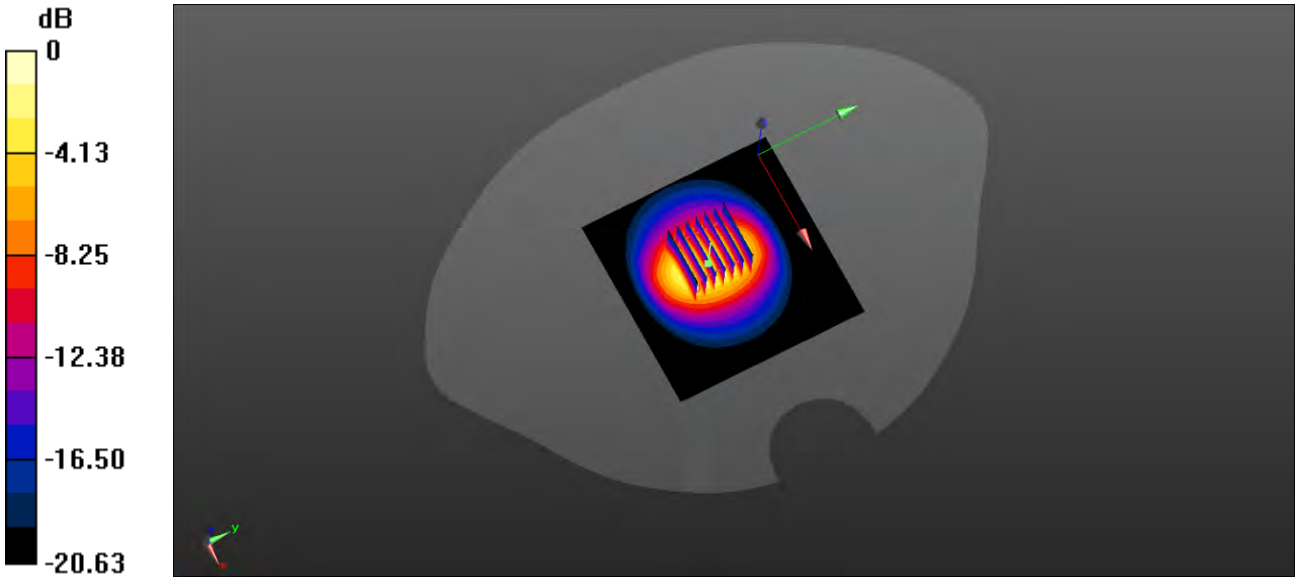
CW2450 HEAD 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.39 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.24 W/kg; SAR(10 g) = 2.42 W/kg

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



0 dB = 5.97 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.07

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

Medium parameters used: f = 2600 MHz; σ = 1.972 S/m; ε_r = 39.508; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.53 W/kg

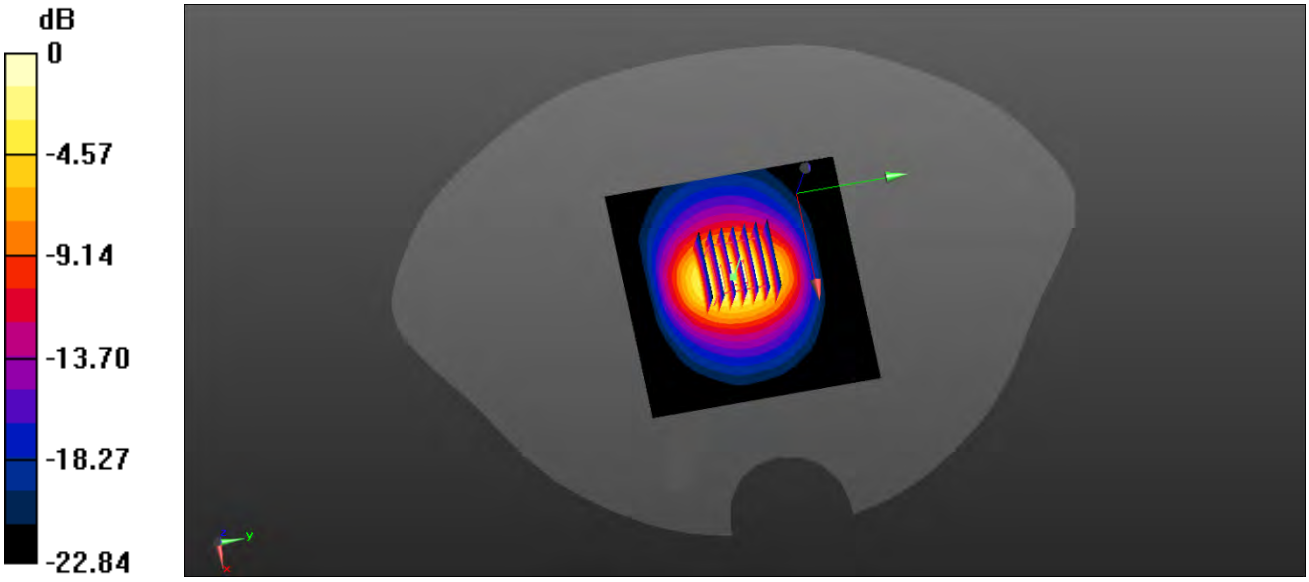
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.08 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.64 W/kg; SAR(10 g) = 2.52 W/kg

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



0 dB = 6.44 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.08

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

Medium parameters used: f = 2600 MHz; σ = 1.991 S/m; ε_r = 38.841; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW /Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

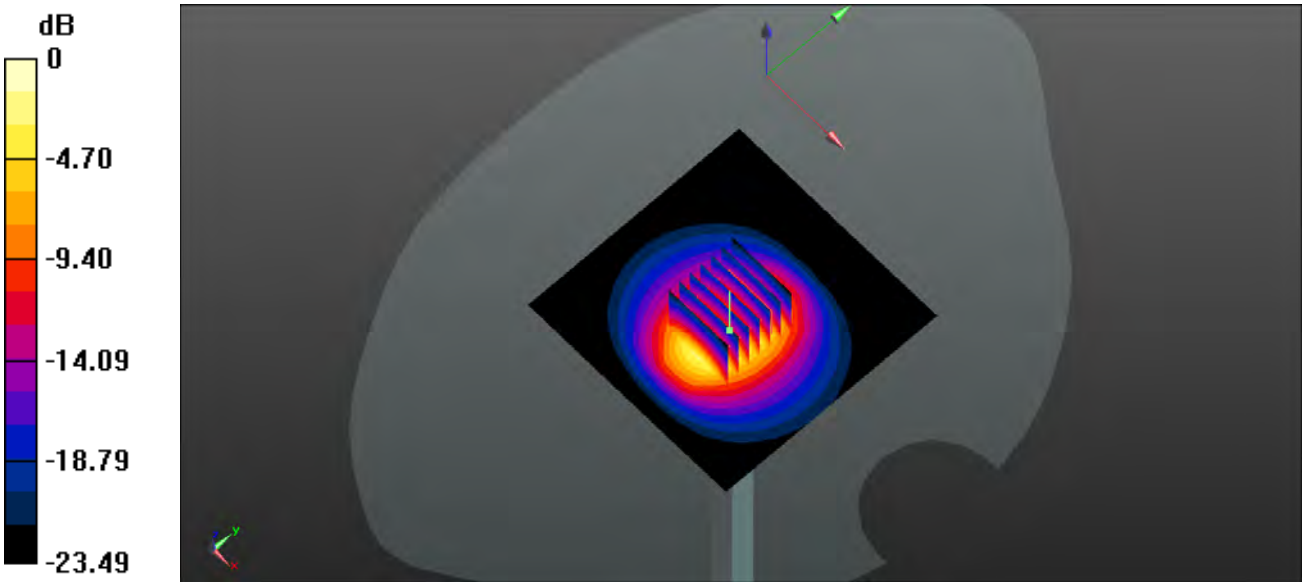
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.32 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.4 W/kg

Maximum value of SAR (measured) = 6.34 W/kg



0 dB = 6.34 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.09

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 2.004 S/m; ε_r = 38.3; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.74 W/kg

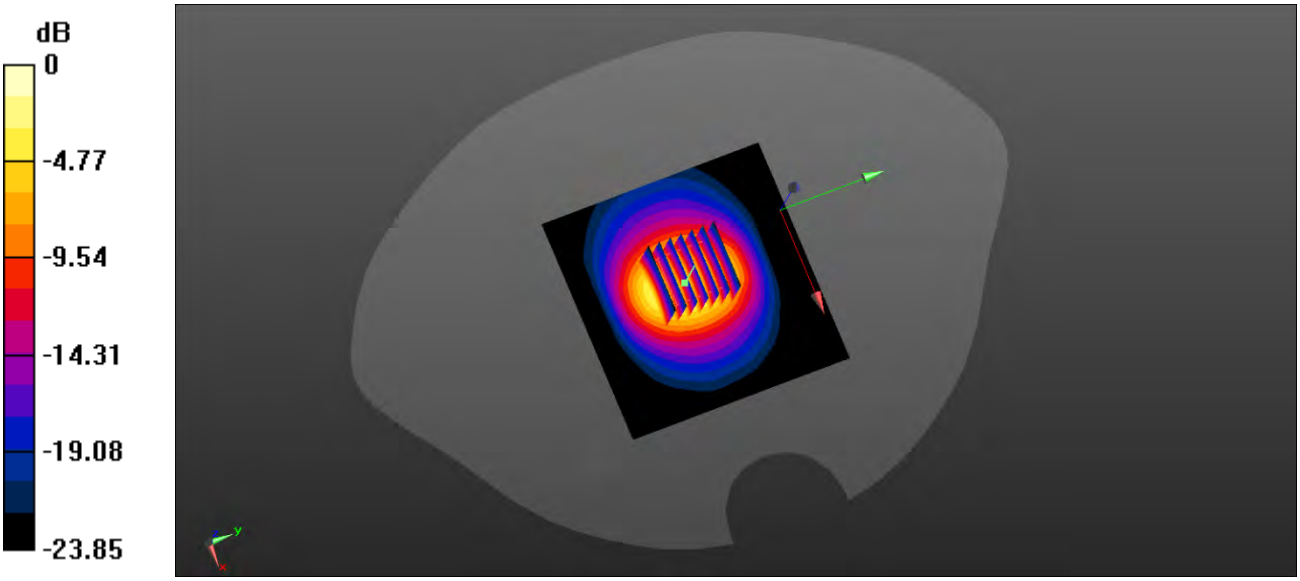
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.86 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 13.7 W/kg

SAR(1 g) = 5.77 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 6.68 W/kg



0 dB = 6.68 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.10

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 2.025 S/m; ε_r = 37.88; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW /Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.47 W/kg

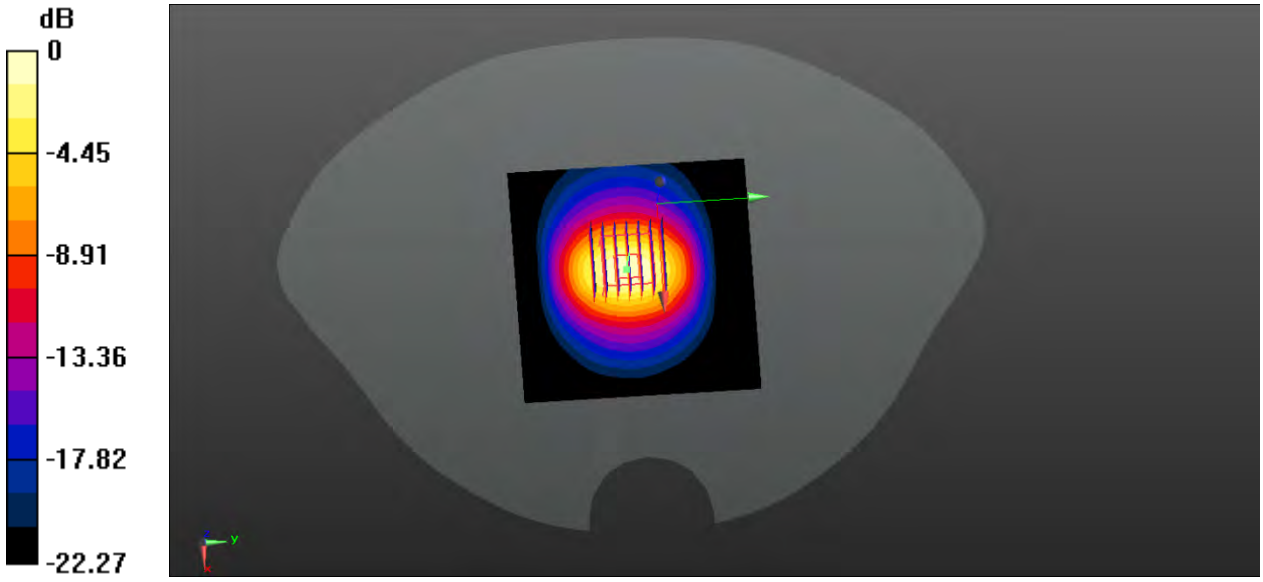
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.88 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.5 W/kg

Maximum value of SAR (measured) = 6.32 W/kg



0 dB = 6.32 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.11

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 = 39.224; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.47 W/kg

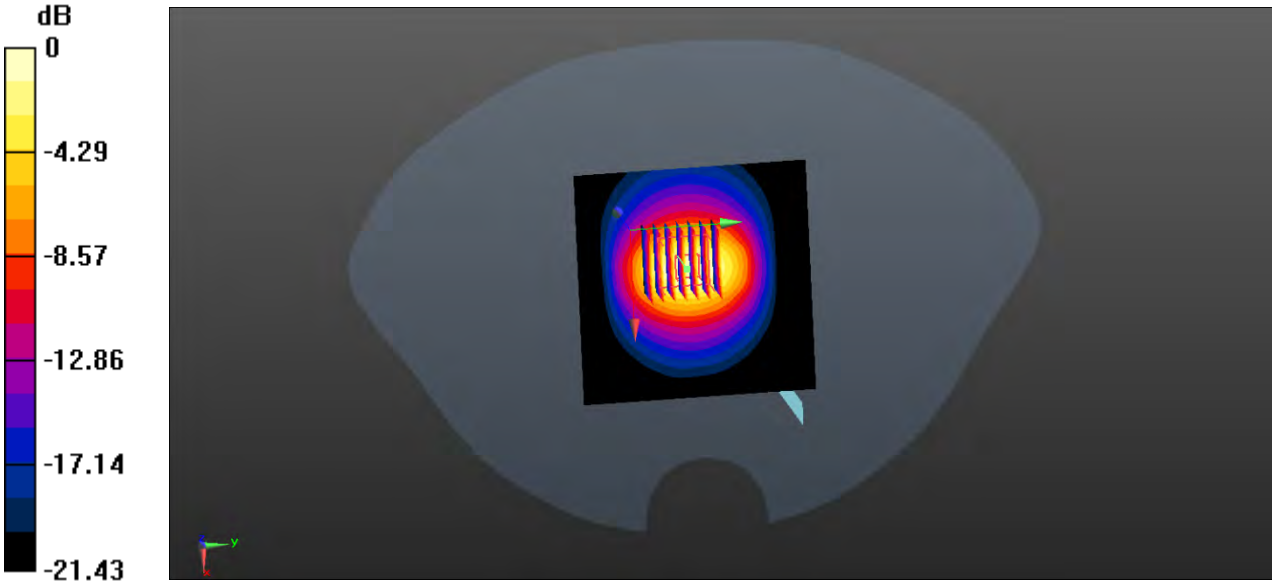
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.78 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 13.8 W/kg

SAR(1 g) = 5.75 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 6.39 W/kg



0 dB = 6.39 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.12

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.961 S/m; ε_r = 38.717; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.09 W/kg

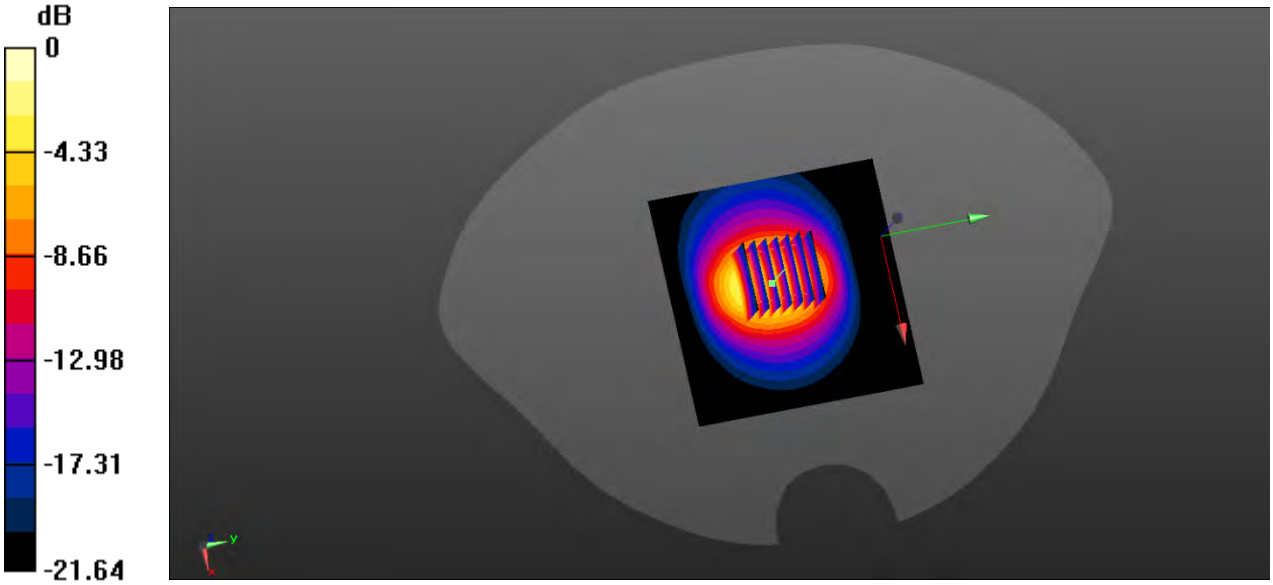
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.23 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.44 W/kg

Maximum value of SAR (measured) = 6.11 W/kg



0 dB = 6.11 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.13

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

Medium parameters used: f = 2600 MHz; σ = 1.976 S/m; ε_r = 38.292; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.51 W/kg

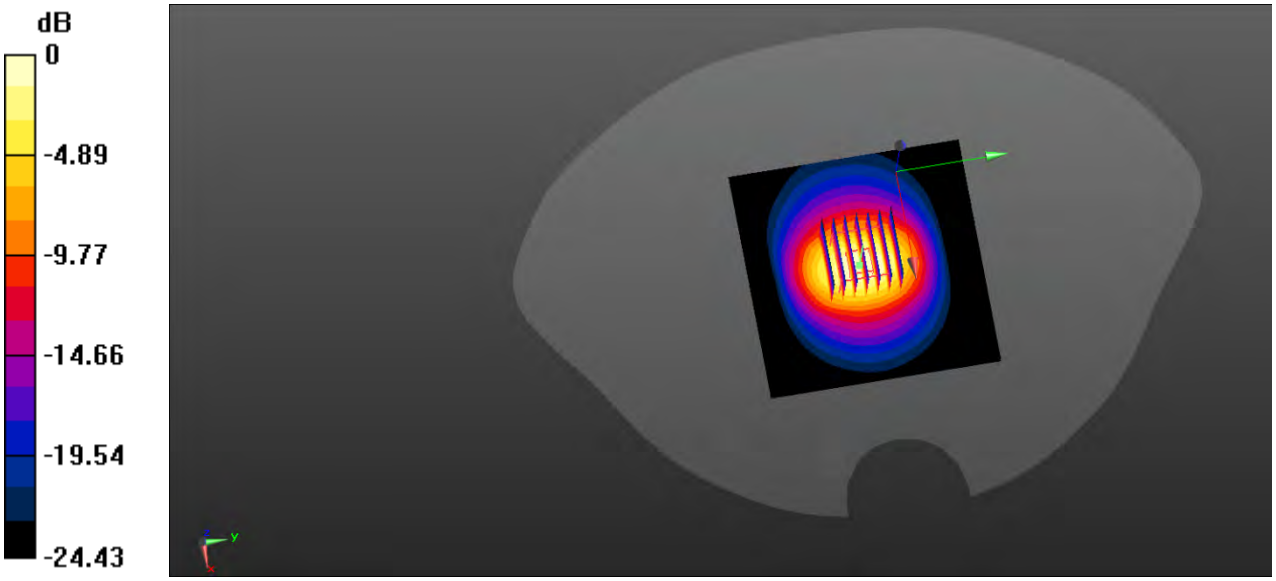
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.27 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.65 W/kg; SAR(10 g) = 2.45 W/kg

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



0 dB = 5.89 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.14

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

Medium parameters used: f = 2600 MHz; σ = 1.986 S/m; ε_r = 37.91; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.14 W/kg

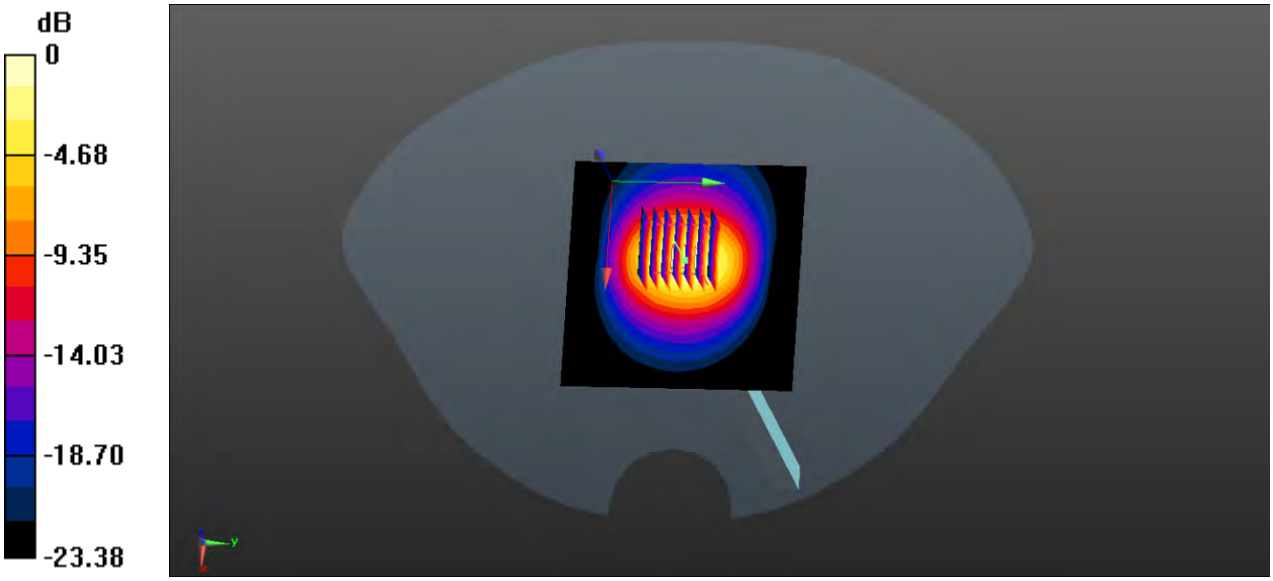
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.05 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.6 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 6.23 W/kg



0 dB = 6.23 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.15

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

Medium parameters used: f = 2600 MHz; σ = 1.986 S/m; ε_r = 39.243; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

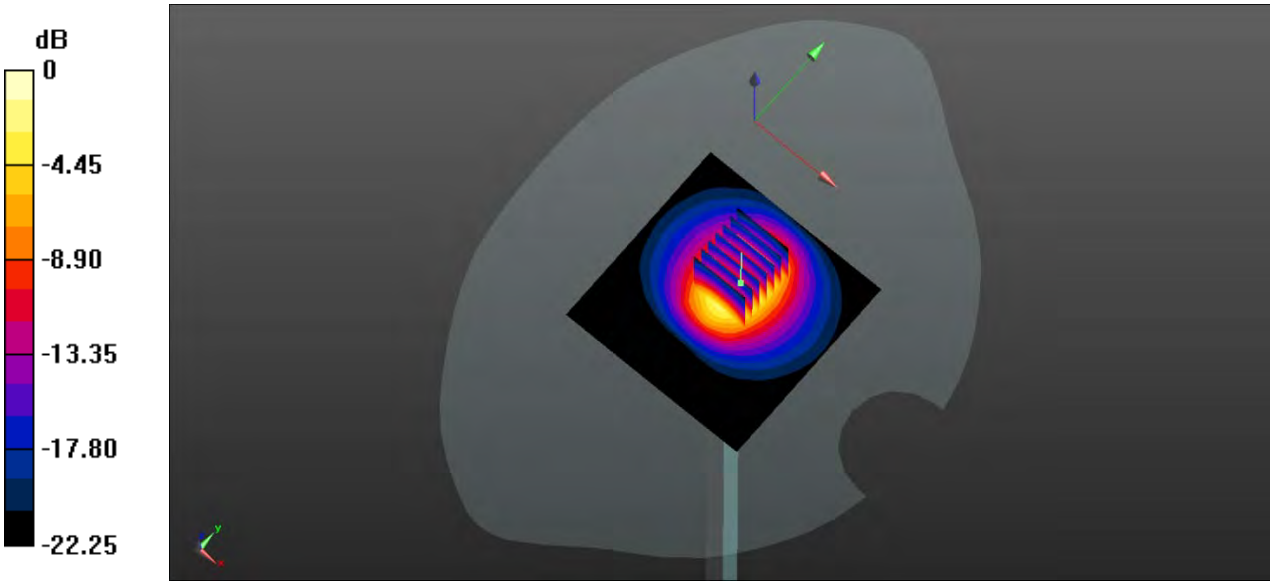
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.12 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.8 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 6.22 W/kg



0 dB = 6.22 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.16

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

Medium parameters used: f = 2600 MHz; σ = 2.02 S/m; ε_r = 38.388; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

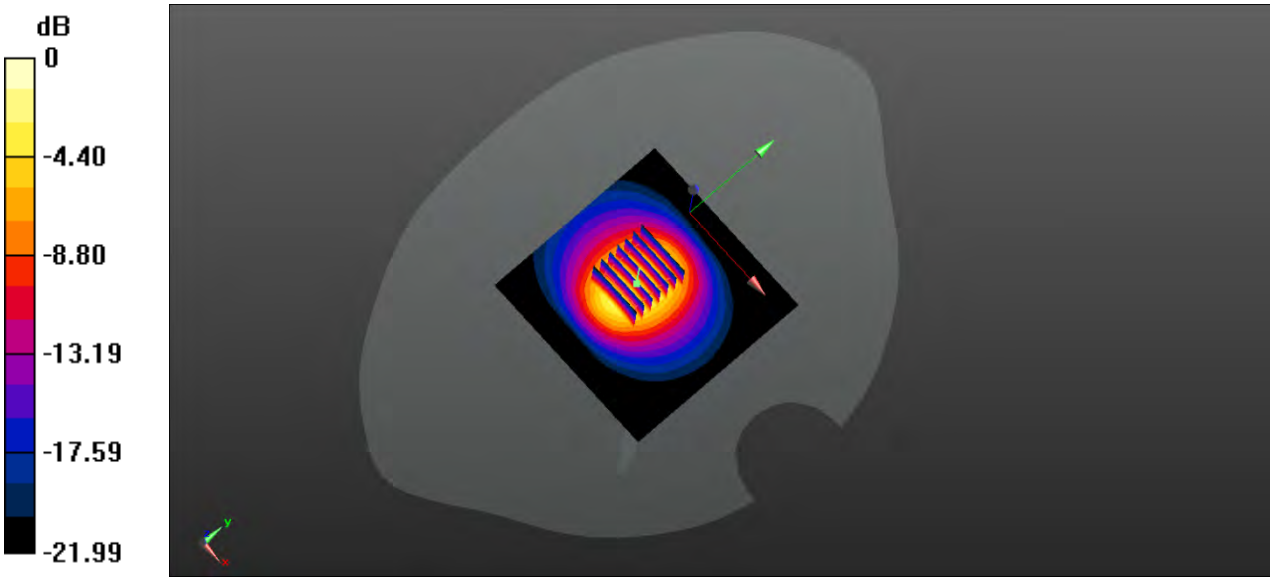
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.24 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 5.76 W/kg; SAR(10 g) = 2.56 W/kg

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



0 dB = 6.31 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.17

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.934 S/m; ε_r = 39.268; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.39 W/kg

