

SAR TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
Mobile Phone

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



Tested by: <i>Zhang Jiwei</i> Zhang Jiwei Date Feb. 23, 2022	Report No.:	BL-SZ21C0655-701
	EUT Name:	Mobile Phone
Approved by: <i>Wei Yanquan</i> Wei Yanquan (Chief Engineer) Date Feb. 23, 2022	Model Name:	RMX3516
	Brand Name:	realme
	FCC ID:	2AUYFRMX3516
	Test Standard:	FCC 47 CFR Part 2.1093 (Others refer to chapter 3.1)
	Maximum SAR:	Head (1 g): 1.18 W/kg Body (1 g): 1.19 W/kg Hotspot (1 g): 0.98 W/kg Specific (10 g): 2.19 W/kg
	Test Conclusion:	Pass
	Test Date:	Dec. 27, 2021 ~ Feb. 21, 2022
	Date of Issue:	Feb. 23, 2022

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Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Feb. 23, 2022</u>	<u>Initial Issue</u>

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1 GENERAL INFORMATION

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Test Environment Condition

Ambient Temperature	21.2°C to 23°C
Ambient Relative Humidity	32% to 49%
Ambient Pressure	100 KPa to 102 KPa

1.4 Announce

- (1) The test report reference to the report template version v2.2.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 PRODUCT INFORMATION

2.1 Applicant Information

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

2.2 Manufacturer Information

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

2.3 Factory Information

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

2.4 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3516
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	Android 11
Dimensions (Approx.)	164.30*75.60*8.15(mm)
Weight (Approx.)	193.00g (with battery)
EUT ID	S01, S02
IMEI Number	S01: 862096060036915; 862096060036907 S02: 862096060037293; 862096060037285
Note1: EUT ID is used to identify the test sample in the lab internally.	
Note2: It is performed to test SAR with the EUT S01 and conducted power with the EUT S02.	

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Realme
	Model No.	BLP877
	Serial No.	N/A
	Capacity	4890 mAh
	Rated Voltage	3.87 V
	Limit Charge Voltage	4.45 V

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EGPRS 850/ 1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/ 4/ 5 4G Network FDD LTE Band 2/ 4/ 5/ 7/ 12/ 17/ 26/ 66 TDD LTE Band 38/ 41 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/2A/2C/3, GPS, GLONASS, BDS, SBAS, FM Receiver
Note : The EUT is a mobile phone, which supports dual SIM card under the same transceiver. Each SIM supports GSM, WCDMA and LTE, 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, 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 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180MHz
	LTE Band 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2535 ~ 2655 MHz	RX: 2535 ~ 2655 MHz
		802.11b/g /n(HT20/HT40)	2412 ~ 2462 MHz
	802.11a/ /n(HT20/HT40)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
	/ac(VHT20/VHT40/VHT80)	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	
	<input checked="" type="checkbox"/> Production unit	<input type="checkbox"/> Identical prototype
Note: 1. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G transmitter for held-to-ear exposure conditions. 2. The device utilizes independent power reduction mechanisms for SAR compliance for the 2/3/4G 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/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR (1 g Value)

Band	Maximum Scaled SAR (W/kg)			Maximum Report SAR (W/kg)		
	Head	Body-worn Accessory	Hotspot	Head	Body-worn Accessory	Hotspot
GSM 850	0.62	0.20	0.42	1.18	1.19	0.98
GSM 1900	0.65	0.32	0.98			
WCDMA Band 2	1.00	0.43	0.94			
WCDMA Band 4	1.17	0.27	0.79			
WCDMA Band 5	0.80	0.14	0.33			
LTE Band 2	0.80	0.36	0.79			
LTE Band 4	0.98	0.42	0.85			
LTE Band 5	0.39	0.18	0.29			
LTE Band 7	0.44	0.31	0.38			
LTE Band 12	0.08	0.21	0.28			
LTE Band 26	0.46	0.20	0.27			
LTE Band 66	1.18	0.49	0.66			
LTE Band 38	0.53	0.23	0.53			
LTE Band 41	0.44	0.19	0.54			
2.4G WLAN	0.34	0.50	0.14			
5.2G WLAN	/	/	0.37			
5.3G WLAN	1.15	0.85	/			
5.6G WLAN	0.77	0.77	/			
5.8G WLAN	0.86	1.19	0.37			
Bluetooth	0.40	0.08	0.15			
Limit (W/kg)	1.6			1.6		
Verdict	PASS					

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

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	1.36	2.19
5.6G WLAN	2.19	
5.8G WLAN	2.09	
Limit (W/kg)	4.0	4.0
Verdict	Pass	

Note: The highest simultaneous SAR please refer section 12.

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.19 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 2.19 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:

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

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

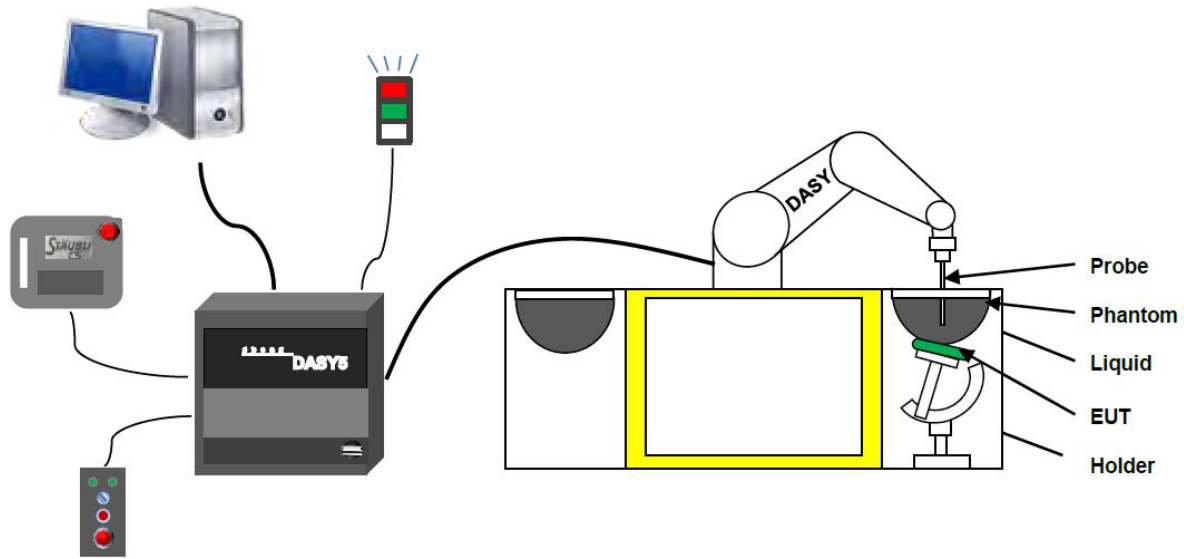
$$\mathbf{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY 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 DASYS5 measurement server.
6. The DASYS5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASYS5 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 fields shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

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

- Construction Symmetrical design with triangular core Built-in optical fiber for surface detection system
Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycoether)
- 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 $5 \mu\text{W/g}$ to $> 100 \text{ mW/g}$; 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, Antenna 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

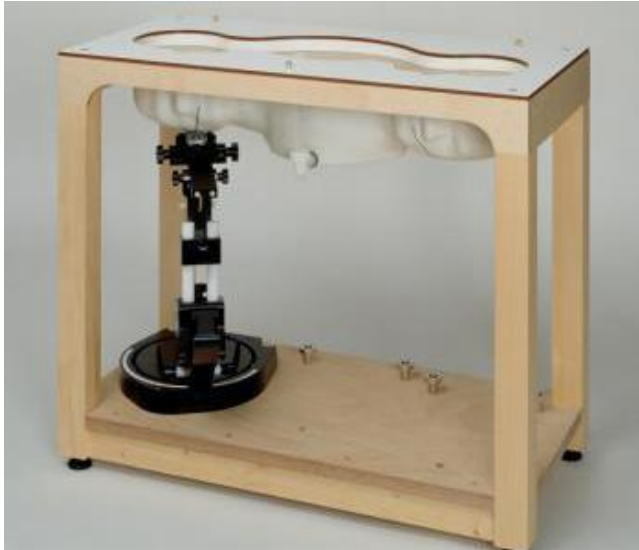
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left hand
- Right hand
- Flat phantom