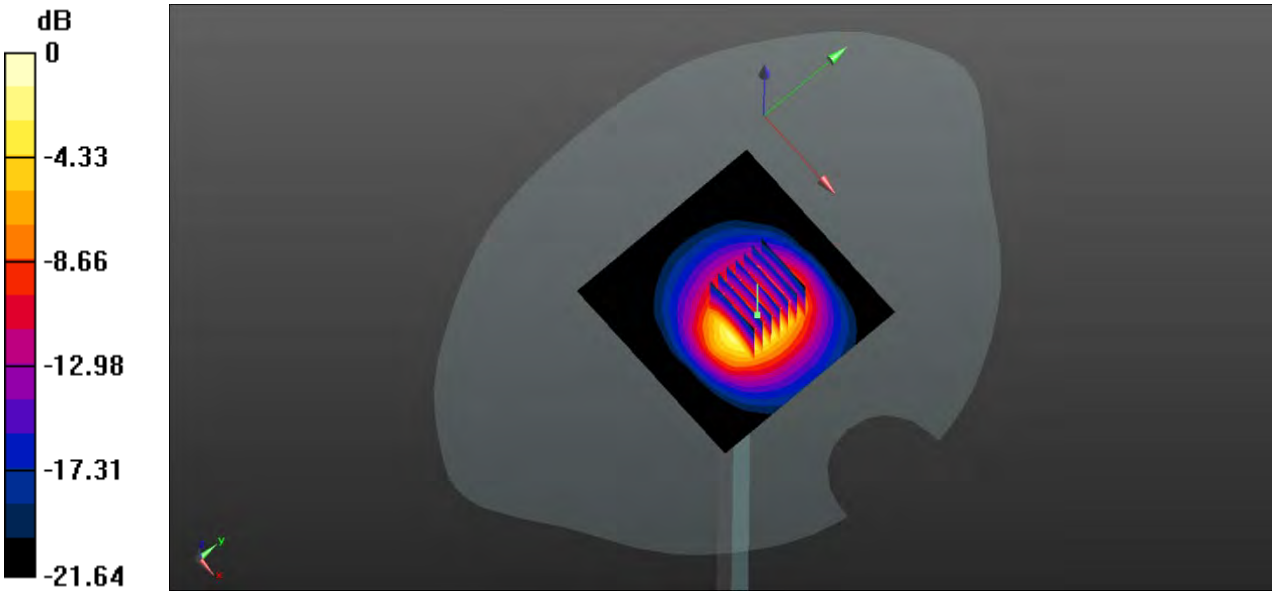
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.27 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 5.78 W/kg; SAR(10 g) = 2.43 W/kg

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



0 dB = 6.33 W/kg

System Performance Check Data (2600MHz)

Date: 2022.03.18

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.958 S/m; ε_r = 38.489; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2600 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.07 W/kg

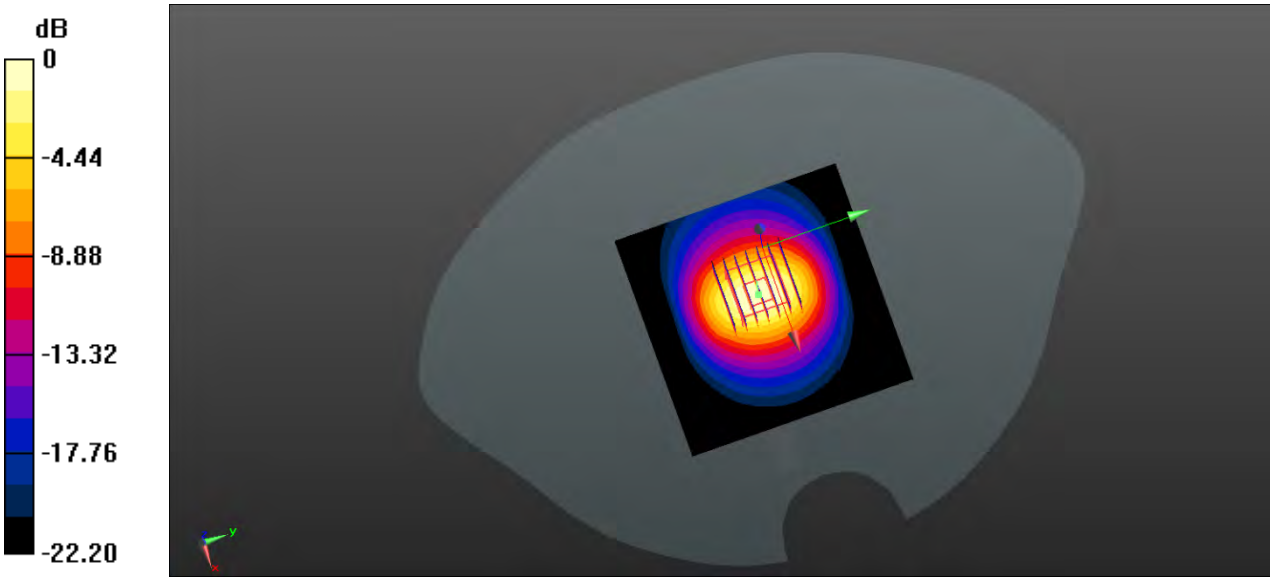
CW 2600 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.43 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.35 W/kg

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



0 dB = 6.02 W/kg

System Performance Check Data (5250MHz)

Date: 2022.03.19

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

Medium parameters used: f = 5250 MHz; σ = 4.725 S/m; ε_r = 35.225; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 8.02 W/kg

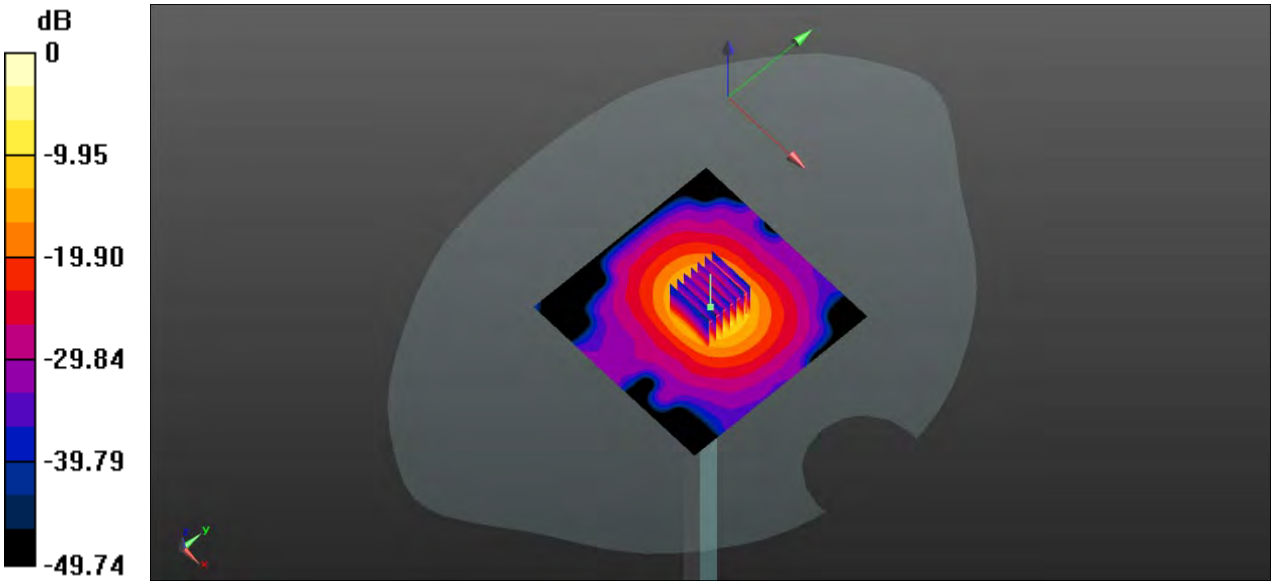
CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 35.43 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.11 W/kg

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



0 dB = 18.9 W/kg

System Performance Check Data (5600MHz)

Date: 2022.03.20

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

Medium parameters used: f = 5600 MHz; σ = 5.065 S/m; ε_r = 36.312; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW5600 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.99 W/kg

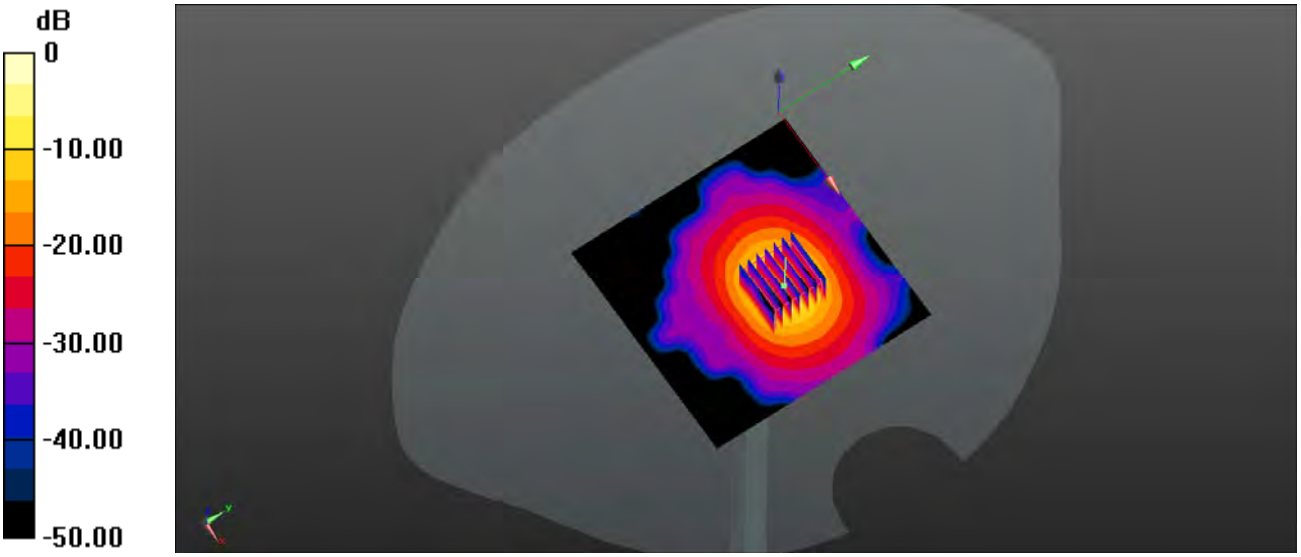
CW5600 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.38 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 37.9 W/kg

SAR(1 g) = 7.97W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.6 W/kg

System Performance Check Data (5750MHz)

Date: 2022.03.21

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

Medium parameters used: f = 5750 MHz; σ = 5.078 S/m; ε_r = 34.794; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 5750 100mW/Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.75 W/kg

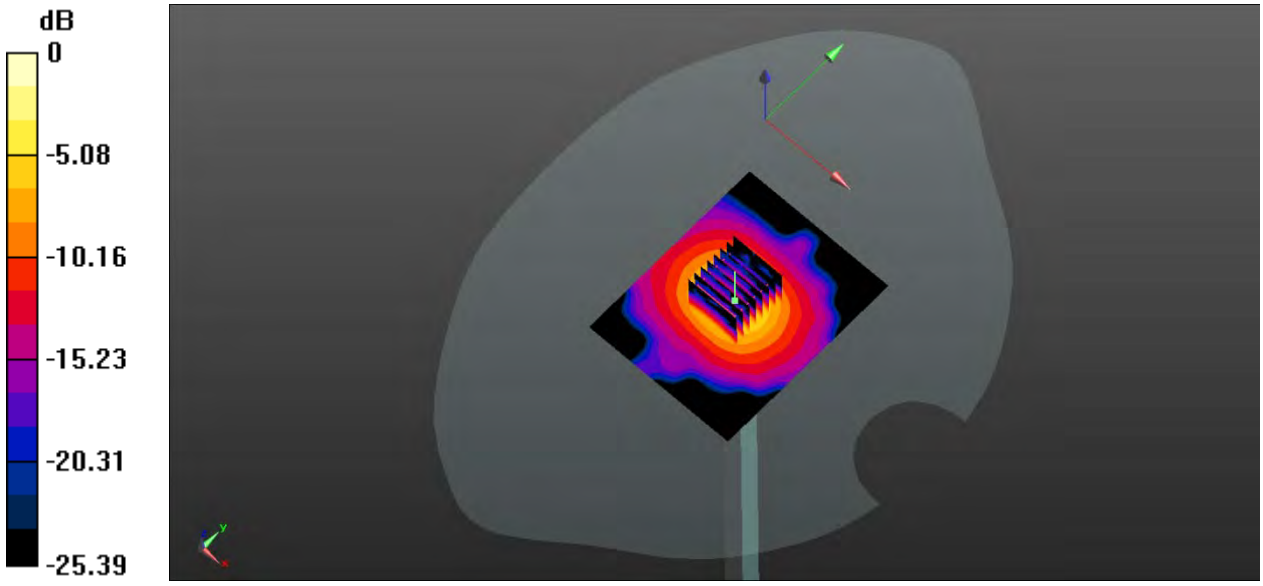
CW 5750 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.03 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 36.1 W/kg

SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.24 W/kg

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



0 dB = 15.1 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel in GPRS850 2Slots mode with Antenna 1

Date: 2022.02.23

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

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.91 S/m; ε_r = 42.134; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch128/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.961 W/kg

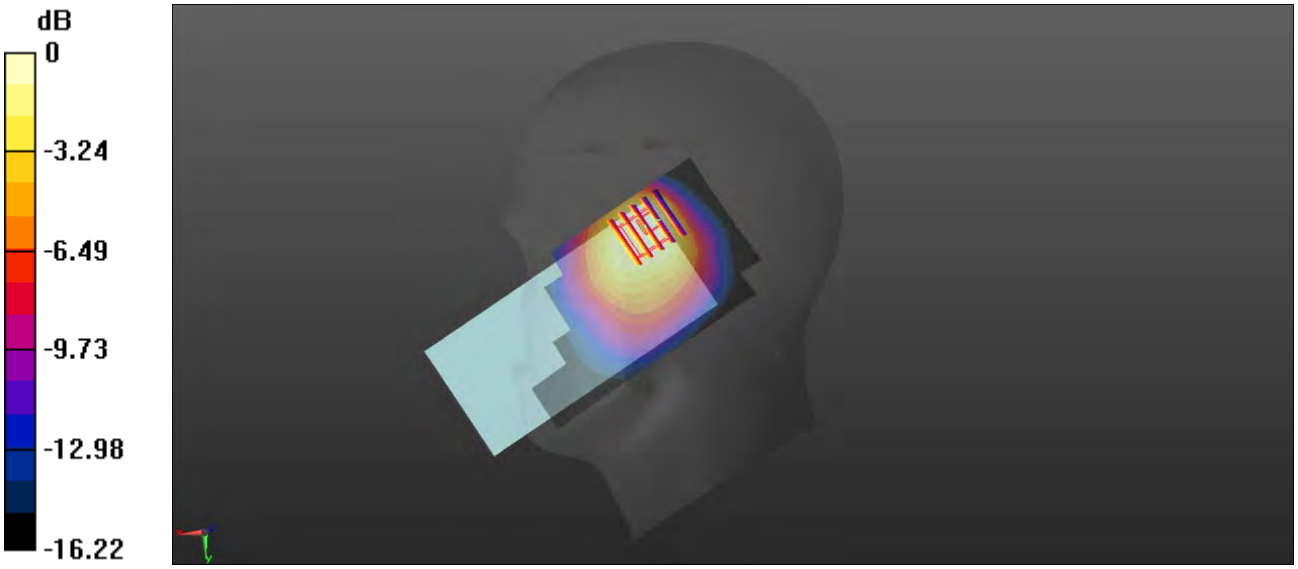
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.75 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.497 W/kg

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



0 dB = 0.842 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 2Slots mode with Antenna 0

Date: 2022.02.23

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

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.91 S/m; ε_r = 42.134; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.162 W/kg

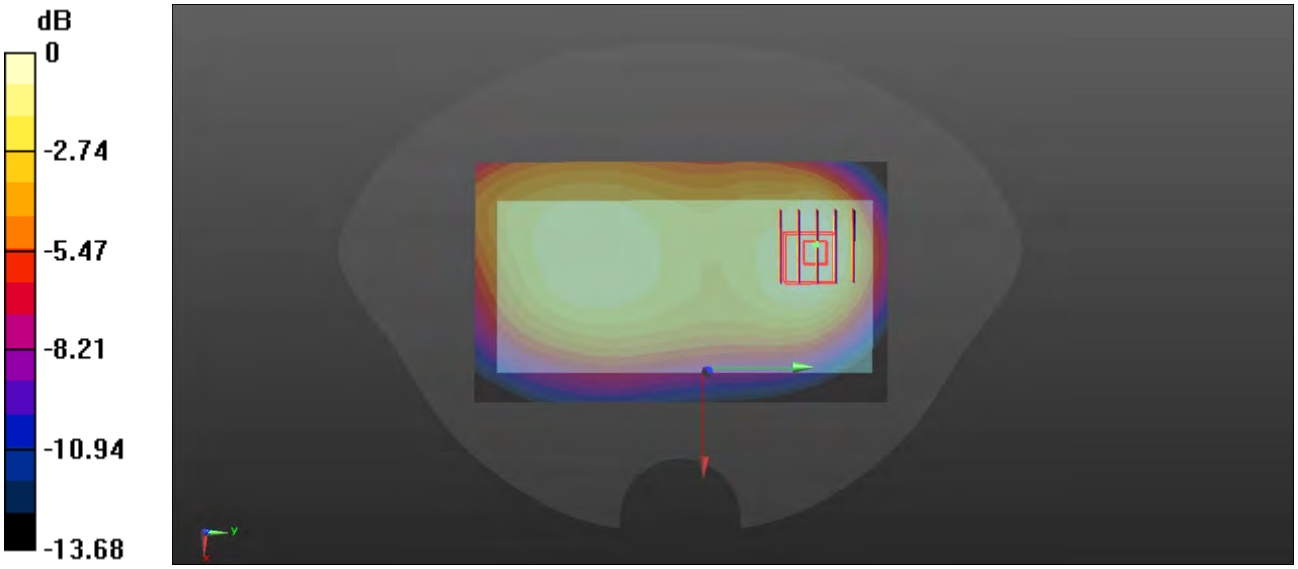
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.978 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.156 W/kg

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

Date: 2022.02.23

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

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.91 S/m; ε_r = 42.134; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.280 W/kg

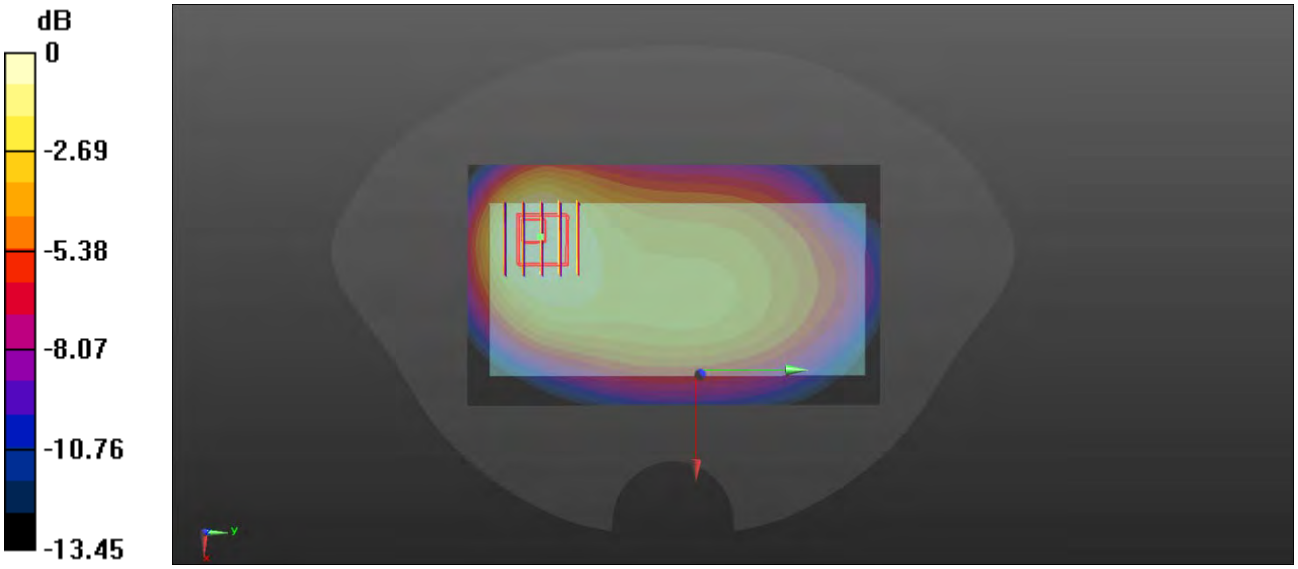
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.70 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.274 W/kg



0 dB = 0.274 W/kg

Meas.4 Right Head with Tilt on Middle Channel in GPRS1900 2Slots mode with Antenna 1

Date: 2022.03.03

Communication System Band: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.38 S/m; ε_r = 39.8; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.18 W/kg

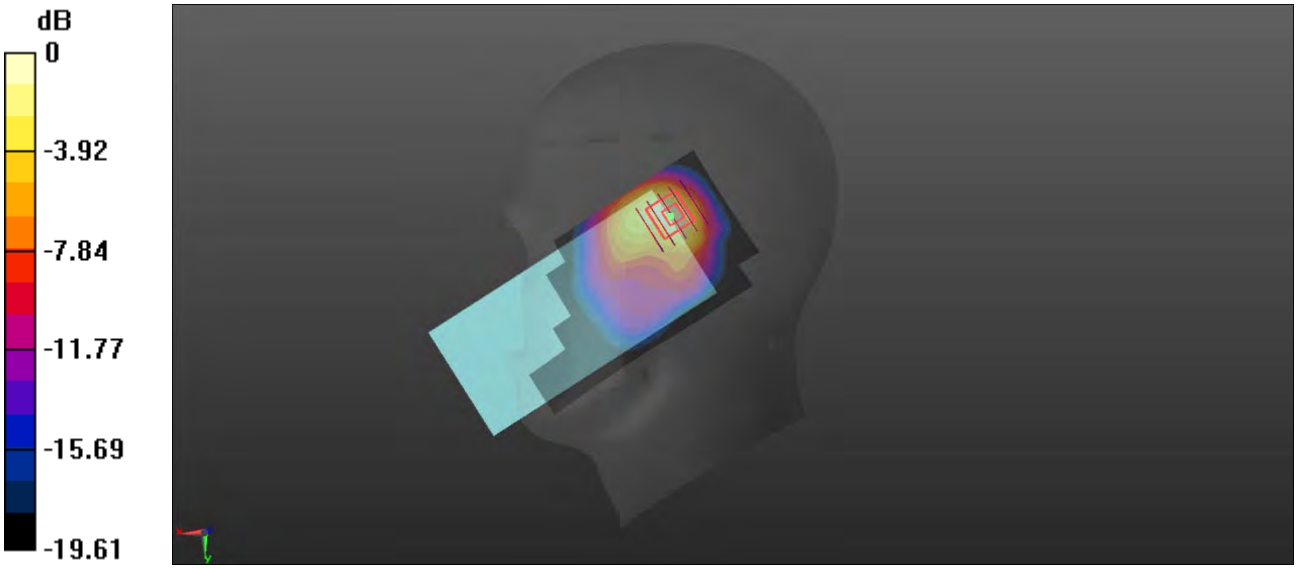
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.25 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.967 W/kg; SAR(10 g) = 0.465 W/kg

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg

Meas.5 Body Plane with Back Side 15mm on Middle Channel in GPRS1900 2Slots mode with Antenna 1

Date: 2022.03.03

Communication System Band: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.38 S/m; ε_r = 39.8; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.321 W/kg

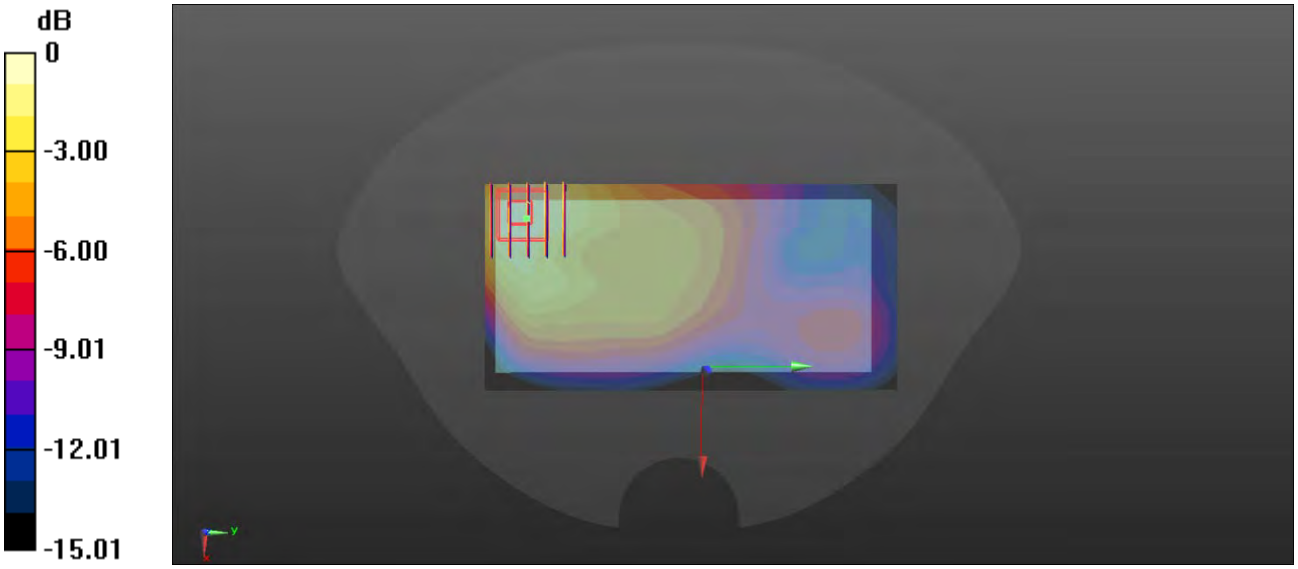
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.758 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.317 W/kg



0 dB = 0.317 W/kg

Meas.6 Body Plane with Bottom Edge 10mm on Middle Channel in GPRS1900 4Slots mode with Antenna 0

Date: 2022.03.03

Communication System Band: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.38 S/m; ε_r = 39.8; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.414 W/kg

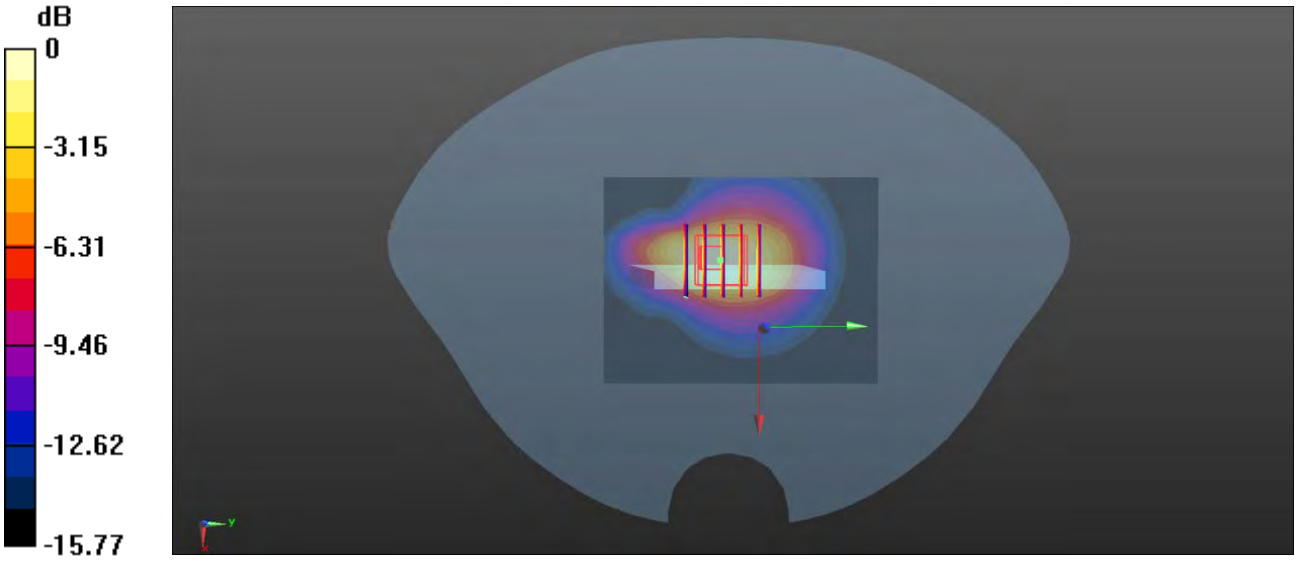
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.69 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.597 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.193 W/kg

Maximum value of SAR (measured) = 0.406 W/kg



0 dB = 0.406 W/kg

Meas.7 Right Head with Tilt on High Channel in WCDMA Band2 mode with Antenna 1

Date: 2022.03.04

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

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.394 S/m; ε_r = 39.011; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.955 W/kg