Photo of Phantom SN1857



Photo of Phantom SN1859



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

4.2.6 Device Holder

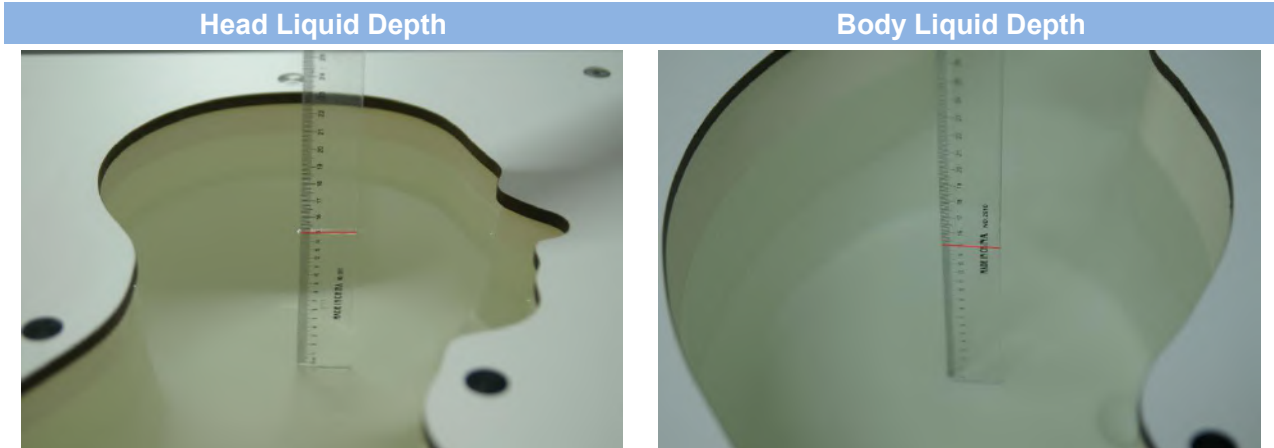
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for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



The positioning system allows obtaining cheek and tilting position with a very good accuracy. In compliance 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%.