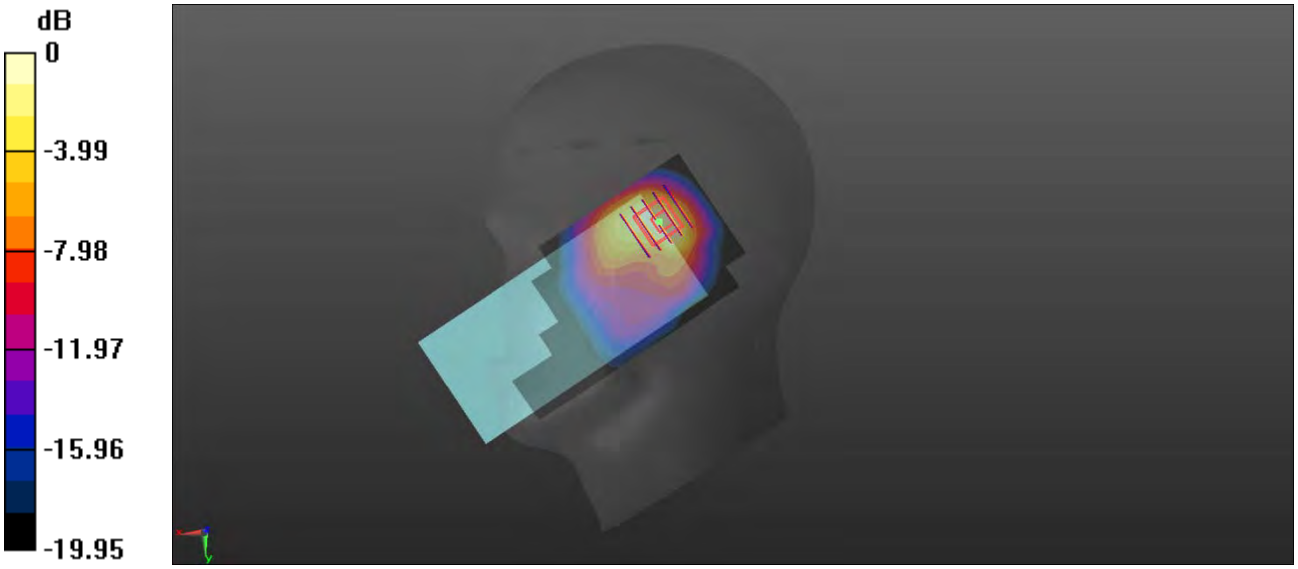
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.50 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.777 W/kg; SAR(10 g) = 0.376 W/kg

Maximum value of SAR (measured) = 0.864 W/kg



0 dB = 0.864 W/kg

Meas.8 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 1

Date: 2022.03.04

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.39 S/m; ε_r = 39.285; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.252 W/kg

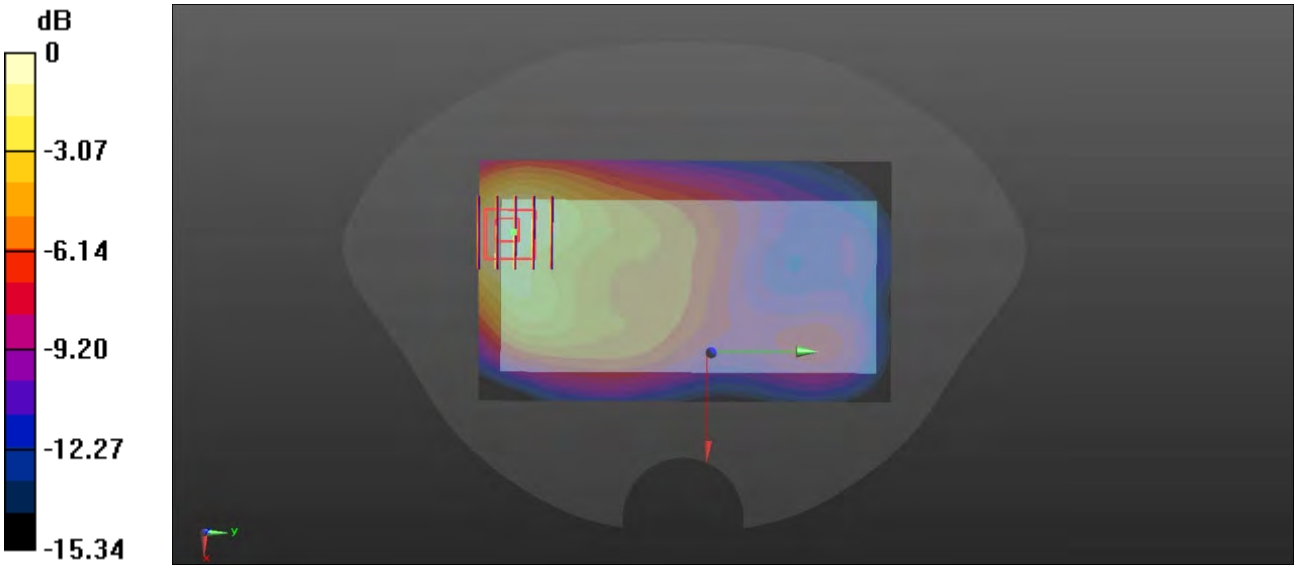
Ch9400 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.663 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.390 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg

Meas.9 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band2 mode with Antenna 0

Date: 2022.03.04

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.39 S/m; ε_r = 39.285; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.443 W/kg

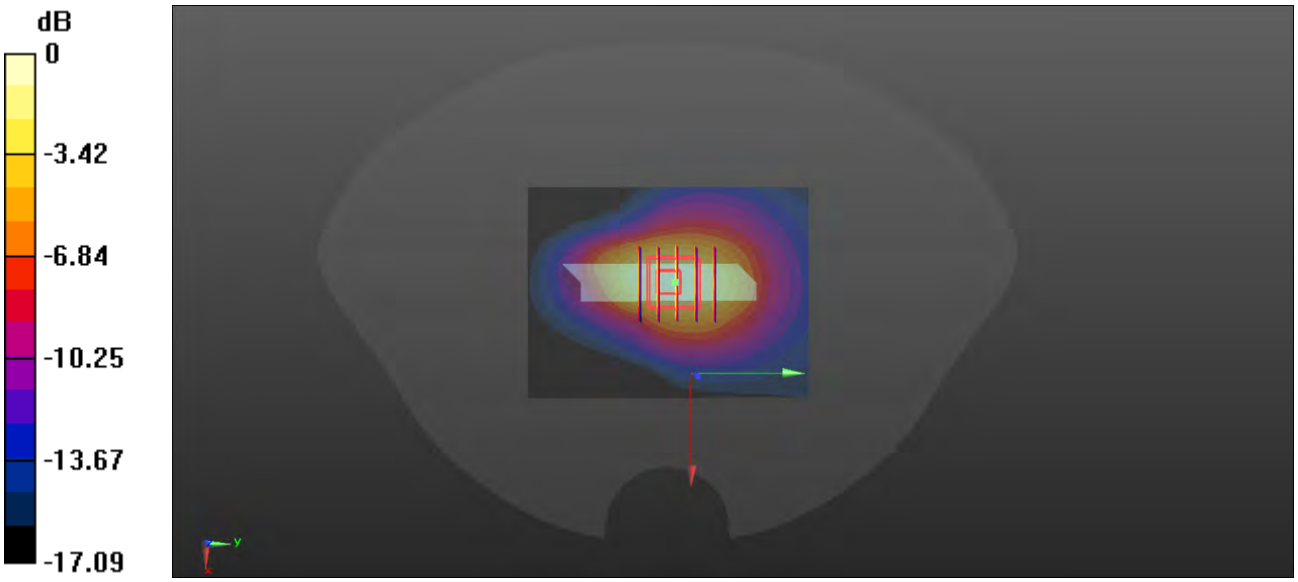
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.09 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.652 W/kg

SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.214 W/kg

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



0 dB = 0.424 W/kg

Meas.10 Right Head with Tilt on High Channel in WCDMA Band4 mode with Antenna 1

Date: 2022.02.28

Communication System Band: IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1752.6MHz; σ = 1.381 S/m; ε_r = 40.454; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

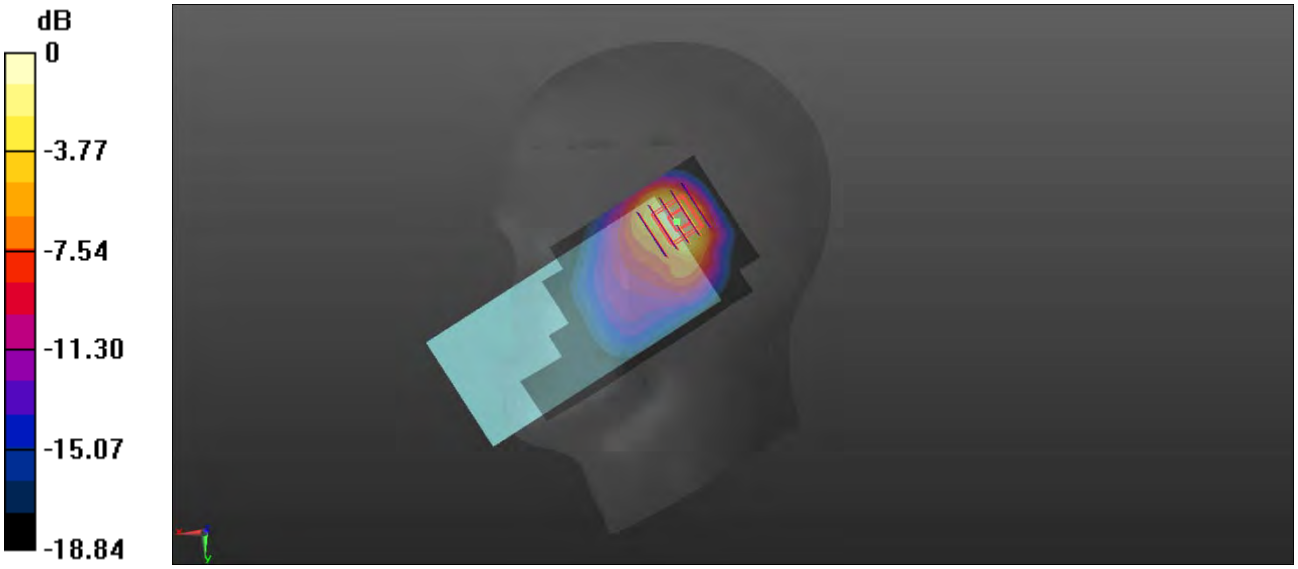
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.82 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.416 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg

Meas.11 Body Plane with Back Side 15mm on High Channel in WCDMA Band4 mode with Antenna 0

Date: 2022.02.28

Communication System Band: IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1752.6MHz; σ = 1.381 S/m; ε_r = 40.454; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.269 W/kg

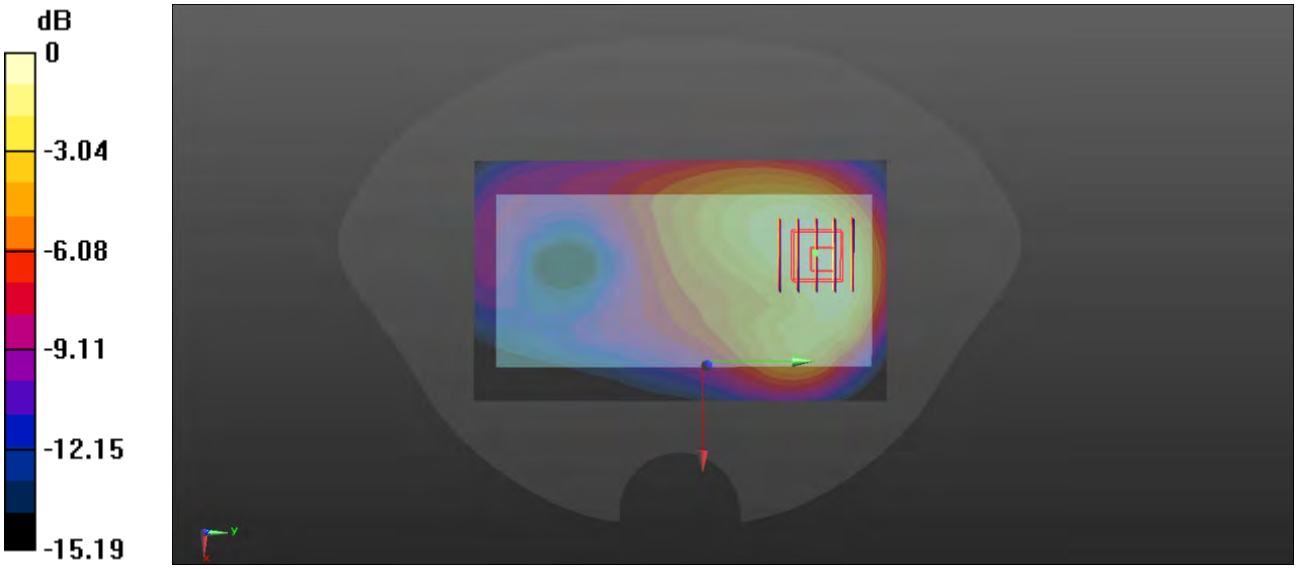
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.892 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.380 W/kg

SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.263 W/kg



0 dB = 0.263 W/kg

Meas.12 Body Plane with Bottom Edge 10mm on Middle Channel in WCDMA Band4 mode with Antenna 0

Date: 2022.02.28

Communication System Band: IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1752.6MHz; σ = 1.381 S/m; ε_r = 40.454; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.484 W/kg

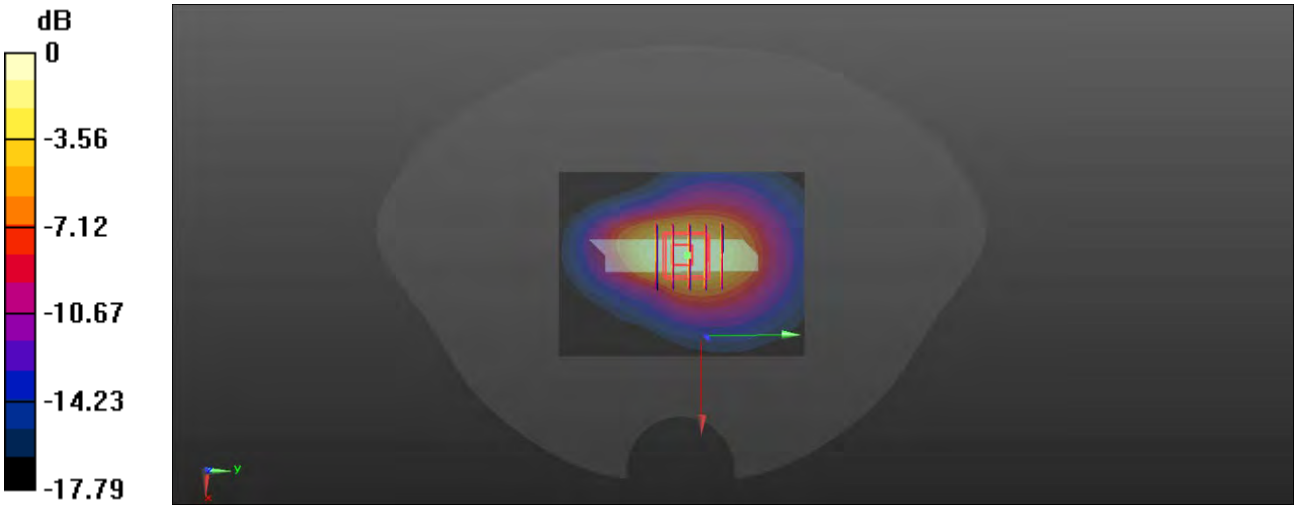
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.34 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.709 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.233 W/kg

Maximum value of SAR (measured) = 0.465 W/kg



0 dB = 0.465 W/kg

Meas.13 Right Head with Cheek on Low Channel in WCDMA Band5 mode with Antenna 1

Date: 2022.02.24

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

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.91 S/m; ε_r = 41.924; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

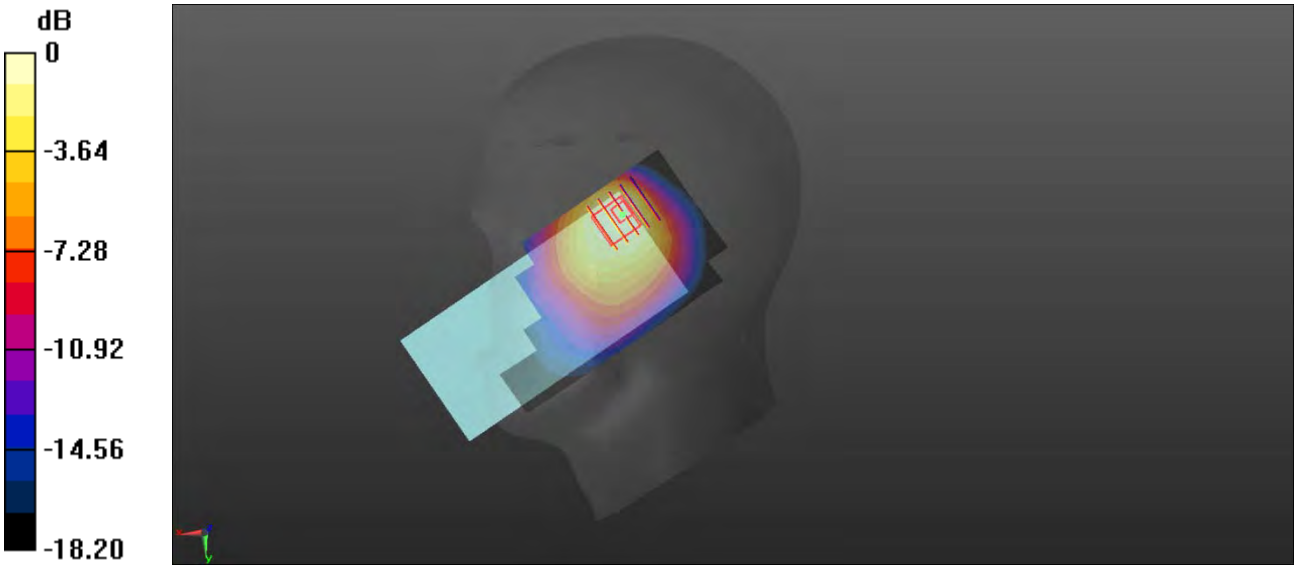
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.51 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.469 W/kg

Maximum value of SAR (measured) = 0.800 W/kg



0 dB = 0.800 W/kg

Meas.14 Body Plane with Back Side 15mm on Low Channel in WCDMA Band5 mode with Antenna 1

Date: 2022.02.24

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

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.91 S/m; ε_r = 41.924; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.232 W/kg

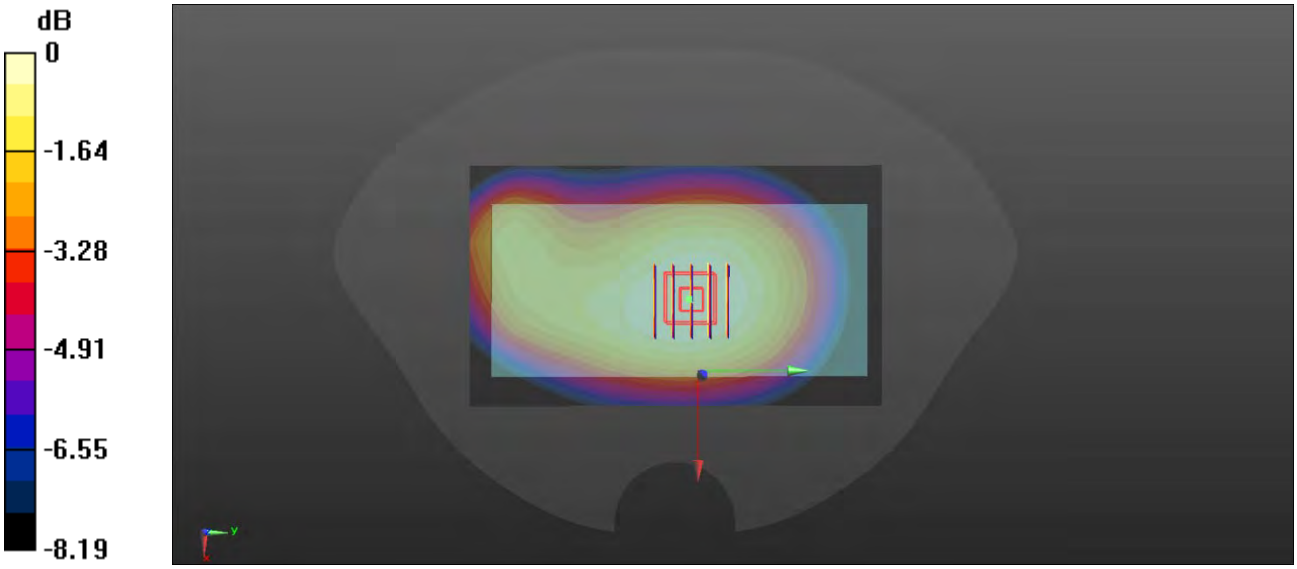
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.37 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg

Meas.15 Body Plane with Back Side 10mm on Low Channel in WCDMA Band5 mode with Antenna 1

Date: 2022.02.24

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

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.91 S/m; ε_r = 41.924; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.358 W/kg

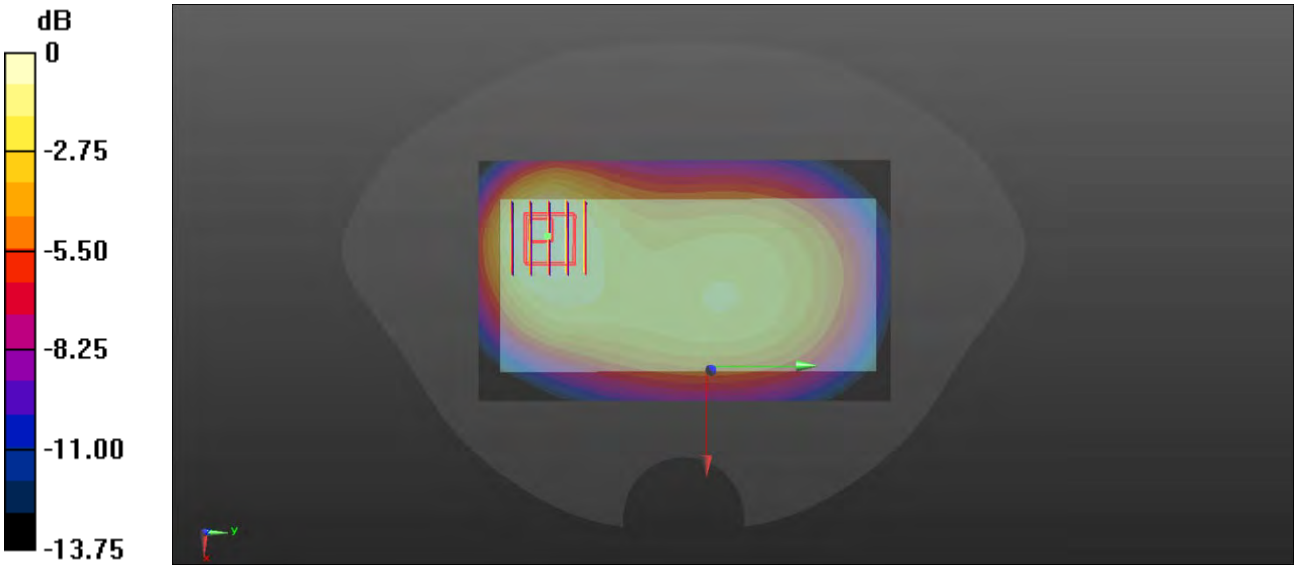
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.99 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.348 W/kg



0 dB = 0.348 W/kg

Meas.16 Right Head with Tilt on High Channel in LTE Band2 mode with Antenna 1

Date: 2022.03.05

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1900 MHz; σ = 1.401 S/m; ε_r = 38.544; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.911 W/kg

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

Reference Value = 17.23 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 0.901 W/kg

0 dB = 0.901 W/kg

Meas.17 Body Plane with Back Side 15mm on Middle Channel in LTE Band2 mode with Antenna 1

Date: 2022.03.05

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.398 S/m; ε_r = 38.738; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.365 W/kg

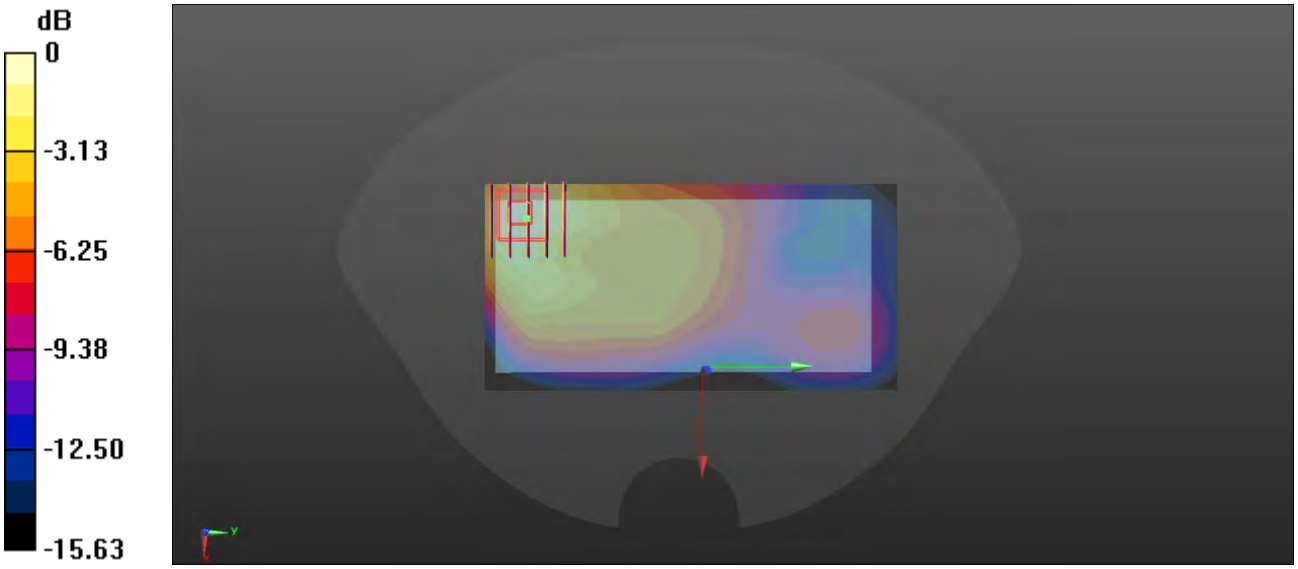
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.766 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.192 W/kg

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



0 dB = 0.350 W/kg

Meas.18 Body Plane with Top Side 10mm on Middle Channel in LTE Band2 mode with Antenna 1

Date: 2022.03.05

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz); Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.398 S/m; ε_r = 38.738; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.57, 8.57, 8.57); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.530 W/kg

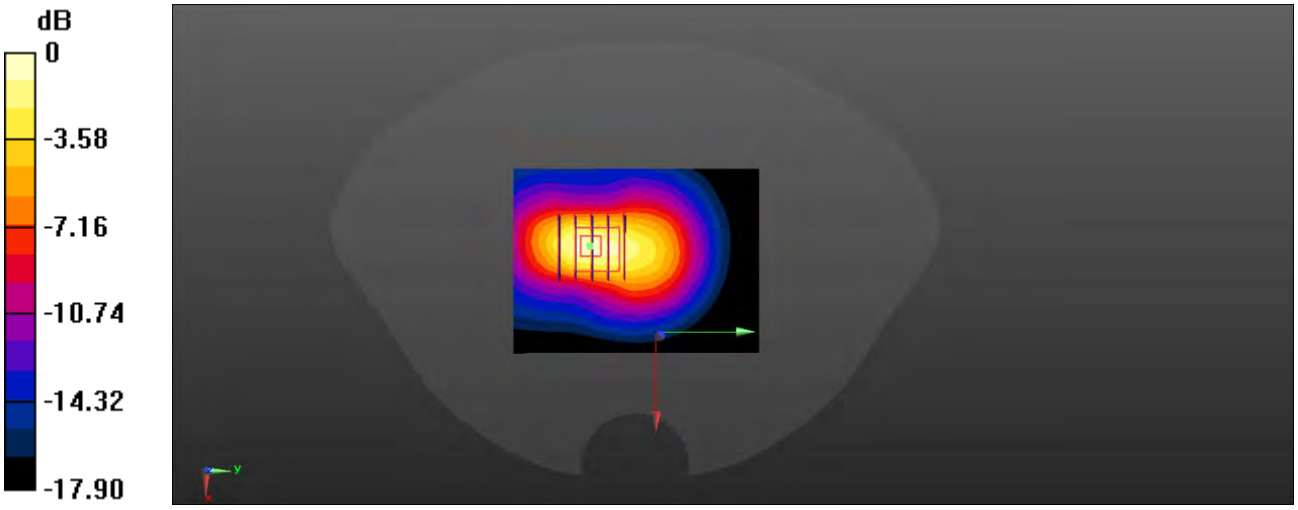
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.02 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.892 W/kg

SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.245 W/kg

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



0 dB = 0.561 W/kg

Meas.19 Right Head with Tilt on High Channel in LTE Band4 mode with Antenna 1

Date: 2022.03.01

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.931; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.24 W/kg

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

Reference Value = 20.52 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.22 W/kg

SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.483 W/kg

Maximum value of SAR (measured) = 1.27 W/kg

0 dB = 1.27 W/kg

Meas.20 Body Plane with Back Side 15mm on High Channel in LTE Band4 mode with Antenna 0

Date: 2022.03.01

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.931; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.265 W/kg

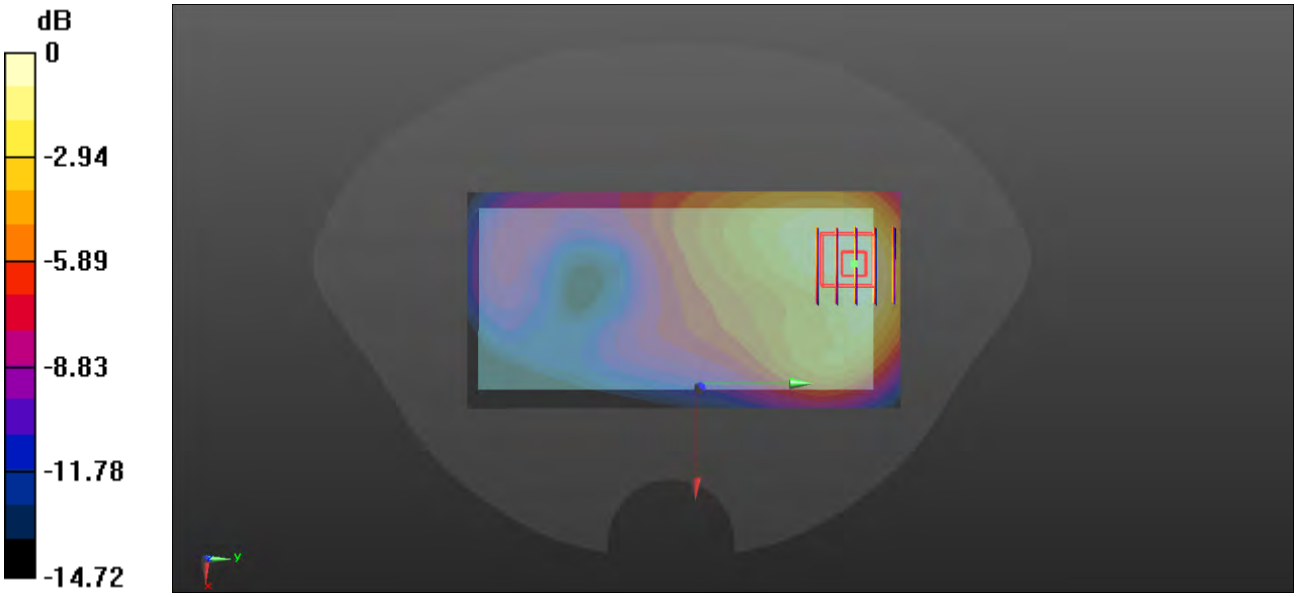
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.904 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.261 W/kg



0 dB = 0.261 W/kg

Meas.21 Body Plane with Bottom Edge 10mm on High Channel in LTE Band4 mode with Antenna 0

Date: 2022.03.01

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.381 S/m; ε_r = 39.931; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20300/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.494 W/kg

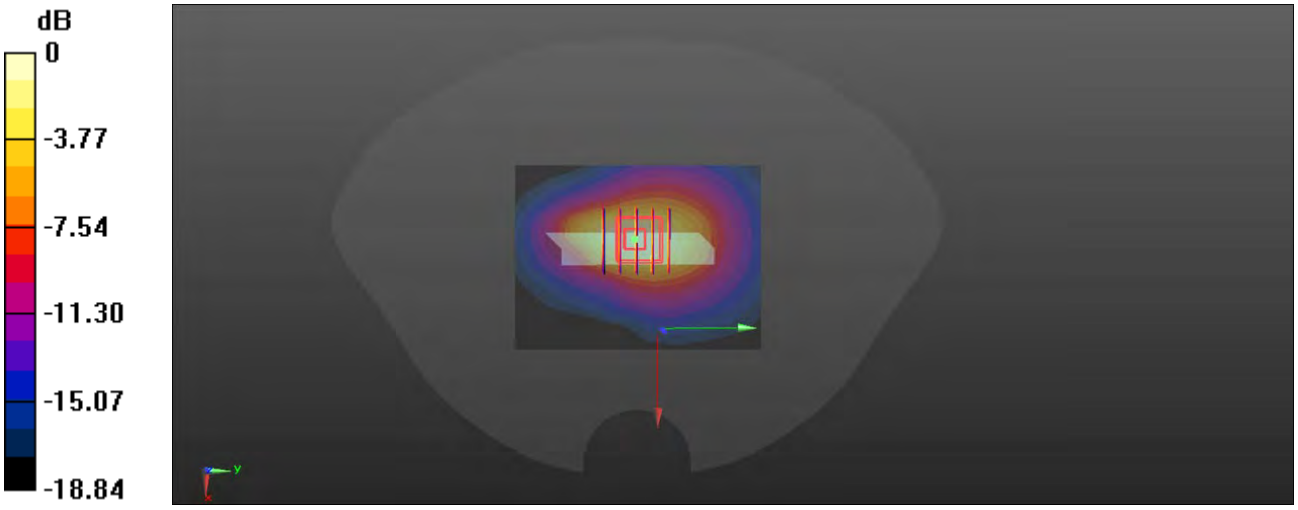
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.99 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.745 W/kg

SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (measured) = 0.497 W/kg



0 dB = 0.497 W/kg

Meas.22 Right Head with Cheek on Middle Channel in LTE Band5 mode with Antenna 1

Date: 2022.02.25

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.922 S/m; ε_r = 40.845; 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.803 W/kg

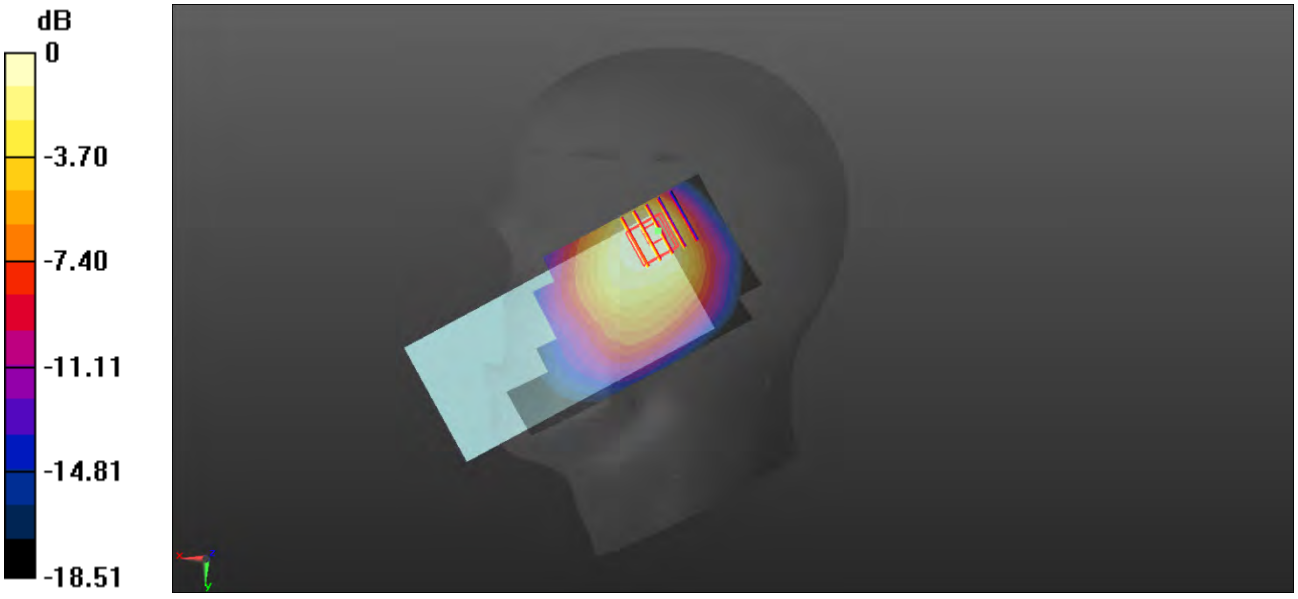
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.42 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.413 W/kg

Maximum value of SAR (measured) = 0.694 W/kg



0 dB = 0.694 W/kg

Meas.23 Body Plane with Back Side 15mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2022.02.25

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.922 S/m; ε_r = 40.845; 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.163 W/kg

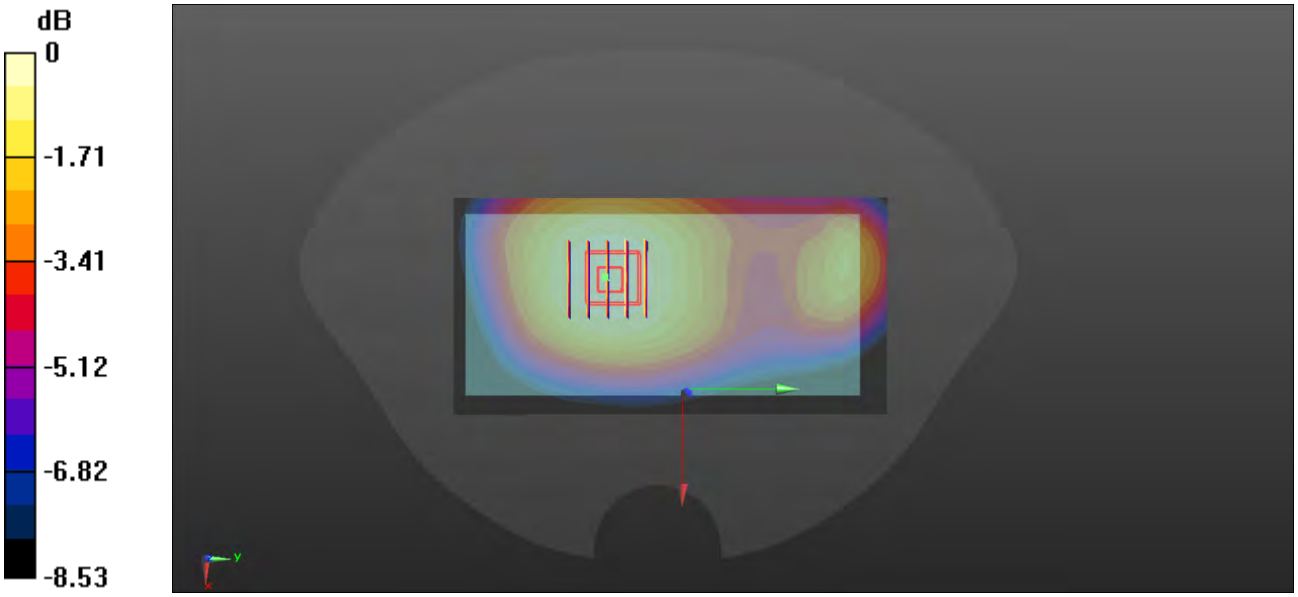
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.13 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg

Meas.24 Body Plane with Back Side 10mm on Middle Channel in LTE Band5 mode with Antenna 1

Date: 2022.02.25

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz); Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.922 S/m; ε_r = 40.845; 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.360 W/kg

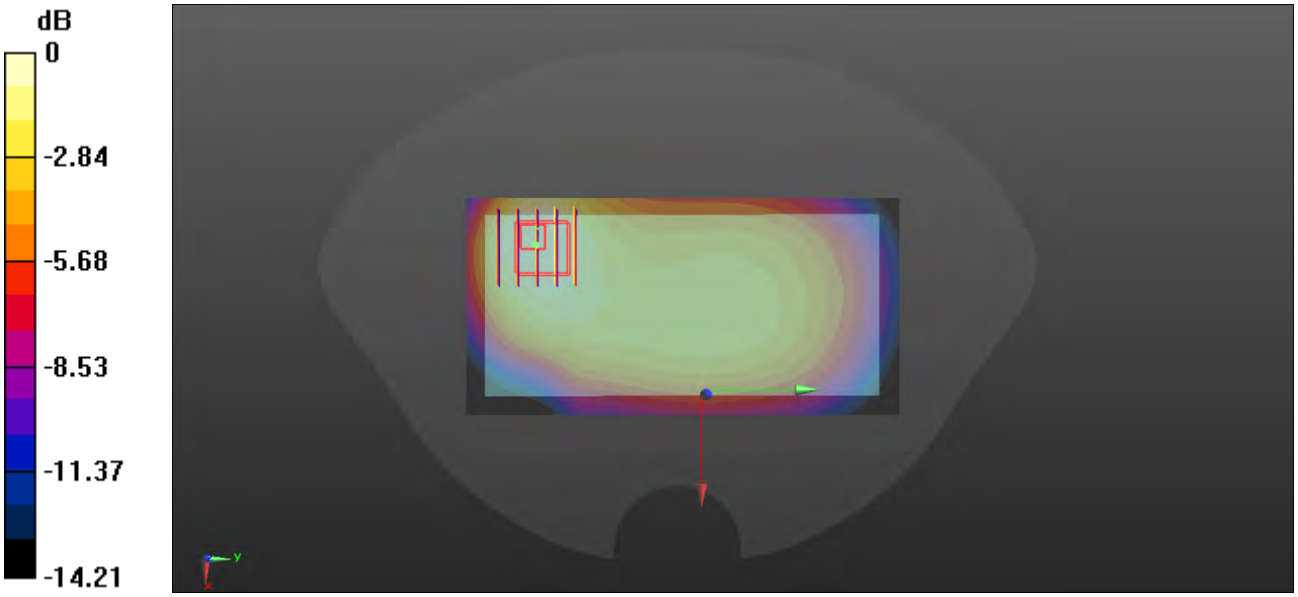
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.52 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.524 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.207 W/kg

Maximum value of SAR (measured) = 0.338 W/kg



0 dB = 0.338 W/kg

Meas.25 Right Head with Cheek on Middle Channel in LTE Band7 mode with Antenna 4

Date: 2022.03.07

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 25350 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.889 S/m; ε_r = 39.826; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.697 W/kg

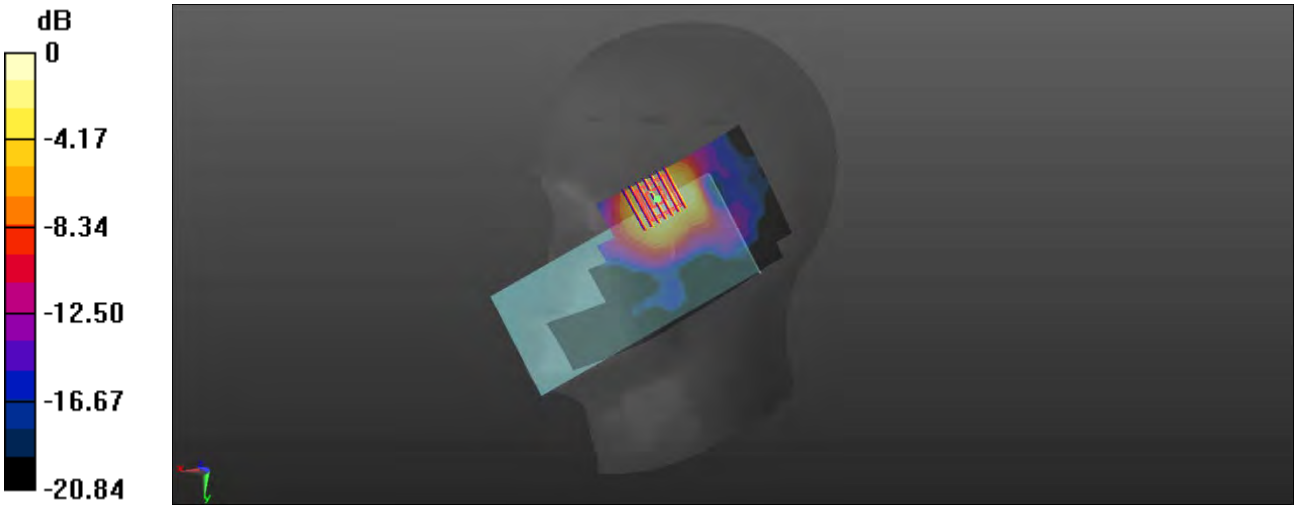
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.195 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.348 W/kg

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



0 dB = 0.693 W/kg

Meas.26 Body Plane with Back Side 15mm on Low Channel in LTE Band7 mode with Antenna 4

Date: 2022.03.08

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.877 S/m; ε_r = 39.35; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.320 W/kg

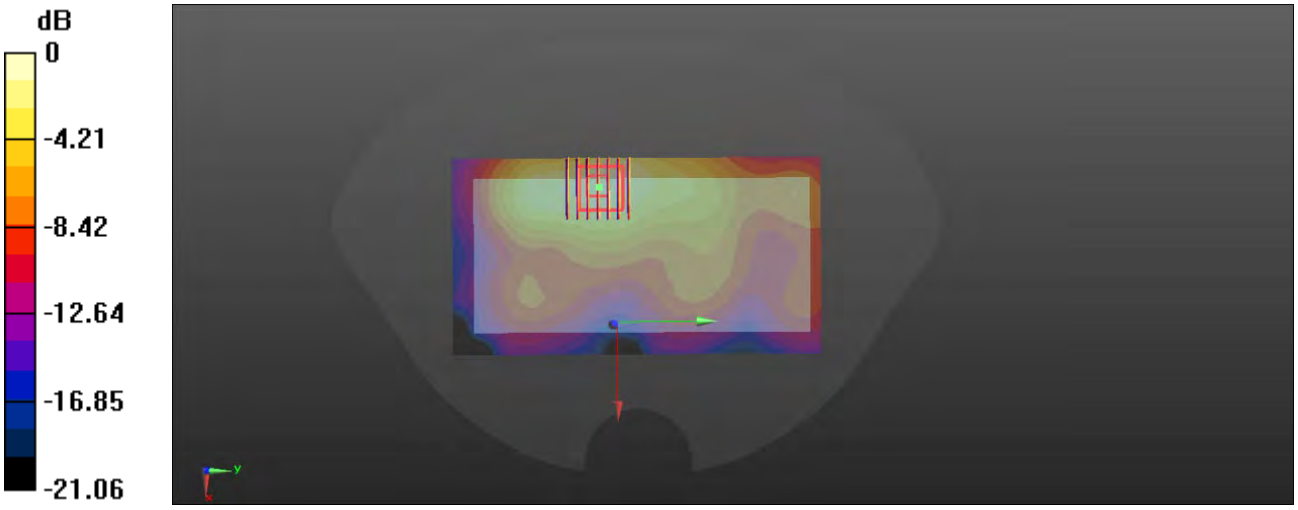
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.946 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.574 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 0.315 W/kg



0 dB = 0.315 W/kg

Meas.27 Body Plane with Back Side 10mm on Low Channel in LTE Band7 mode with Antenna 4

Date: 2022.03.08

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz); Frequency: 2510 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2510 MHz; σ = 1.877 S/m; ε_r = 39.35; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.455 W/kg

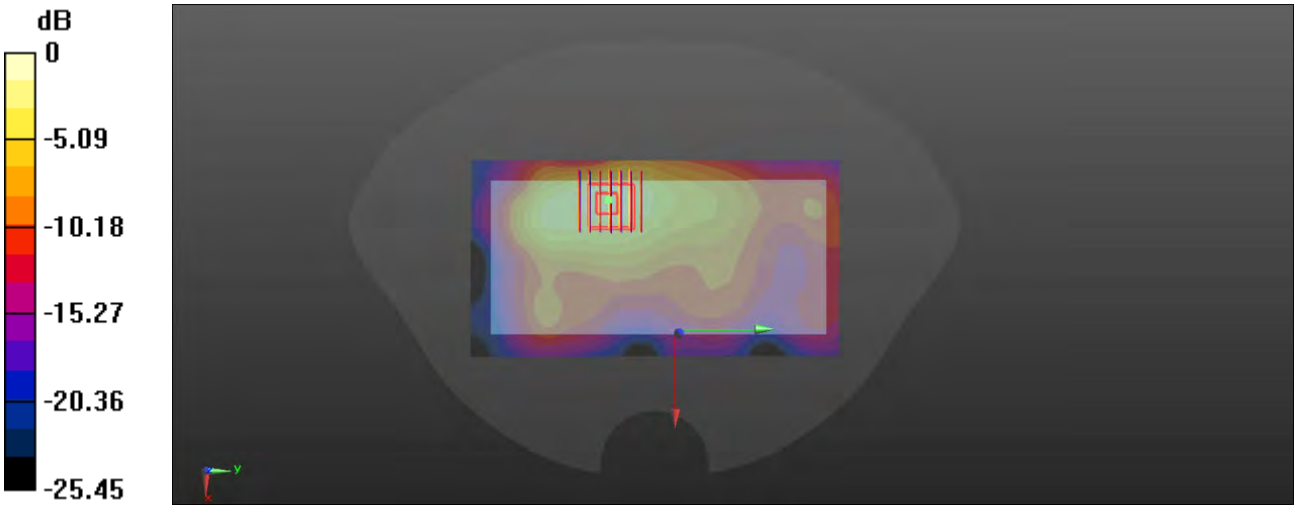
Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.888 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.969 W/kg

SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.209 W/kg

Maximum value of SAR (measured) = 0.487 W/kg



0 dB = 0.487 W/kg

Meas.28 Right Head with Cheek on Middle Channel in LTE Band12 mode with Antenna 1

Date: 2022.02.21

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.863 S/m; ε_r = 41.584; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.41, 10.41, 10.41); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.626 W/kg

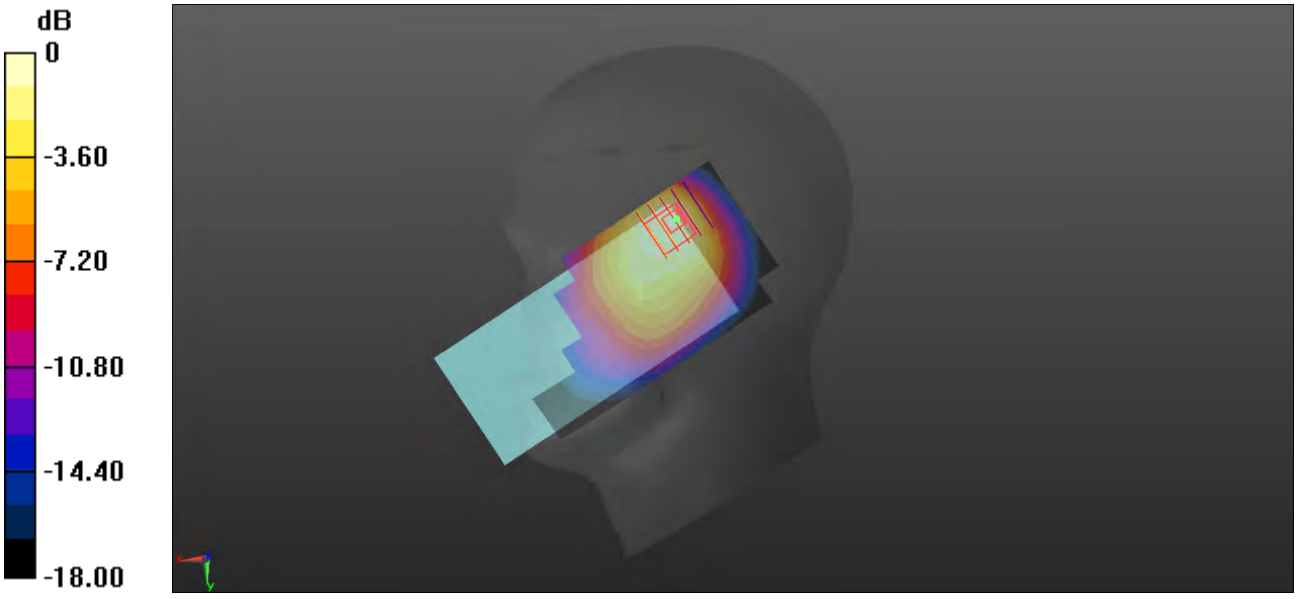
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.34 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.997 W/kg

SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.317 W/kg

Maximum value of SAR (measured) = 0.542 W/kg



0 dB = 0.542 W/kg

Meas.29 Body Plane with Back Side 15mm on Low Channel in LTE Band12 mode with Antenna 1

Date: 2022.02.21

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 704 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 704 MHz; σ = 0.861 S/m; ε_r = 41.631; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.41, 10.41, 10.41); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.266 W/kg

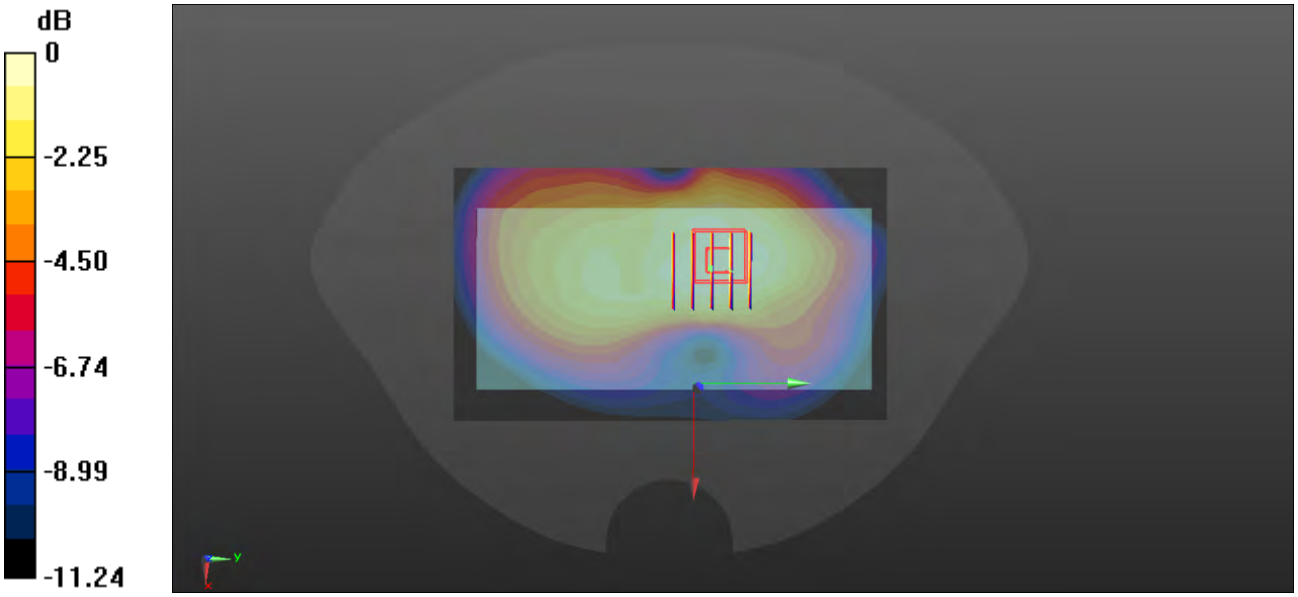
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.17 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg

Meas.30 Body Plane with Back Side 10mm on Low Channel in LTE Band12 mode with Antenna 1

Date: 2022.02.21

Communication System Band: Band 12, E-UTRA/FDD (698.0 - 716.0 MHz); Frequency: 704 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 704 MHz; σ = 0.861 S/m; ε_r = 41.631; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.41, 10.41, 10.41); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch23060/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.263 W/kg

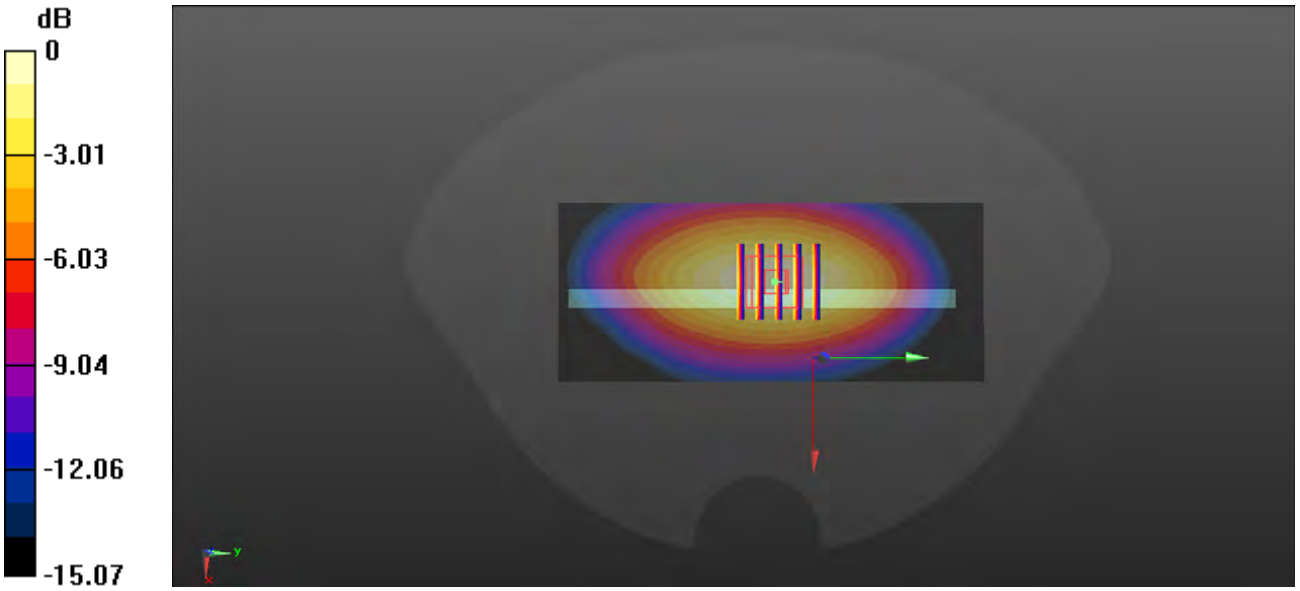
Ch23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.44 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.293 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.139 W/kg

Maximum value of SAR (measured) = 0.203 W/kg



0 dB = 0.203 W/kg

Meas.31 Right Head with Cheek on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2022.02.22

Communication System Band: Band 17, E-UTRA/FDD (704.0 - 716.0 MHz); Frequency: 709 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 709 MHz; σ = 0.857 S/m; ε_r = 41.542; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23780/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.705 W/kg

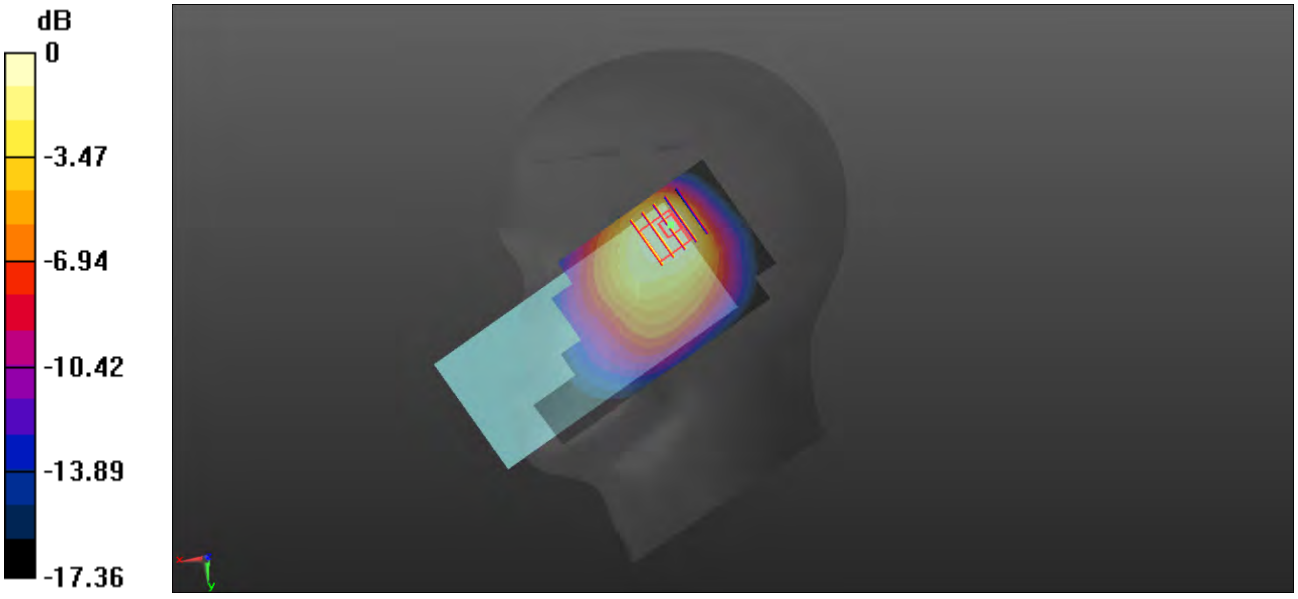
Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.33 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.367 W/kg

Maximum value of SAR (measured) = 0.635 W/kg



0 dB = 0.635 W/kg

Meas.32 Body Plane with Back Side 15mm on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2022.02.22

Communication System Band: Band 17, E-UTRA/FDD (704.0 - 716.0 MHz); Frequency: 709 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 709 MHz; σ = 0.857 S/m; ε_r = 41.542; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23780/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.277 W/kg

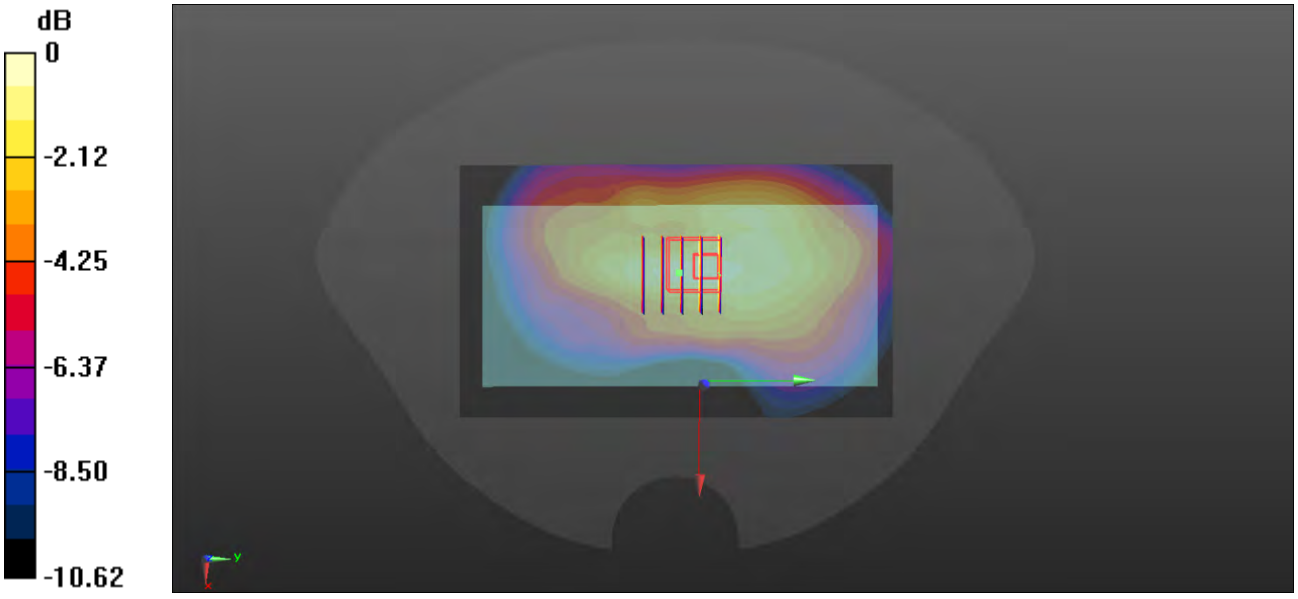
Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.45 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.185 W/kg

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



0 dB = 0.291 W/kg

Meas.33 Body Plane with Right Side 10mm on Middle Channel in LTE Band17 mode with Antenna 1

Date: 2022.02.22

Communication System Band: Band 17, E-UTRA/FDD (704.0 - 716.0 MHz); Frequency: 709 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 709 MHz; σ = 0.857 S/m; ε_r = 41.542; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23780/Area Scan (51x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.262 W/kg

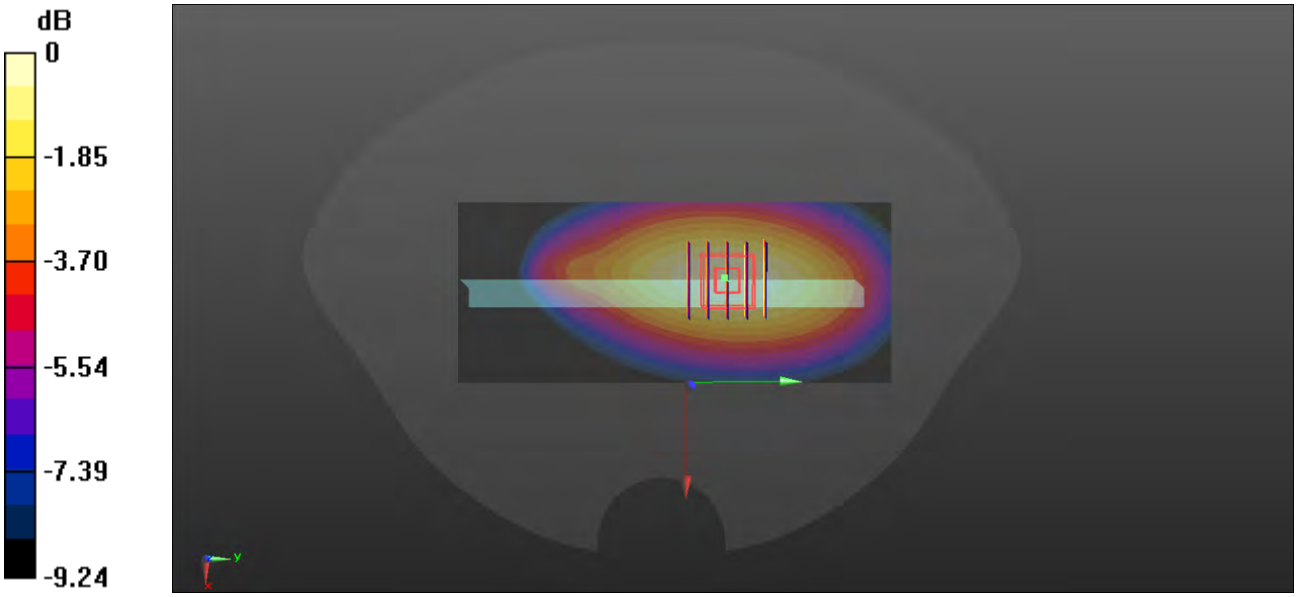
Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.77 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.261 W/kg



0 dB = 0.261 W/kg

Meas.34 Right Head with Cheek on Low Channel in LTE Band26 mode with Antenna 1

Date: 2022.02.26

Communication System: UID 0, LTE (26); Frequency: 821.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.884 S/m; ε_r = 42.648; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26765/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.743 W/kg

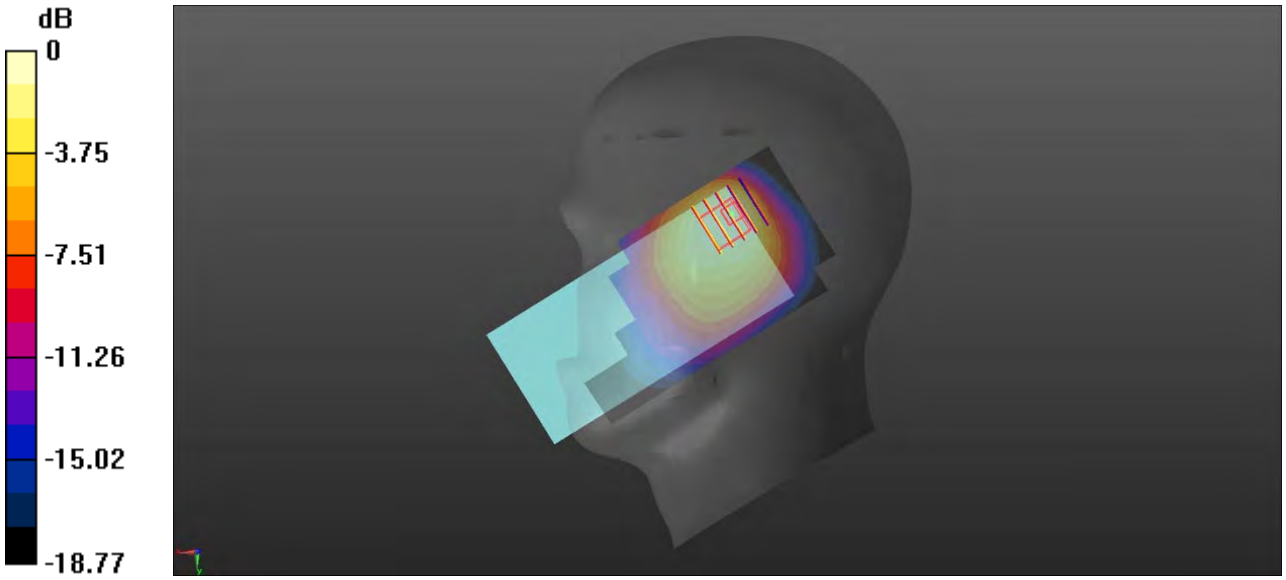
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.14 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.386 W/kg

Maximum value of SAR (measured) = 0.722 W/kg



0 dB = 0.722 W/kg

Meas.35 Body Plane with Back Side 15mm on Low Channel in LTE Band26 mode with Antenna 0

Date: 2022.02.26

Communication System: UID 0, LTE (0); Frequency: 821.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.884 S/m; ε_r = 42.648; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26765/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.243 W/kg

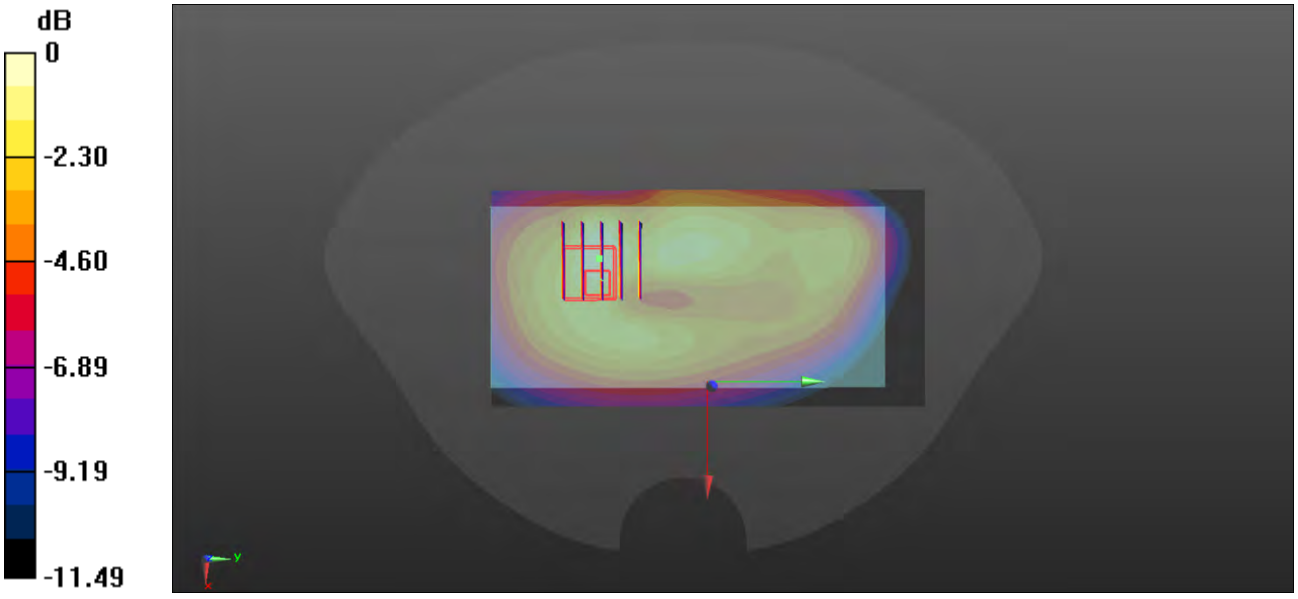
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.497 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg

Meas.36 Body Plane with Back Side 10mm on Low Channel in LTE Band26 mode with Antenna 1

Date: 2022.02.26

Communication System: UID 0, LTE (0); Frequency: 821.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.884 S/m; ε_r = 42.648; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.1

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26765/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

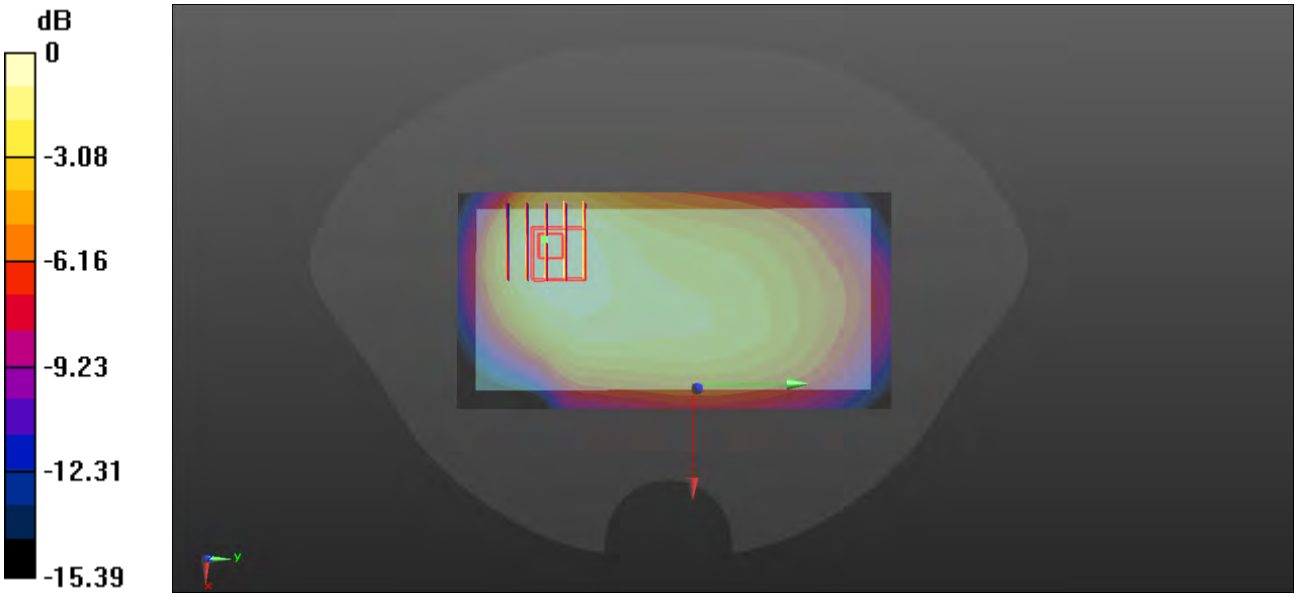
Ch26765/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.50 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.181 W/kg

Maximum value of SAR (measured) = 0.288 W/kg



0 dB = 0.288 W/kg

Meas.37 Right Head with Tilt on Low Channel in LTE Band66 mode with Antenna 1

Date: 2022.03.02

Communication System Band: Band66; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.369 S/m; ε_r = 39.612; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132072/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.12 W/kg

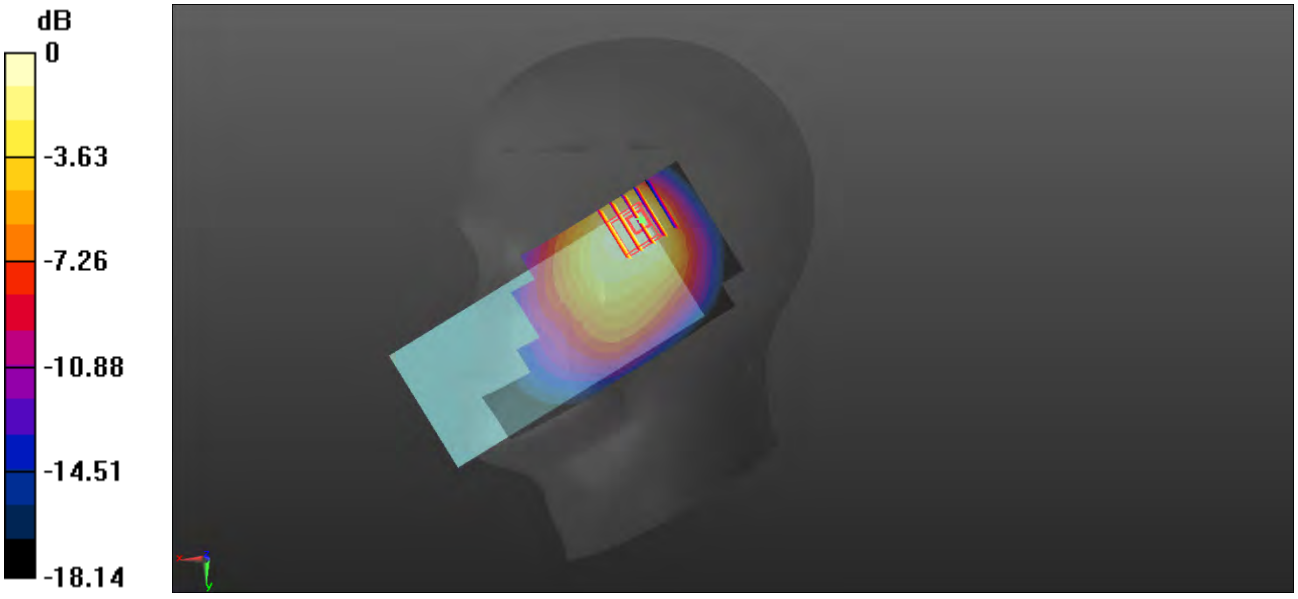
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.91 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.409 W/kg

Maximum value of SAR (measured) = 0.972 W/kg



0 dB = 0.972 W/kg

Meas.38 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2022.03.02

Communication System Band: Band66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.385 S/m; ε_r = 39.493; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.320 W/kg

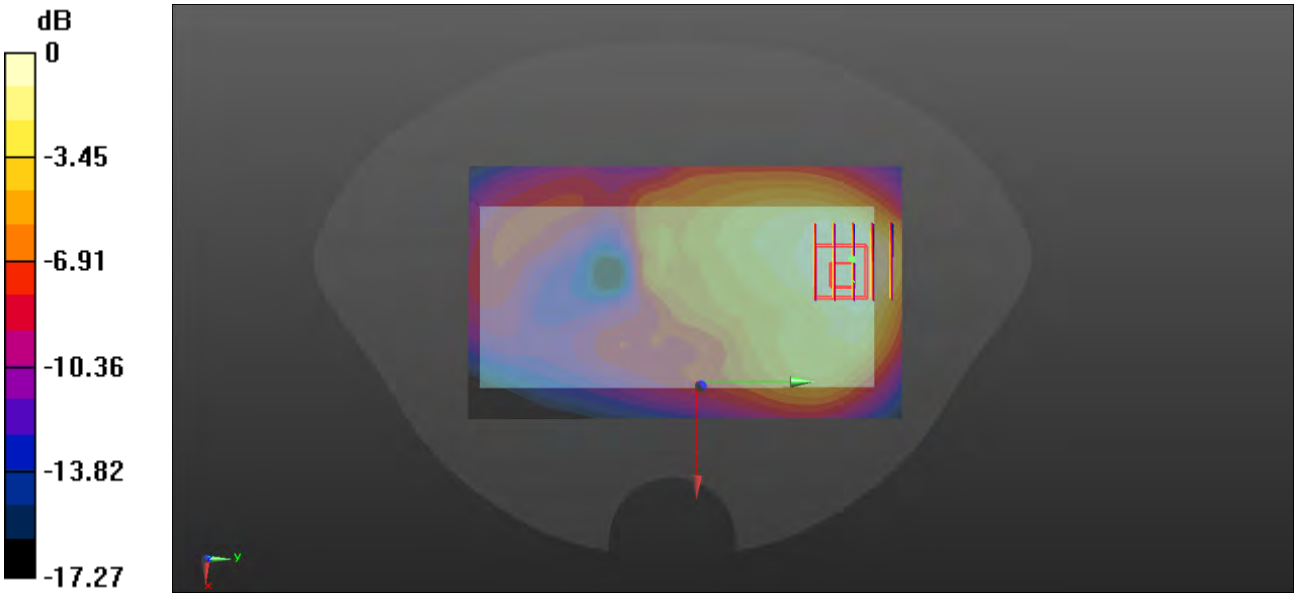
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.563 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg

Meas.39 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2022.03.02

Communication System Band: Band66; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.385 S/m; ε_r = 39.493; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.71, 8.71, 8.71); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.736 W/kg

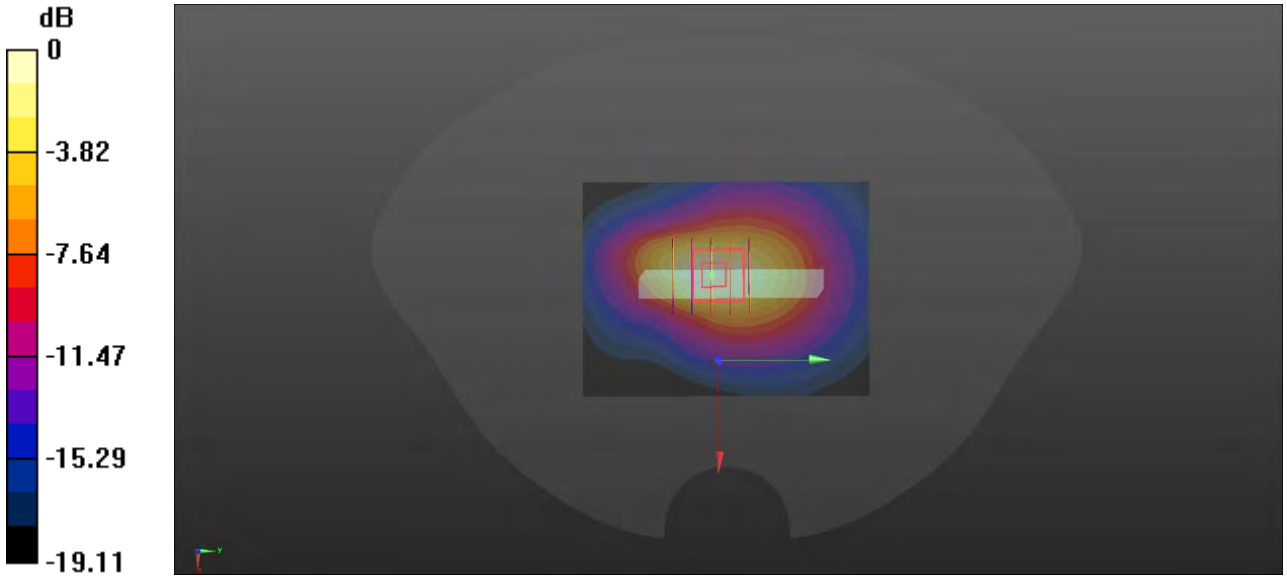
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.18 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.705 W/kg



0 dB = 0.705 W/kg

Meas.40 Right Head with Cheek on High Channel in LTE Band38 mode with Antenna 1

Date: 2022.03.11

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2610 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2610 MHz; σ = 1.965 S/m; ε_r = 39.146; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38150/Area Scan (91x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.923 W/kg

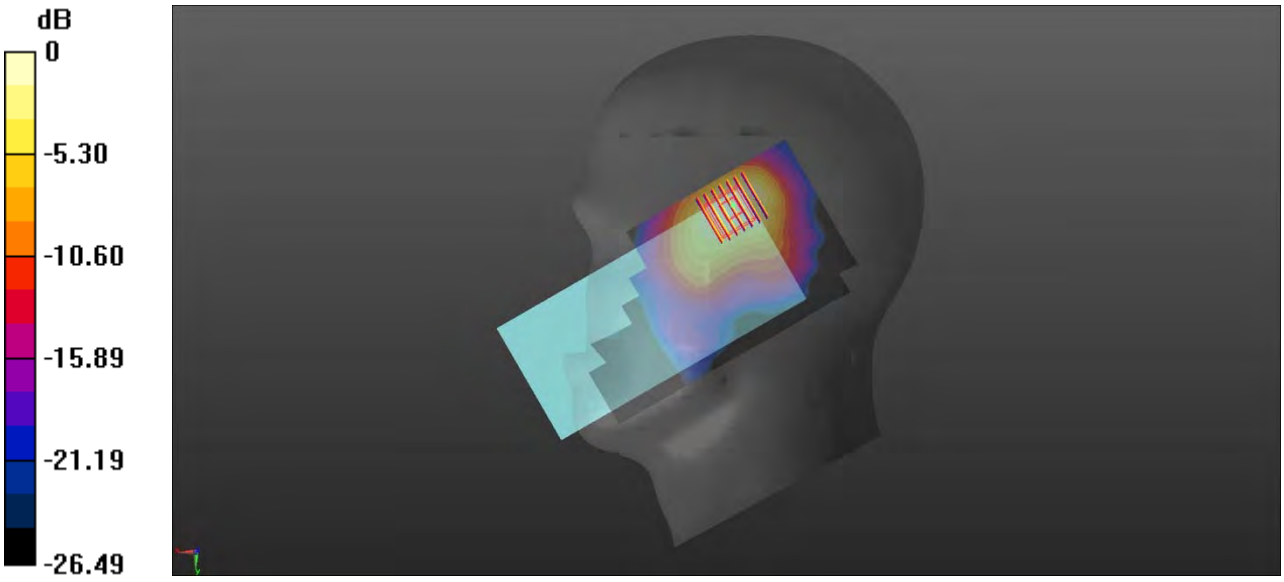
Ch38150/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.741 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.415 W/kg

Maximum value of SAR (measured) = 0.941 W/kg



0 dB = 0.941 W/kg

Meas.41 Body Plane with Back Side 15mm on Low Channel in LTE Band38 mode with Antenna 4

Date: 2022.03.12

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.934 S/m; ε_r = 39.068; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.205 W/kg

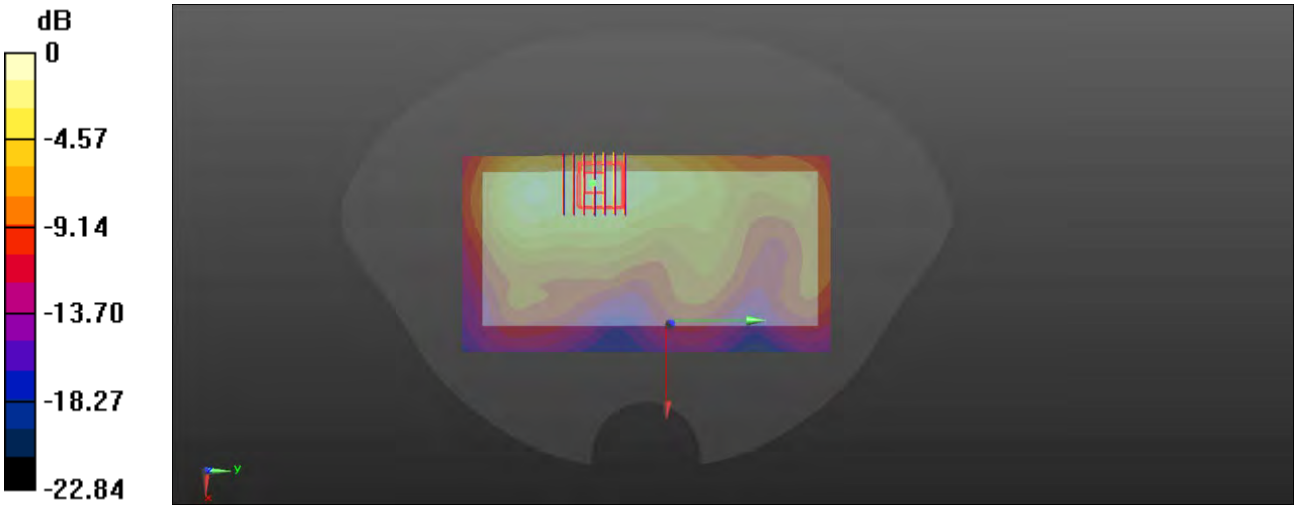
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.377 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.202 W/kg



0 dB = 0.252 W/kg

Meas.42 Body Plane with Back Side 10mm on Low Channel in LTE Band38 mode with Antenna 4

Date: 2022.03.12

Communication System Band: Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz); Frequency: 2580 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2580 MHz; σ = 1.934 S/m; ε_r = 39.068; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch37850/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.469 W/kg

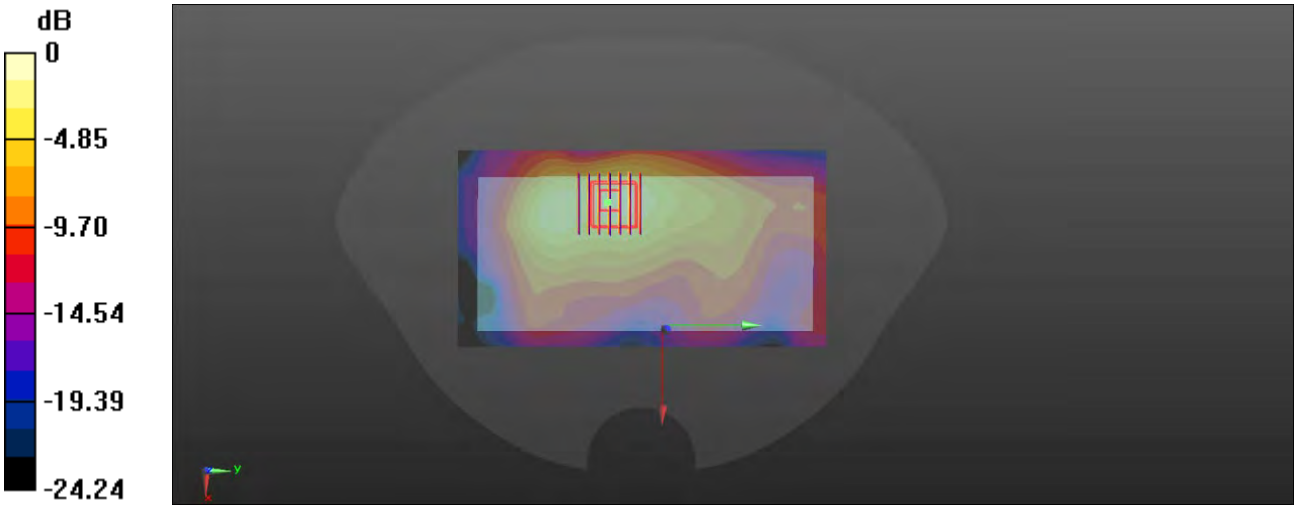
Ch37850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.649 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.905 W/kg

SAR(1 g) = 0..410 W/kg; SAR(10 g) = 0.248 W/kg

Maximum value of SAR (measured) = 0.462 W/kg



0 dB = 0.462 W/kg

Meas.43 Right Head with Cheek on High Channel in LTE Band41 mode with Antenna 1

Date: 2022.03.15

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2680 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2680 MHz; σ = 2.092 S/m; ε_r = 38.969; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.951 W/kg

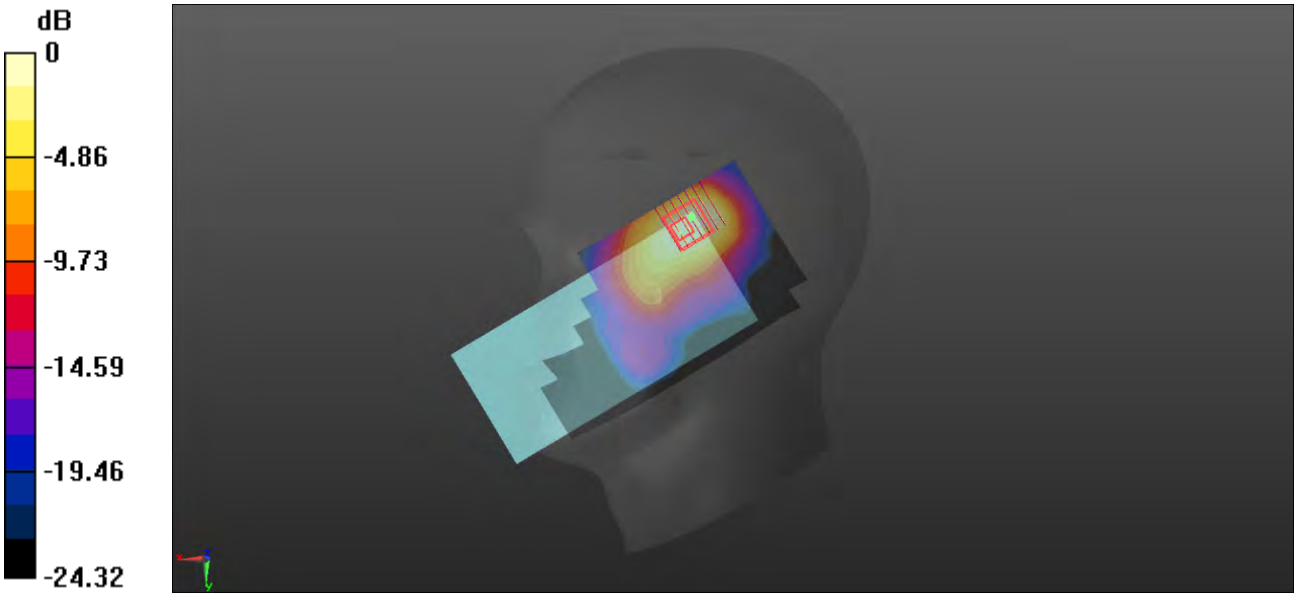
Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.156 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.407 W/kg

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



0 dB = 0.874 W/kg

Meas.44 Body Plane with Back Side 15mm on MIddle Channel in LTE Band41 mode with Antenna 4

Date: 2022.03.16

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 2.01 S/m; ε_r = 38.581; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.410 W/kg

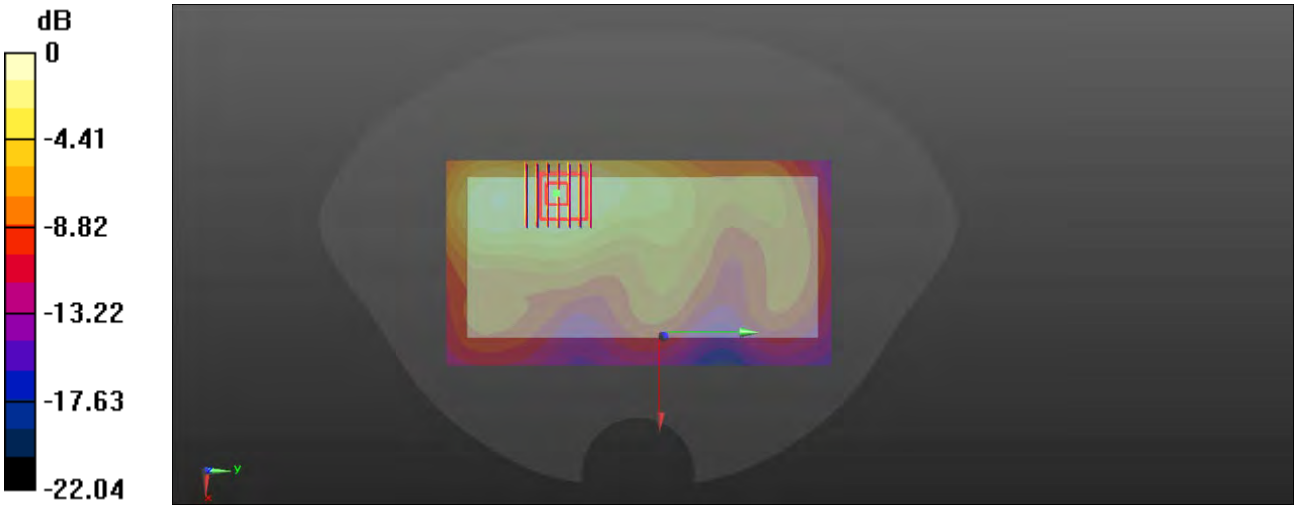
Ch40620//Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.976 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.723 W/kg

SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.195 W/kg

Maximum value of SAR (measured) = 0.407 W/kg



0 dB = 0.407 W/kg

Meas.45 Body Plane with Back Side 10mm on High Channel in LTE Band41 mode with Antenna Down

Date: 2022.03.16

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2593 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2593 MHz; σ = 2.01 S/m; ε_r = 38.581; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.824 W/kg

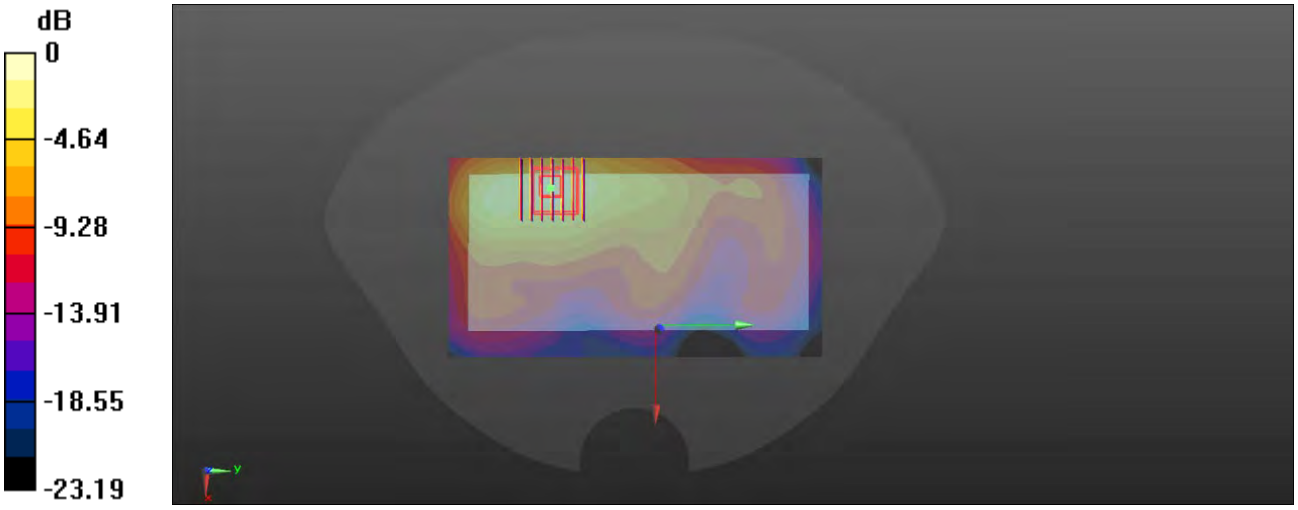
Ch40620Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.378 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 0.714 W/kg; SAR(10 g) = 0.347 W/kg

Maximum value of SAR (measured) = 0.822 W/kg



0 dB = 0.822 W/kg

Meas.46 Right Head with Cheek on Low Channel in N5 with Antenna 1

Date: 2022.02.27

Communication System Band: N5; Frequency: 834 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 834 MHz; σ = 0.889 S/m; ε_r = 42.053; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch166800/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.852 W/kg

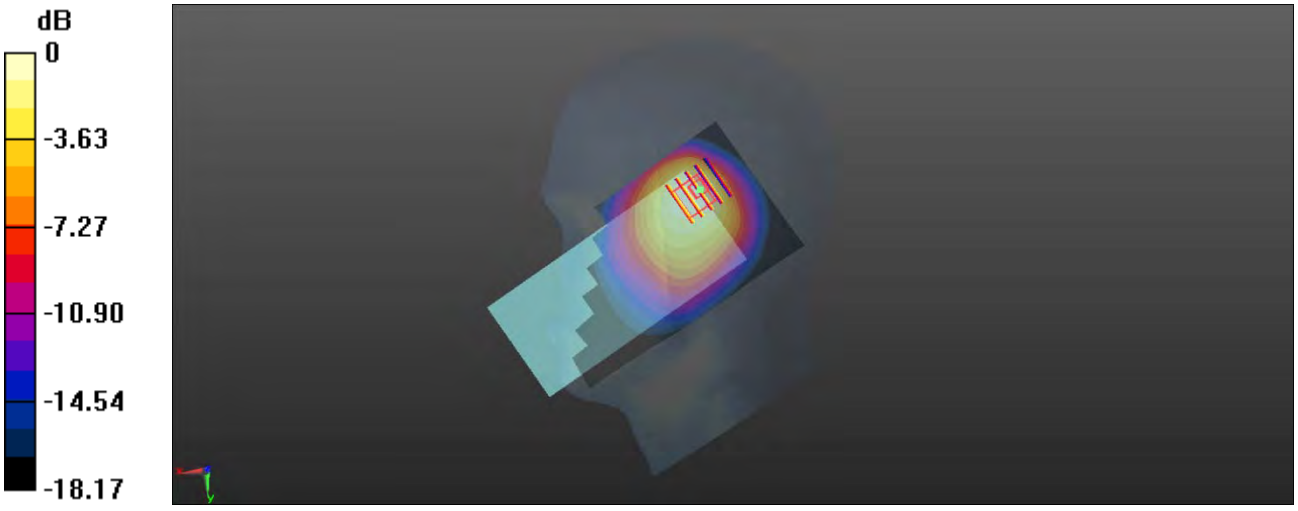
Ch166800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.70 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.418 W/kg

Maximum value of SAR (measured) = 0.705 W/kg



0 dB = 0.705 W/kg

Meas.47 Body Plane with Back Side 15mm on Middle Channel in N5 mode with Antenna 1

Date: 2022.02.27

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.894 S/m; ε_r = 41.55; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.262 W/kg

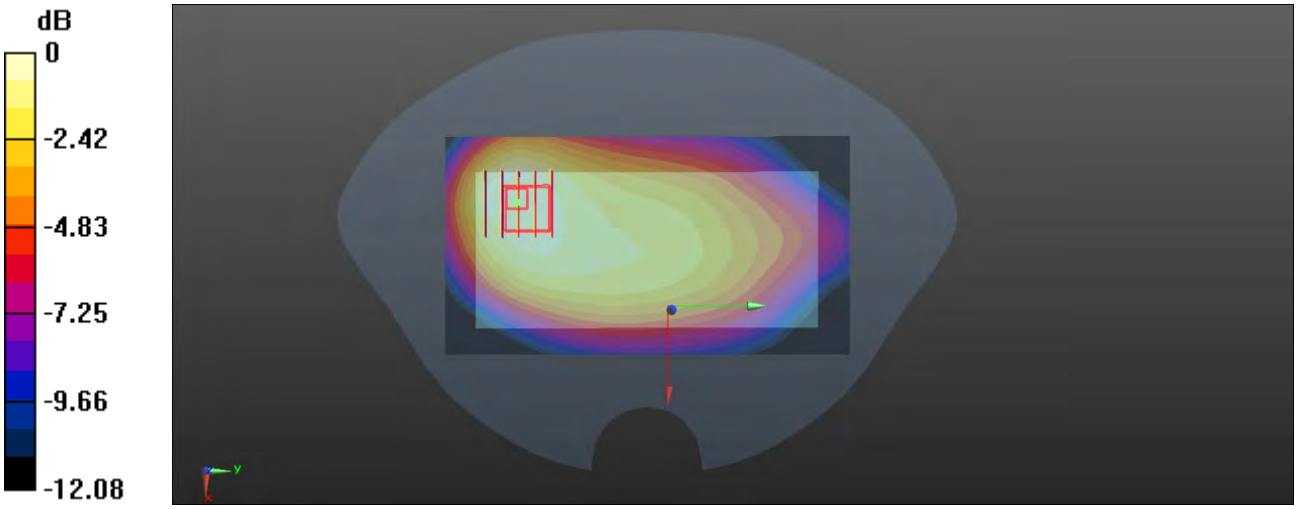
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.16 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg

Meas.48 Body Plane with Back Side 10mm on Middle Channel in N5 mode with Antenna 1

Date: 2022.02.27

Communication System Band: N5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.894 S/m; ε_r = 41.55; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(10.1, 10.1, 10.1); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.436 W/kg

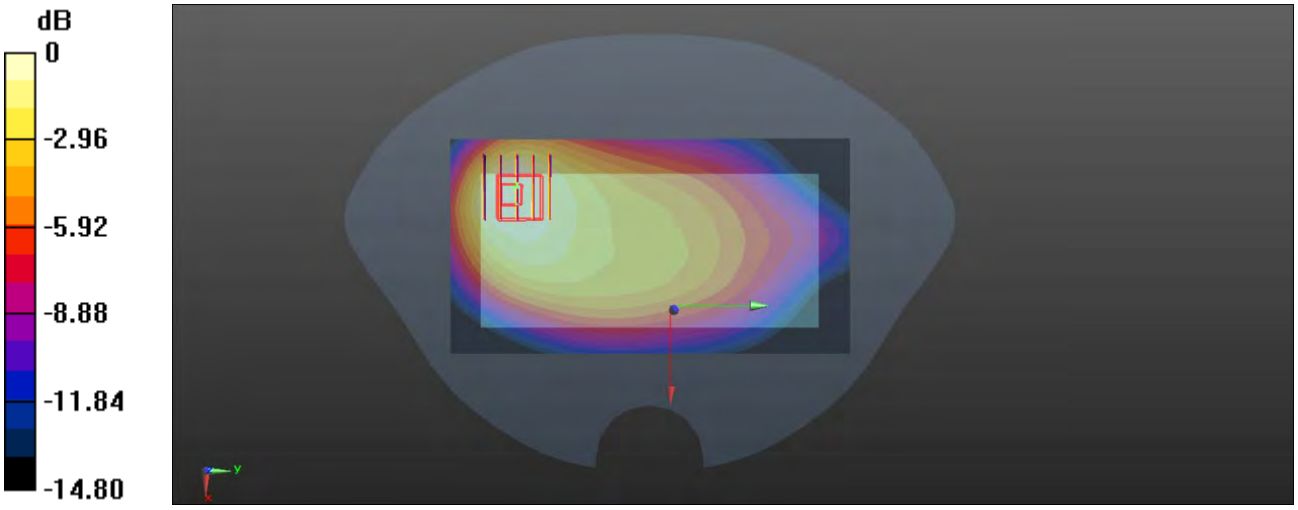
Ch167300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.83 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.622 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.266 W/kg

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



0 dB = 0.424 W/kg

Meas.49 Right Head with Cheek on High Channel in N7 mode with Antenna 1

Date: 2022.03.09

Communication System Band: n7; Frequency: 2560 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2560 MHz; σ = 1.953 S/m; ε_r = 38.454; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.2 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512000/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.841 W/kg

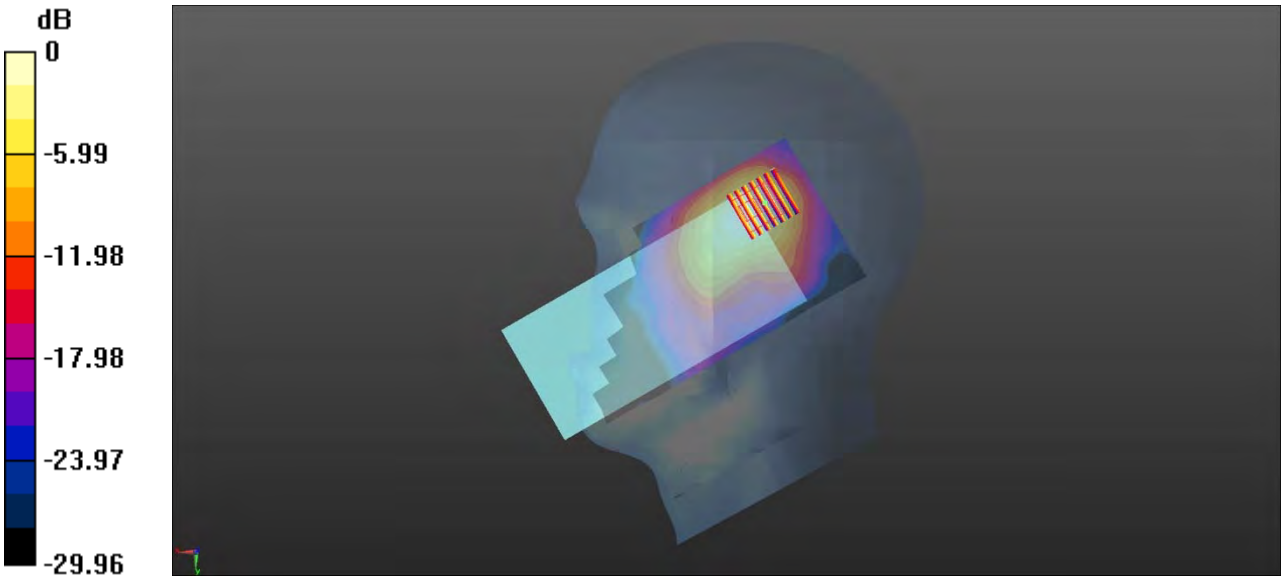
Ch512000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.093 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.356 W/kg

Maximum value of SAR (measured) = 0.812 W/kg



0 dB = 0.812 W/kg

Meas.50 Body Plane with Back Side 15mm on Middle Channel in N7 mode with Antenna 1

Date: 2022.03.10

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.938 S/m; ε_r = 38.147; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.309 W/kg

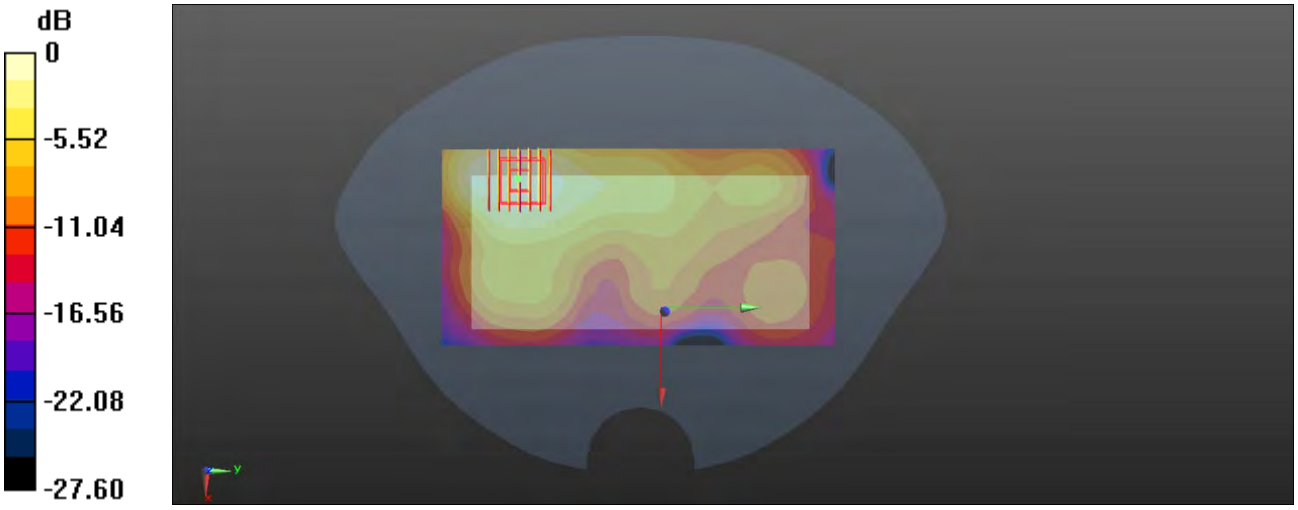
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.592 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.518 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg

Meas.51 Body Plane with Back Side 10mm on Middle Channel in N7 mode with Antenna 4

Date: 2022.03.10

Communication System Band: N7; Frequency: 2535 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.938 S/m; ε_r = 38.147; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- 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) = 0.587 W/kg

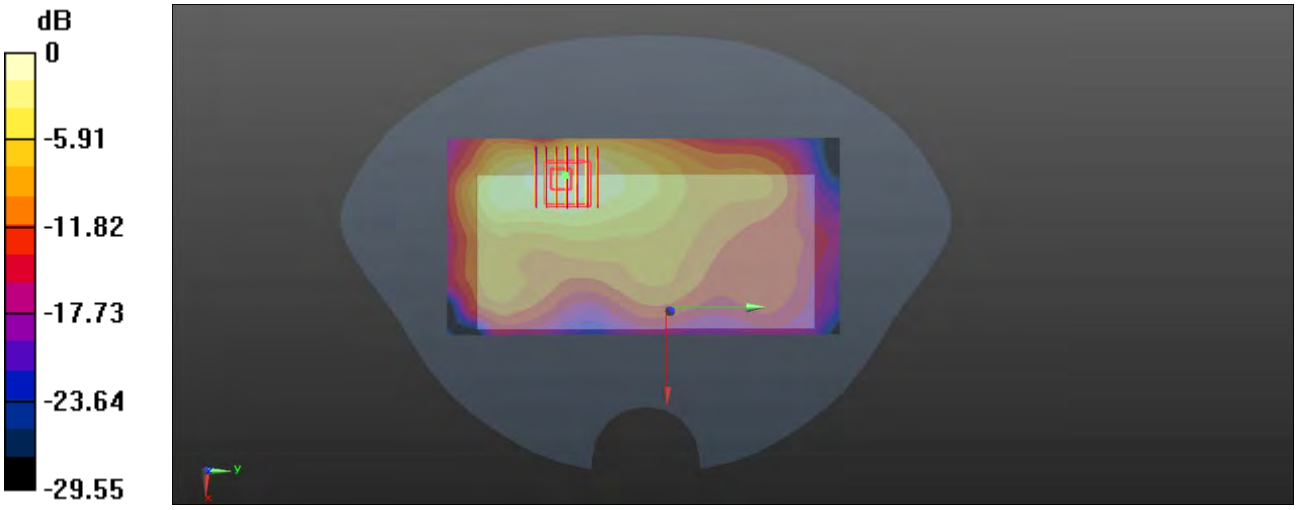
Ch507000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.473 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.265 W/kg

Maximum value of SAR (measured) = 0.598 W/kg



0 dB = 0.598 W/kg

Meas.52 Right Head with Cheek on Low Channel in N38 mode with Antenna 1

Date: 2022.03.11

Communication System Band: n38; Frequency: 2585 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2585 MHz; σ = 1.921 S/m; ε_r = 39.659; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(7.94, 7.94, 7.94); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch517000/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

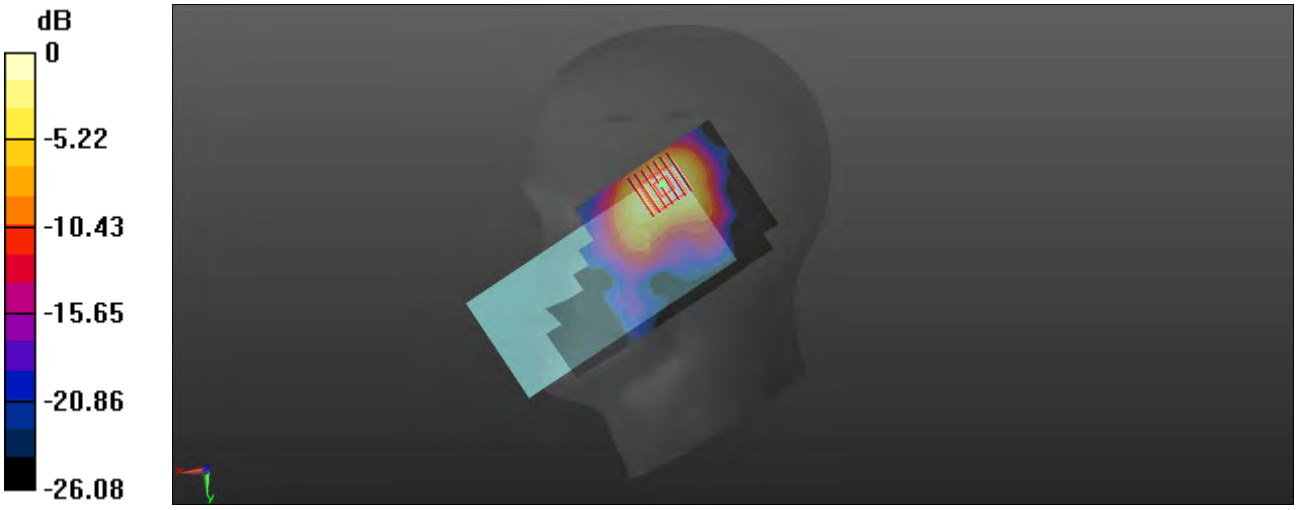
Ch517000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.134 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.423 W/kg

Maximum value of SAR (measured) = 0.968 W/kg



0 dB = 0.968 W/kg

Meas.53 Body Plane with Back Side 15mm on Middle Channel in N38 mode with Antenna 1

Date: 2022.03.14

Communication System Band: n38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.977 S/m; ε_r = 38.062; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.328 W/kg

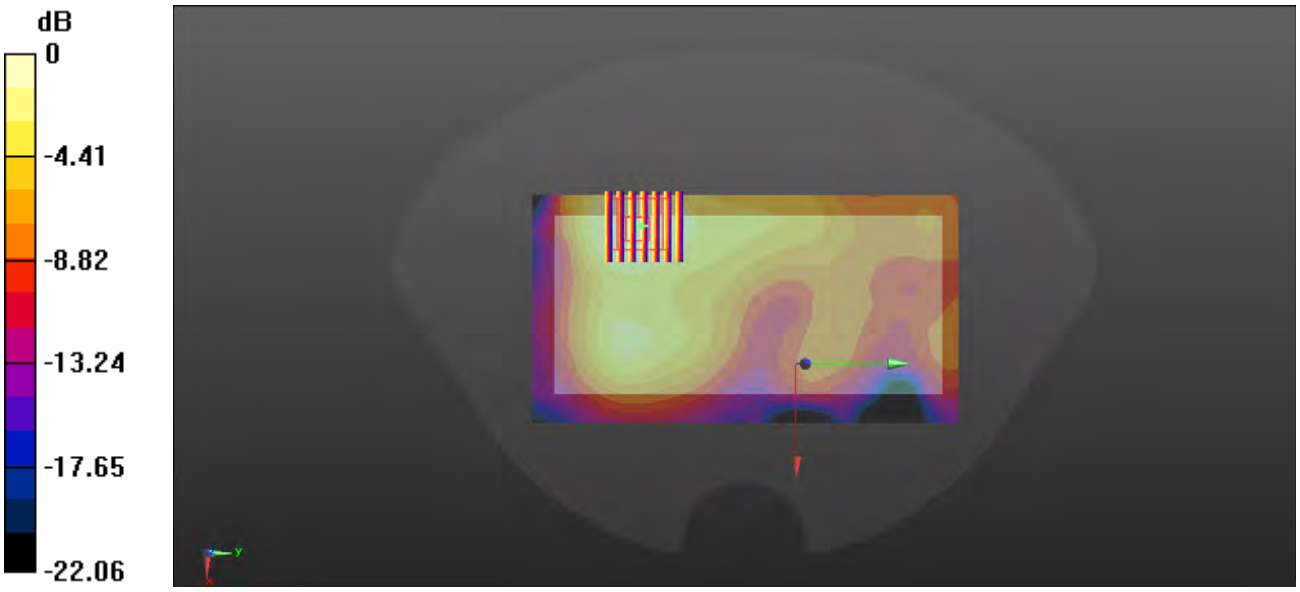
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.704 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.548 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.331 W/kg



0 dB = 0.331 W/kg

Meas.54 Body Plane with Back Side 10mm on Middle Channel in N38 mode with Antenna 4

Date: 2022.03.14

Communication System Band: n38; Frequency: 2595 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.977 S/m; ε_r = 38.062; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch519000/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.471 W/kg

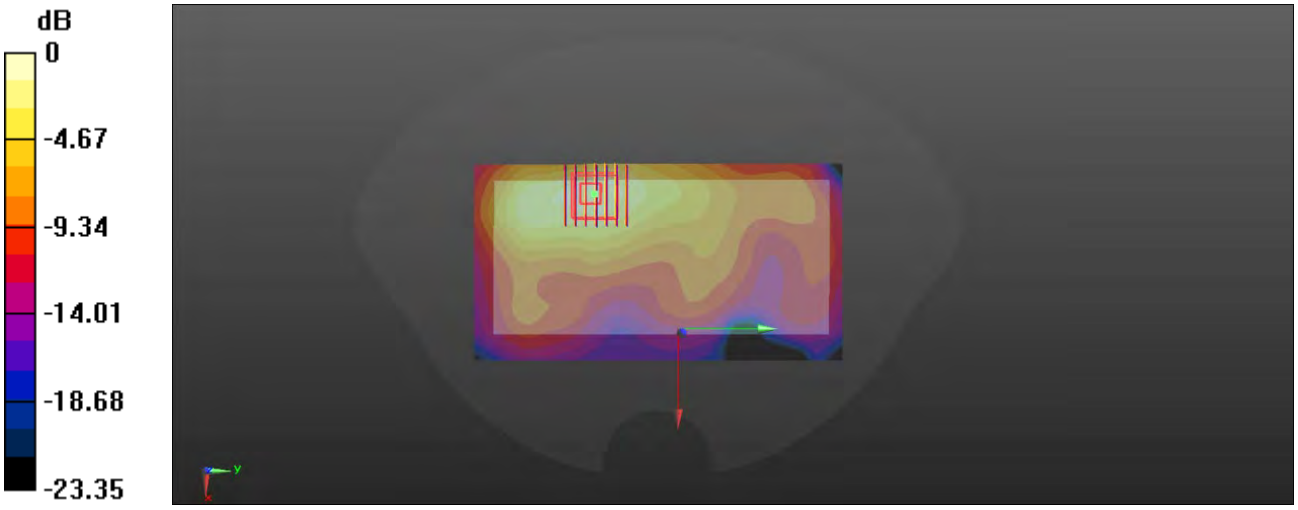
Ch519000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.142 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.891 W/kg

SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.470 W/kg



0 dB = 0.470 W/kg

Meas.55 Right Head with Cheek on Low Channel in N41 mode with Antenna 1

Date: 2022.03.17

Communication System Band: N41; Frequency: 2546.01 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2546.01 MHz; σ = 1.868 S/m; ε_r = 39.505; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch509202/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

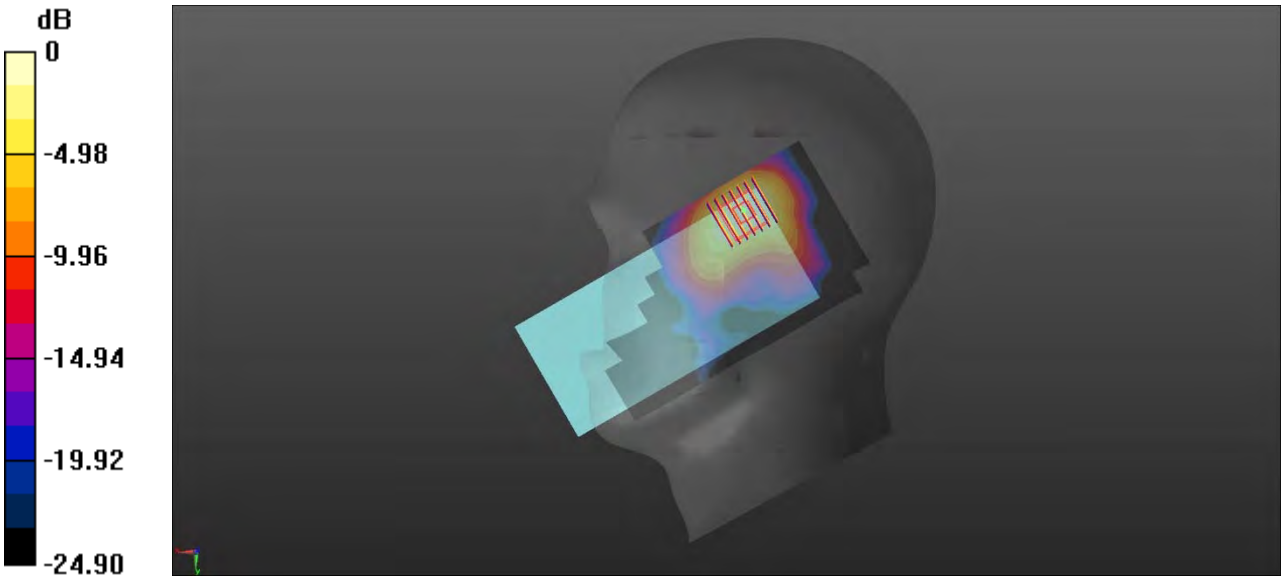
Ch509202/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.954 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 0.902 W/kg; SAR(10 g) = 0.568 W/kg

Maximum value of SAR (measured) =1.06 W/kg



0 dB = 1.06 W/kg

Meas.56 Body Plane with Back Side 15mm on Middle Channel in N41 mode with Antenna 0

Date: 2022.03.18

Communication System Band: n41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.948 S/m; ε_r = 38.721; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.253 W/kg

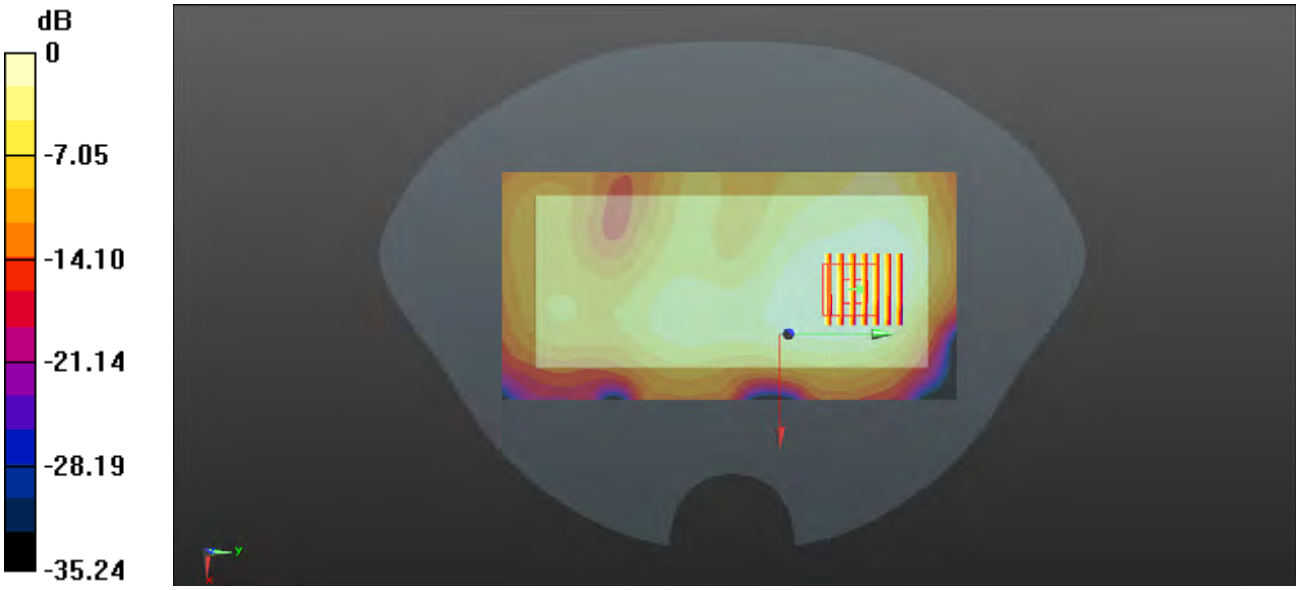
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.774 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg

Meas.57 Body Plane with Back Side 10mm on Middle Channel in N41 mode with Antenna 4

Date: 2022.03.18

Communication System Band: n41; Frequency: 2592.99 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.948 S/m; ε_r = 38.721; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.2 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch518598/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.723 W/kg

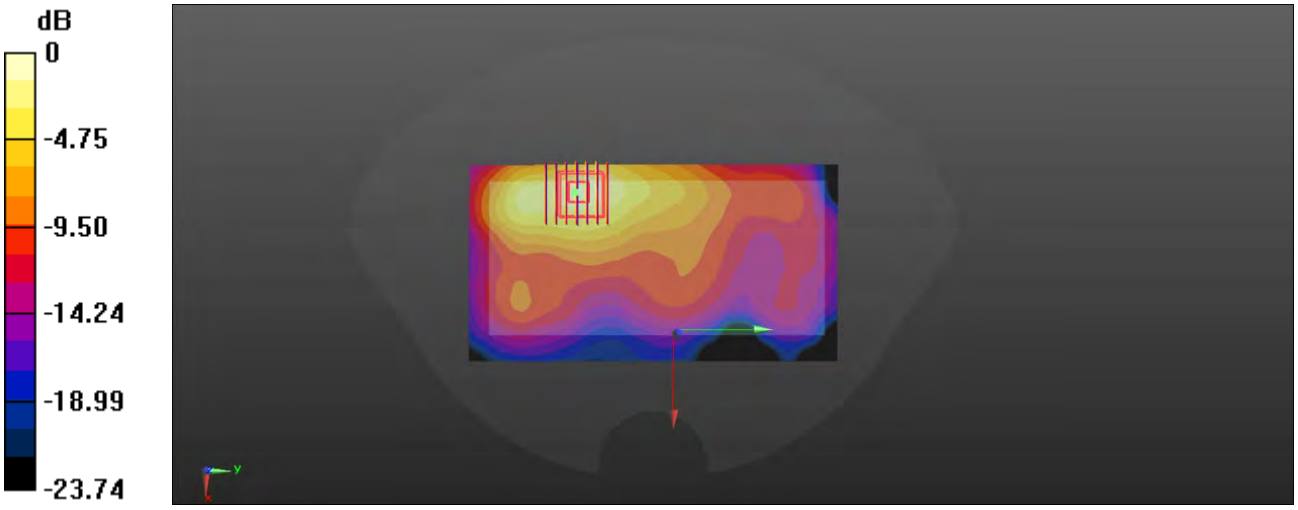
Ch518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.956 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 0.744 W/kg



0 dB = 0.744 W/kg

Meas.58 Left Head with Tilt on Middle Channel in IEEE802.11b mode

Date: 2022.03.06

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.005

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.804 S/m; ε_r = 39.829; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.916 W/kg

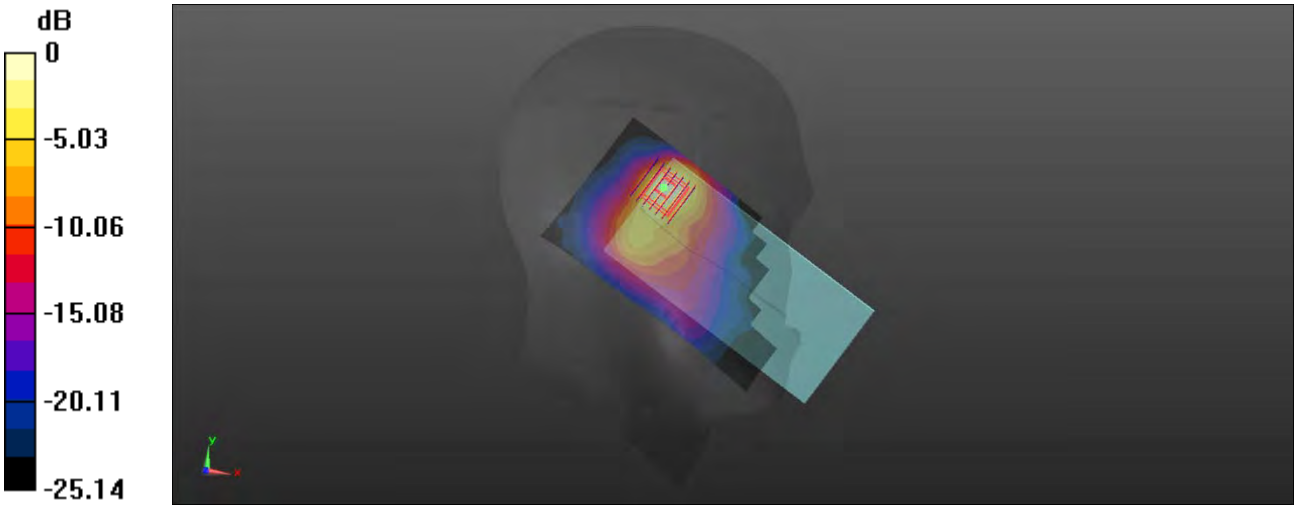
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.32 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.809 W/kg; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 0.916 W/kg



0 dB = 0.916 W/kg

Meas.59 Body Plane with Back Side 15mm on Middle Channel in IEEE802.11b mode

Date: 2022.03.06

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.005

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.804 S/m; ε_r = 39.829; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

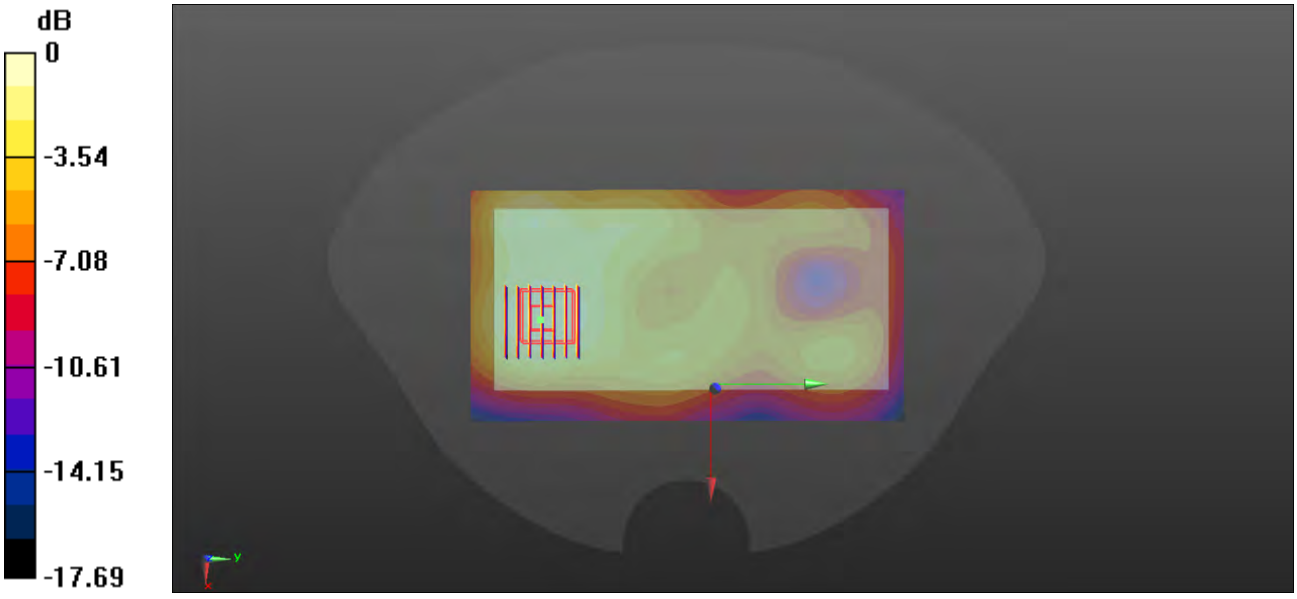
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.334 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.204 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.071 W/kg

Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.129 W/kg

Meas.60 Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b mode with Antenna 7

Date: 2022.03.06

Communication System Band: WLAN(b); Frequency: 2437 MHz;Duty Cycle: 1:1.01

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.804 S/m; ε_r = 39.829; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); 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) = 0.443 W/kg

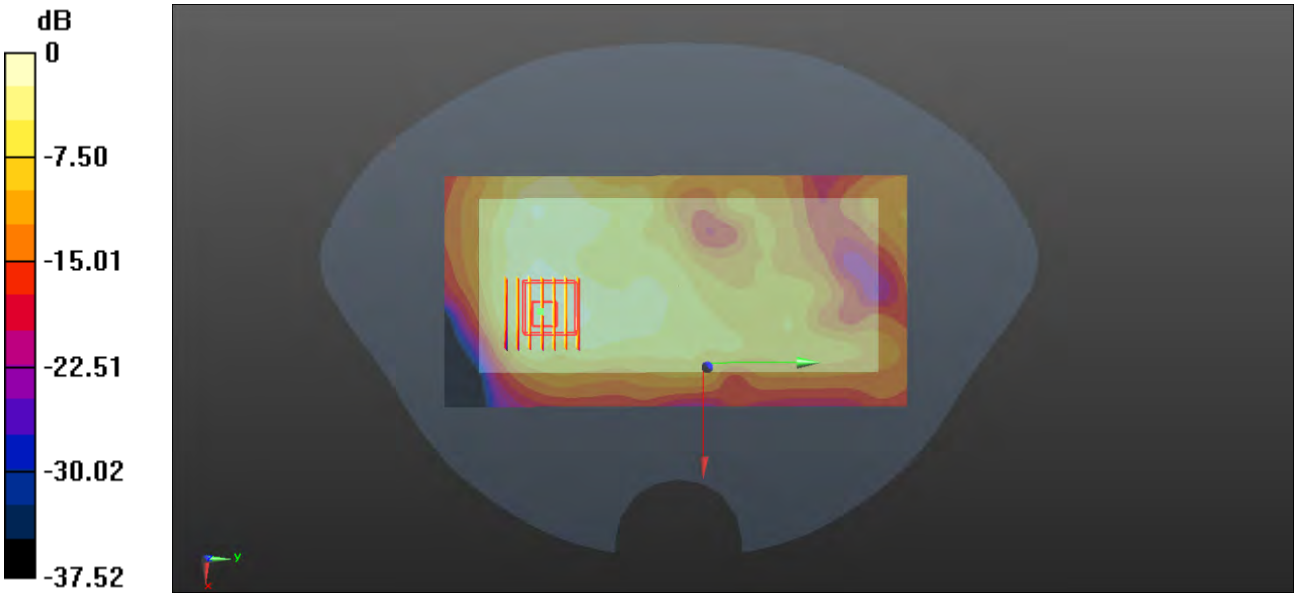
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.338 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.829 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.417 W/kg



0 dB = 0.417 W/kg

Meas.61 Left Head with Tilt on 58 Channel in IEEE802.11ac80 mode

Date: 2022.03.19

Communication System Band: WLAN(ac80); Frequency: 5290 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.786 S/m; ε_r = 35.119; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.38 W/kg

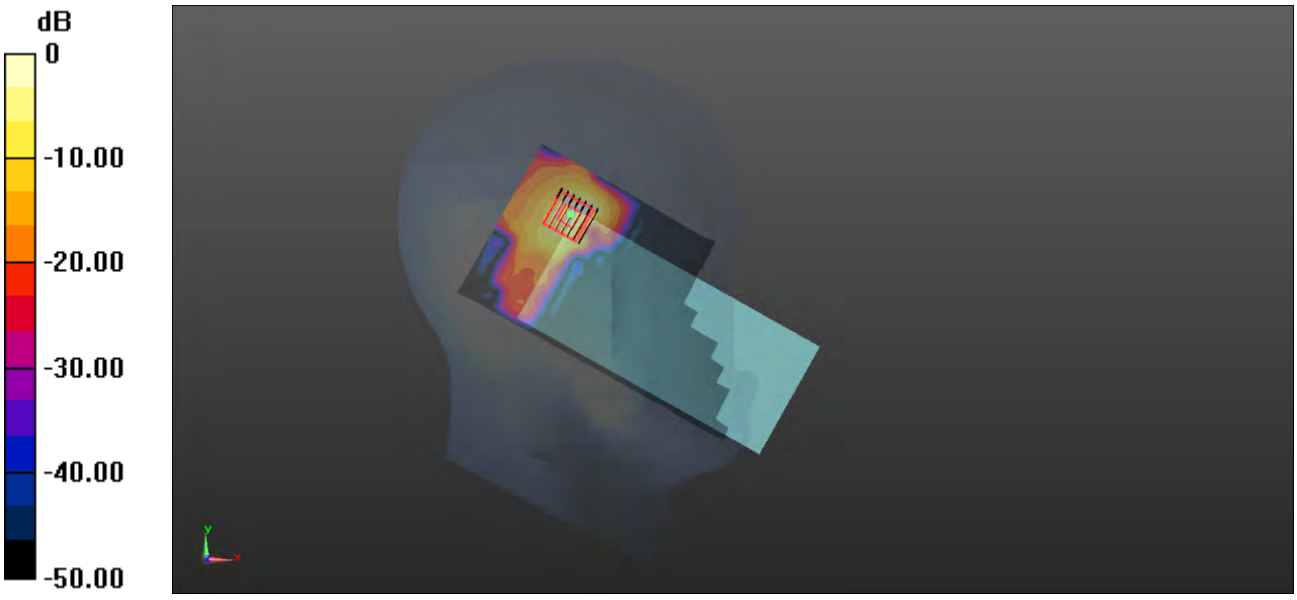
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.6400 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 6.23 W/kg

SAR(1 g) = 0.802 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg

Meas.62 Left Head with Tilt on 106 Channel in IEEE802.11ac80 mode

Date: 2022.03.20

Communication System Band: WLAN(ac80); Frequency: 5530 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5530 MHz; σ = 4.993 S/m; ε_r = 36.545; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); 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) = 1.58 W/kg

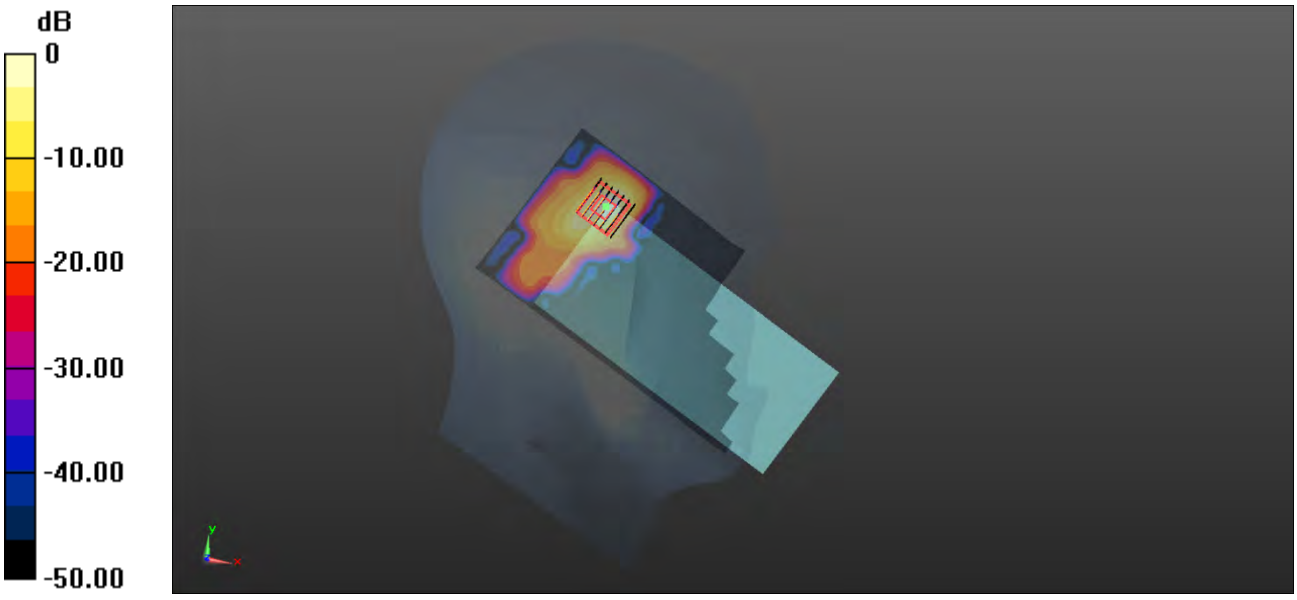
C**h106/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.081 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 9.95 W/kg

SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 1.75 W/kg

Meas.63 Left Head with Tilt on 155 Channel in IEEE802.11ac80 mode

Date: 2022.03.21

Communication System Band: WLAN(ac80); Frequency: 5775 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.108 S/m; ε_r = 34.585; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.7 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); 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) = 0.926 W/kg

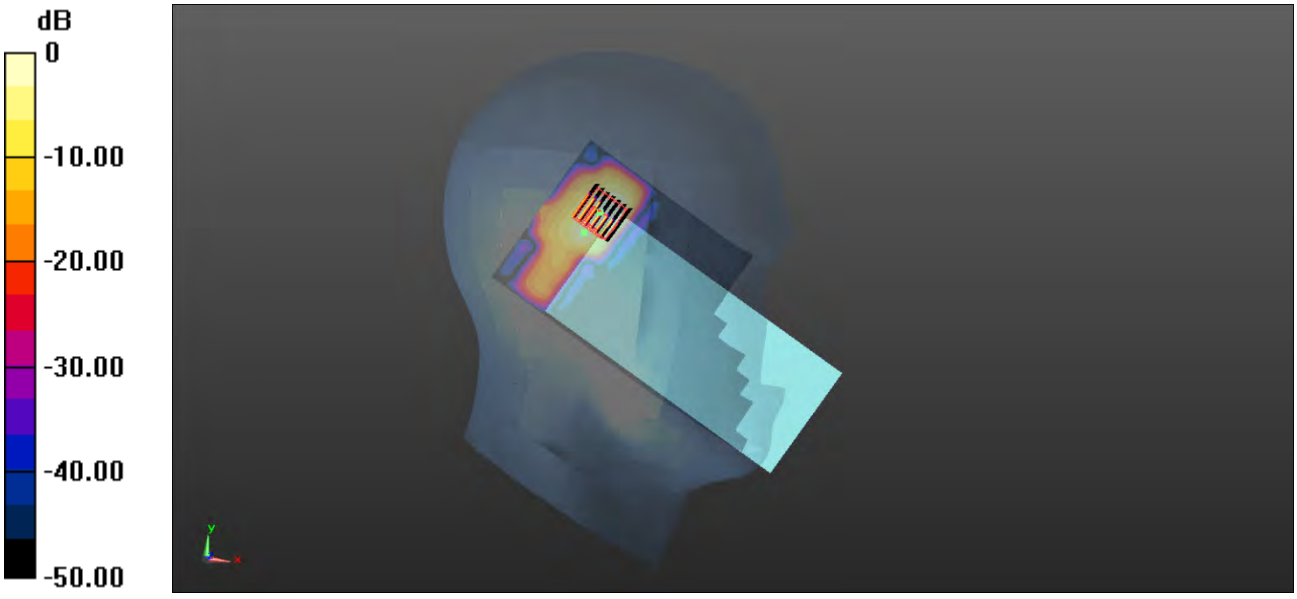
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.68 W/kg

SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.080 W/kg

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



0 dB = 0.907 W/kg

Meas.64 Body Plane with Back Side 15mm on 58 Channel in IEEE802.11ac80 mode

Date: 2022.03.19

Communication System Band: WLAN(ac80); Frequency: 5290 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.786 S/m; ε_r = 35.119; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (91x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.324 W/kg

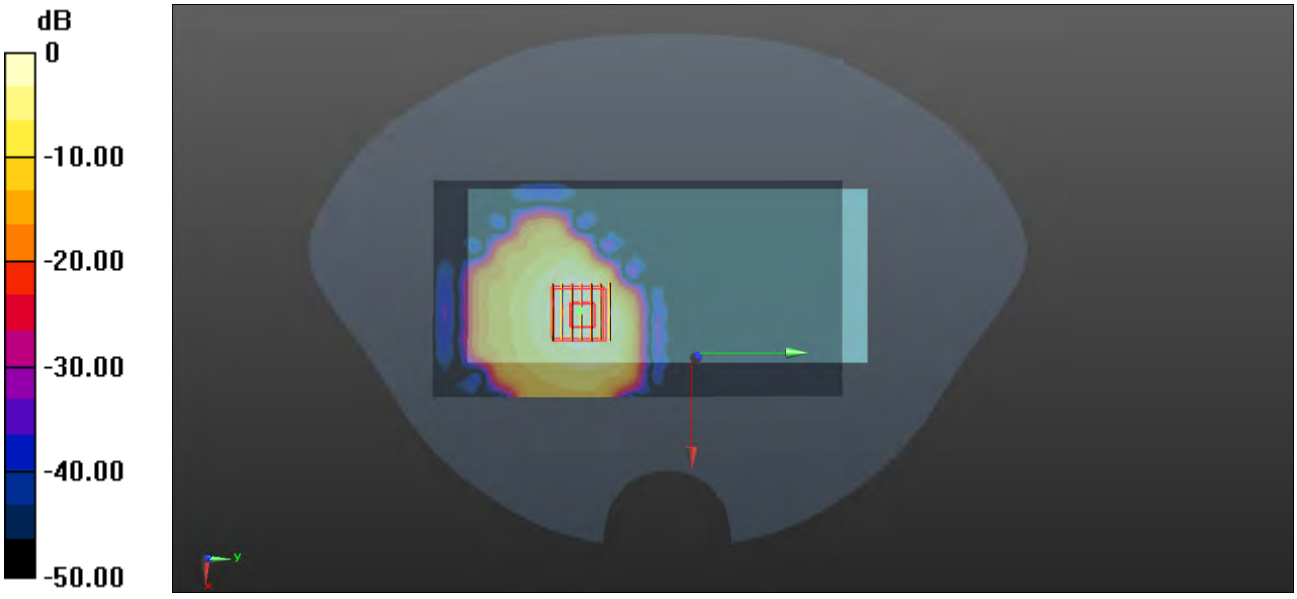
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.597 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.309 W/kg



0 dB = 0.309 W/kg

Meas.65 Body Plane with Back Side 15mm on 106 Channel in IEEE802.11ac80 mode

Date: 2022.03.20

Communication System Band: WLAN(ac80); Frequency: 5530 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5530 MHz; σ = 4.993 S/m; ε_r = 36.545; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (91x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.385 W/kg

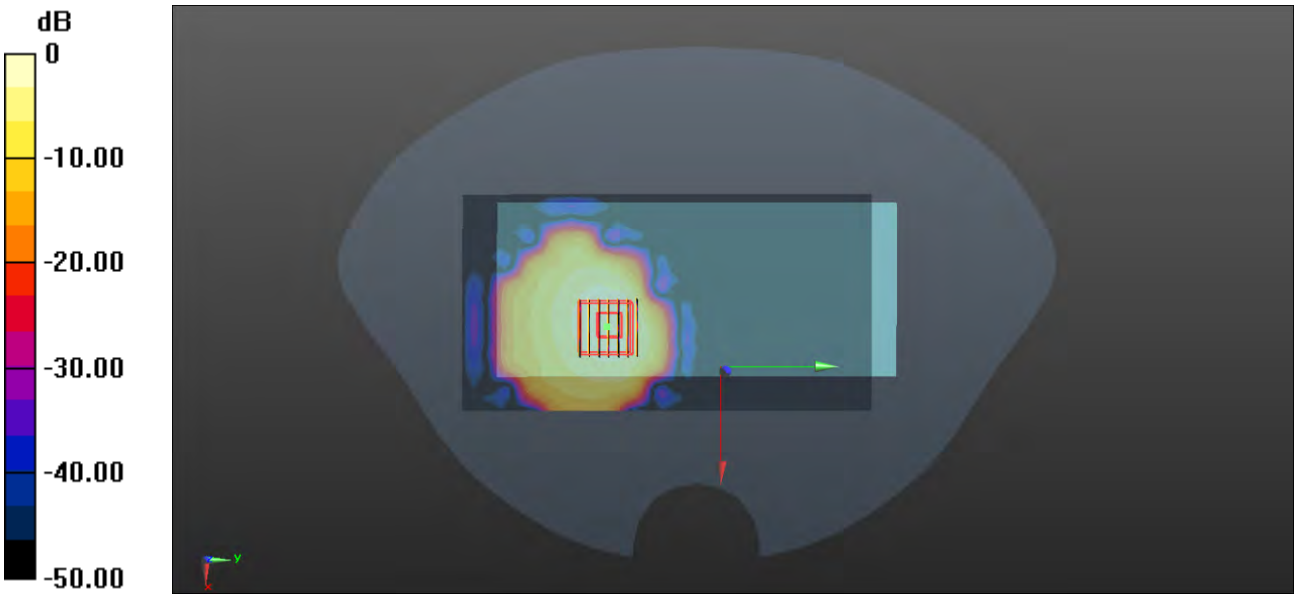
Ch106/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.374 W/kg



0 dB = 0.374 W/kg

Meas.66 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with

Date: 2022.03.21

Communication System Band: WLAN(ac80); Frequency: 5775 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.108 S/m; ε_r = 34.585; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (91x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

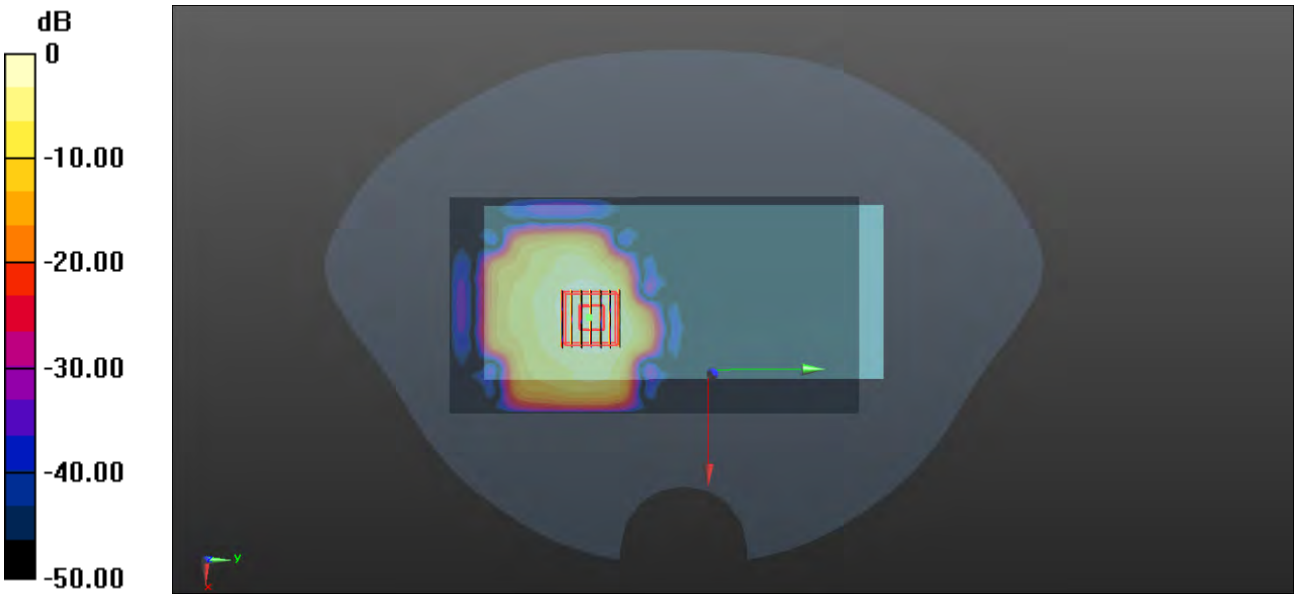
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.058 W/kg

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



0 dB = 0.303 W/kg

Meas.67 Body Plane with Left Edge 10mm on 42 Channel in IEEE802.11ac80 mode

Date: 2022.03.19

Communication System Band: WLAN(ac80); Frequency: 5210 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5210 MHz; σ = 4.661 S/m; ε_r = 35.438; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch42/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.753 W/kg

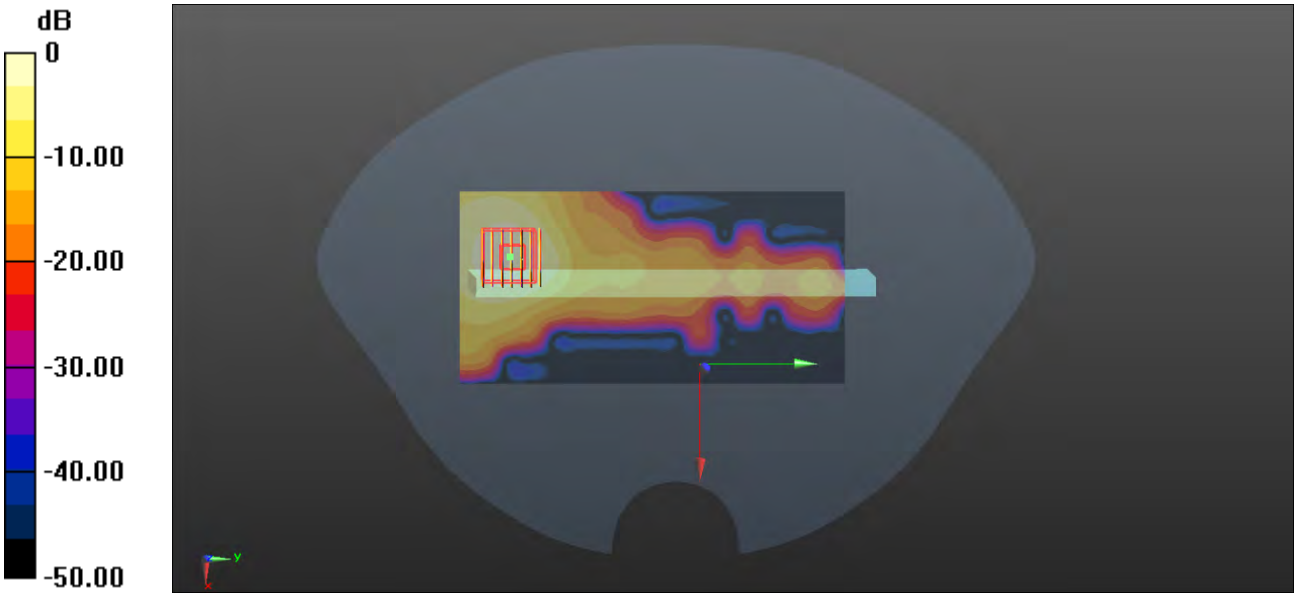
Ch42/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.725 W/kg



0 dB = 0.725 W/kg

Meas.68 Body Plane with Left Edge 10mm on 155 Channel in IEEE802.11ac80 mode

Date: 2022.03.21

Communication System Band: WLAN(ac80); Frequency: 5775 MHz;Duty Cycle: 1:1.01

Medium parameters used (interpolated): f = 5775 MHz; σ = 5.108 S/m; ε_r = 34.585; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch155/Area Scan (91x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.841 W/kg

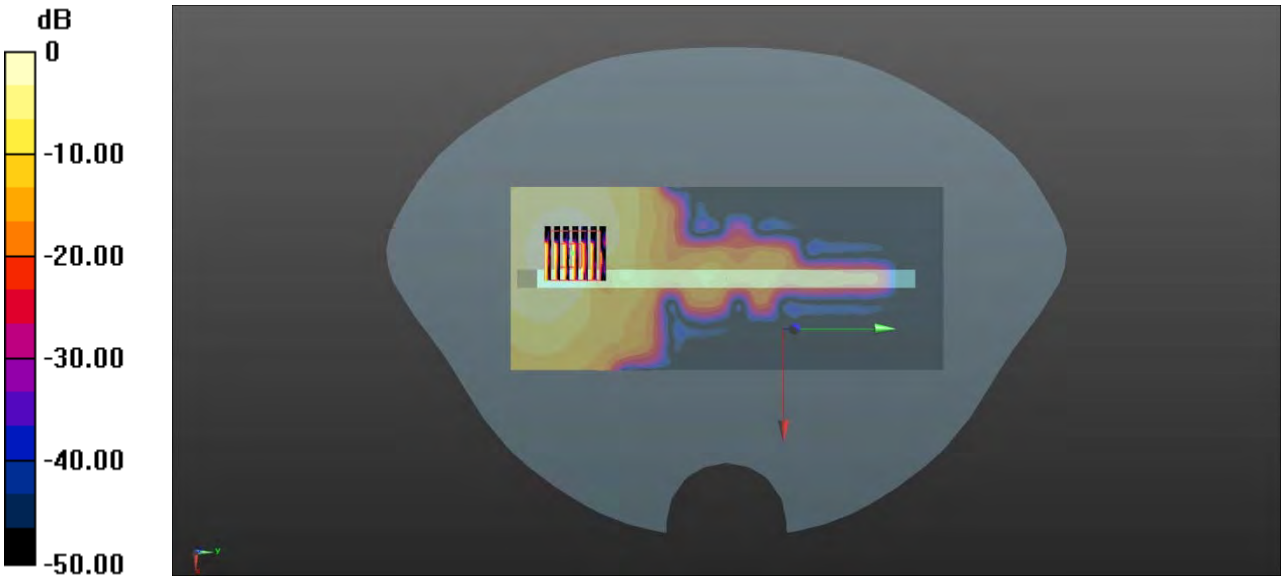
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.821 W/kg



0 dB = 0.821 W/kg

Meas.69 Body Plane with Left Edge 0mm on 58 Channel in IEEE802.11ac80 mode

Date: 2022.03.19

Communication System Band: WLAN(ac80); Frequency: 5290 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5290 MHz; σ = 4.786 S/m; ε_r = 35.119; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(5.72, 5.72, 5.72); Calibrated: 2021.07.23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (81x161x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 12.5 W/kg

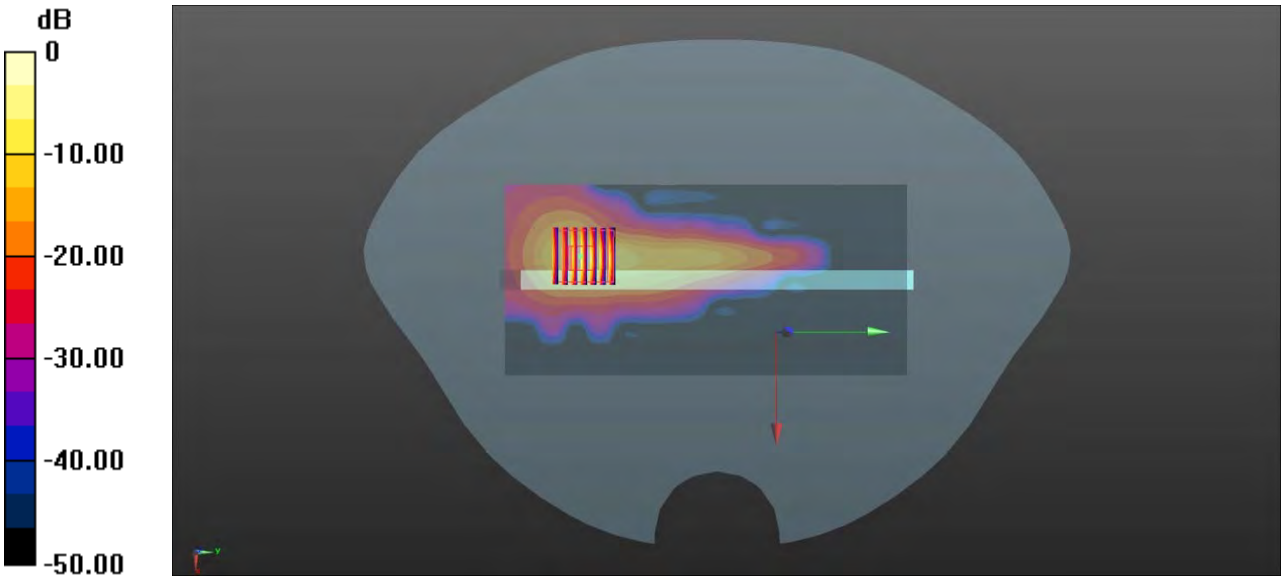
Ch58/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.074 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 31.7 W/kg

SAR(1 g) = 5.13 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 13.9 W/kg



0 dB =13.9 W/kg

Meas.70 Body Plane with Left Edge 0mm on 106 Channel in IEEE802.11ac80 mode

Date: 2022.03.20

Communication System Band: WLAN(ac80); Frequency: 5530 MHz;Duty Cycle: 1:1.11

Medium parameters used (interpolated): f = 5530 MHz; σ = 4.993 S/m; ε_r = 36.545; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 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 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (91x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.2 W/kg

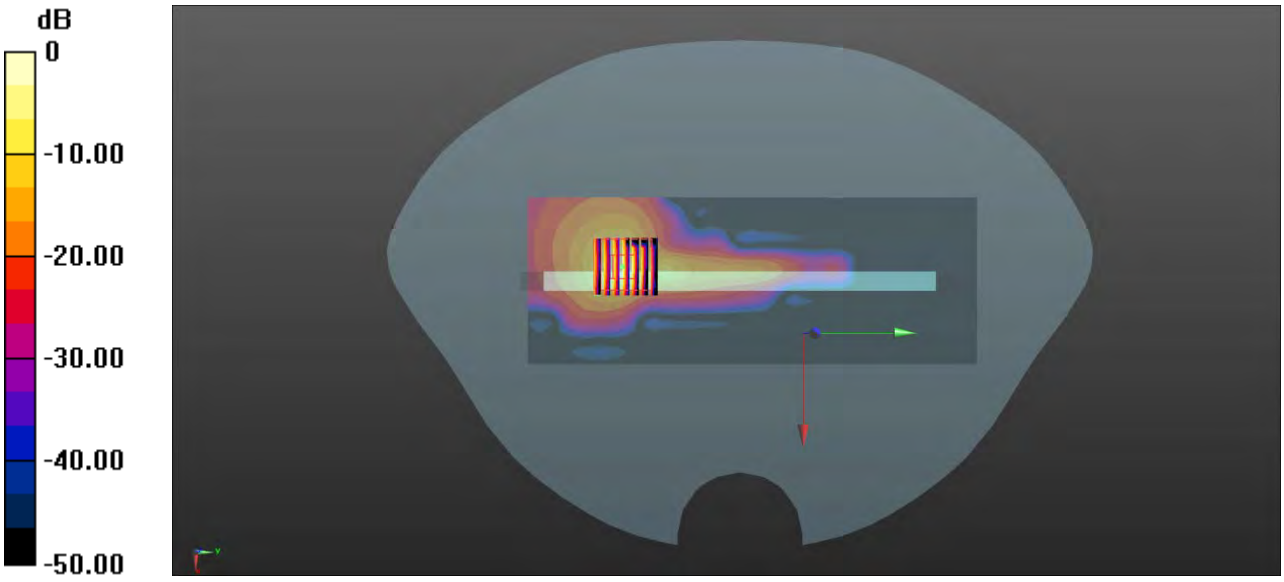
Ch106/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.376 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 4.27 W/kg; SAR(10 g) = 1.08 W/kg

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg

Meas.71 Left Head with Cheek on Middle Channel in Bluetooth mode

Date: 2022.03.06

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.806 S/m; ε_r = 39.909; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.211 W/kg

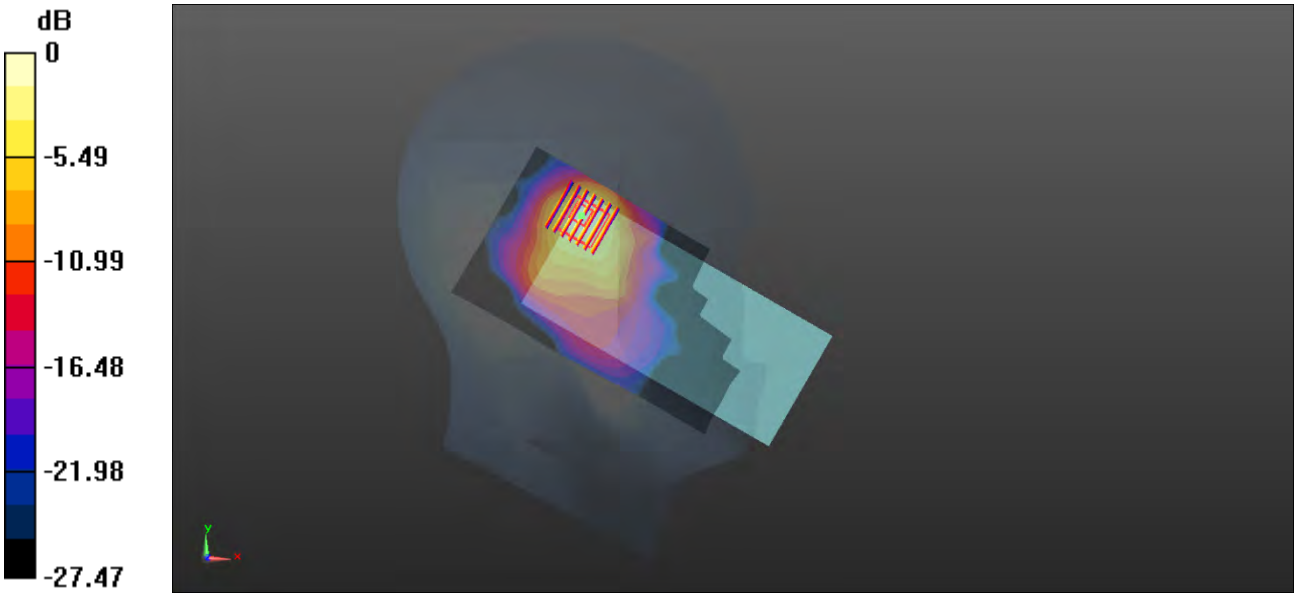
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.326 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.108 W/kg

Maximum value of SAR (measured) = 0.207 W/kg



0 dB = 0.207 W/kg

Meas.72 Body Plane with Back Side 15mm on Middle Channel in Bluetooth mode

Date: 2022.03.06

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.806 S/m; ε_r = 39.909; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.031 W/kg

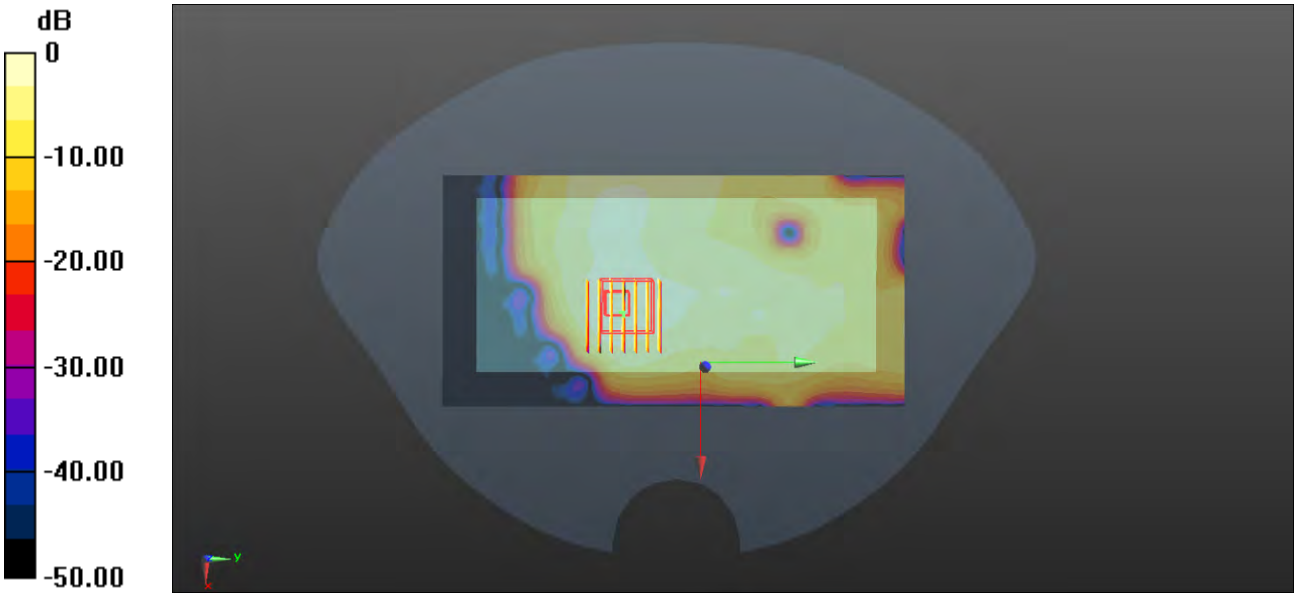
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.810 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.017 W/kg

Maximum value of SAR (measured) = 0.042 W/kg



0 dB = 0.042 W/kg

Meas.73 Body Plane with Back Side 10mm on Middle Channel in Bluetooth mode

Date: 2022.03.06

Communication System Band: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.304

Medium parameters used (interpolated): f = 2441 MHz; σ = 1.806 S/m; ε_r = 39.909; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN7663; ConvF(8.19, 8.19, 8.19); Calibrated: 2021.07.23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn878; Calibrated: 2021.07.15
- Phantom: SAM (30deg probe tilt) with CRP v5.0 on left 1857; Type: QD000P40CD; Serial: TP:1857
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.10 (7331)

Ch39/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.089 W/kg

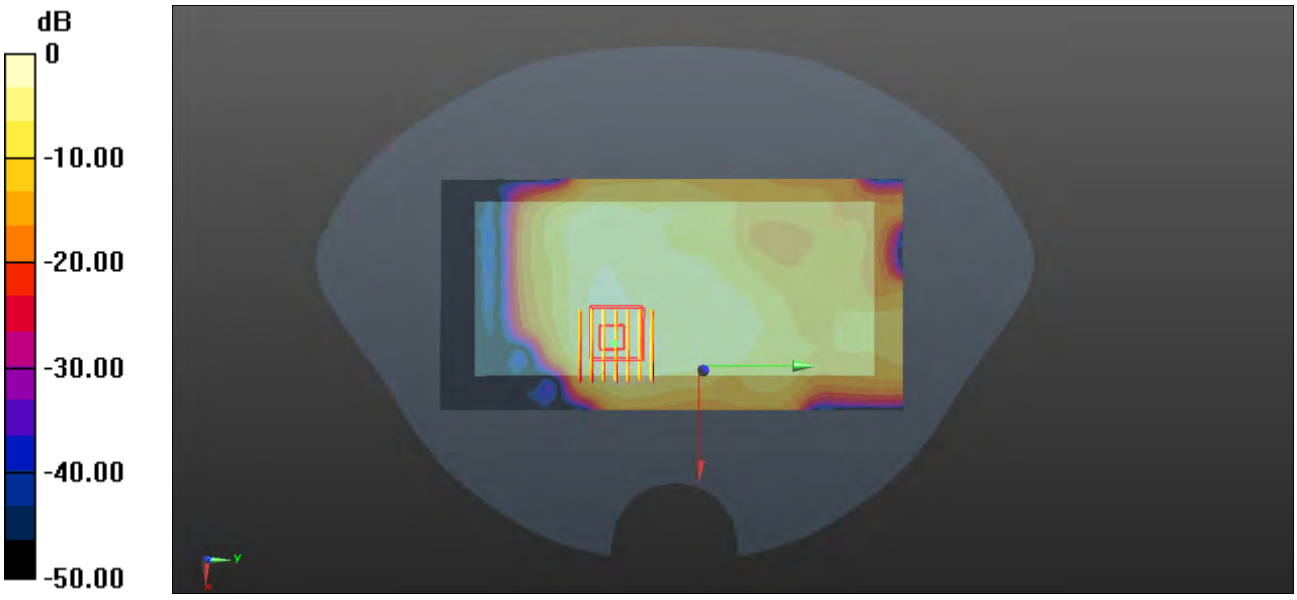
Ch39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.335 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.38 W/kg

Maximum value of SAR (measured) = 0.084 W/kg



0 dB = 0.084 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2220432-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2220432-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “CALIBRATION REPORT.pdf”.

Statement

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