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

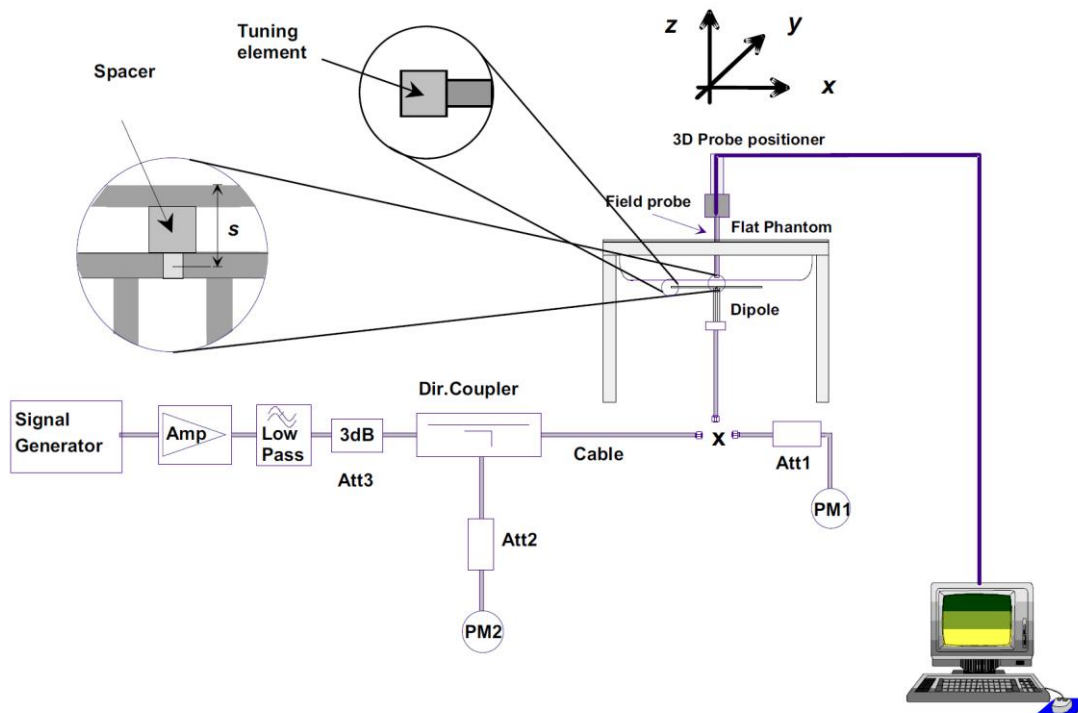
5 SYSTEM VERIFICATION

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

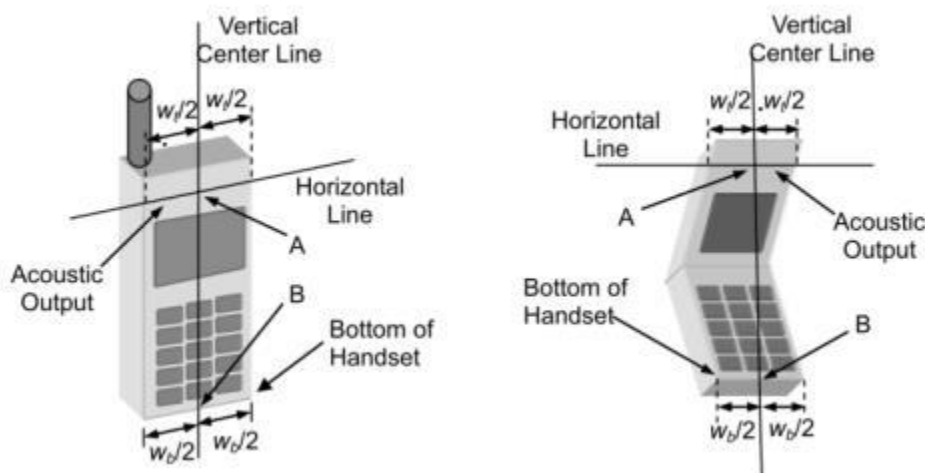
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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.

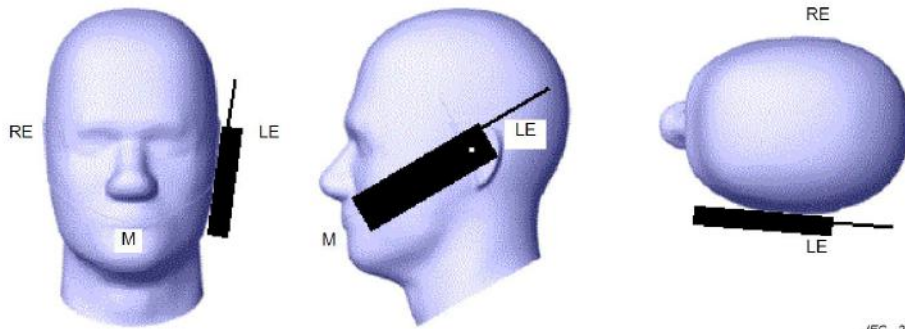
6.1.1 Two Imaginary Lines on the Handset

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



6.1.2 Cheek Position

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



IEC 226/05

6.1.3 Tilted Position

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

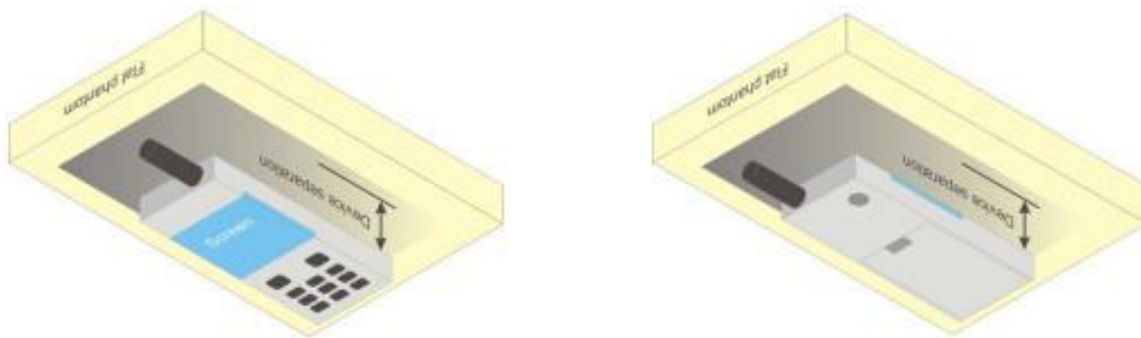


6.2 Body-worn Position Conditions

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

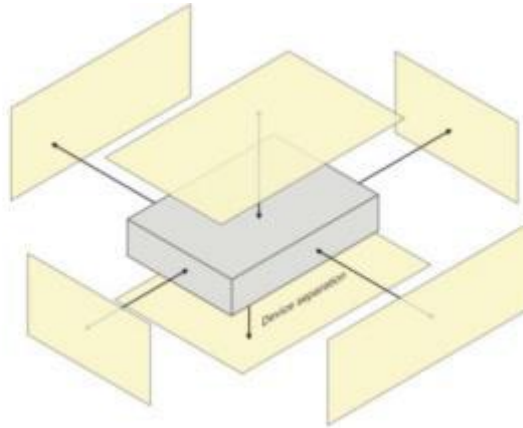
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

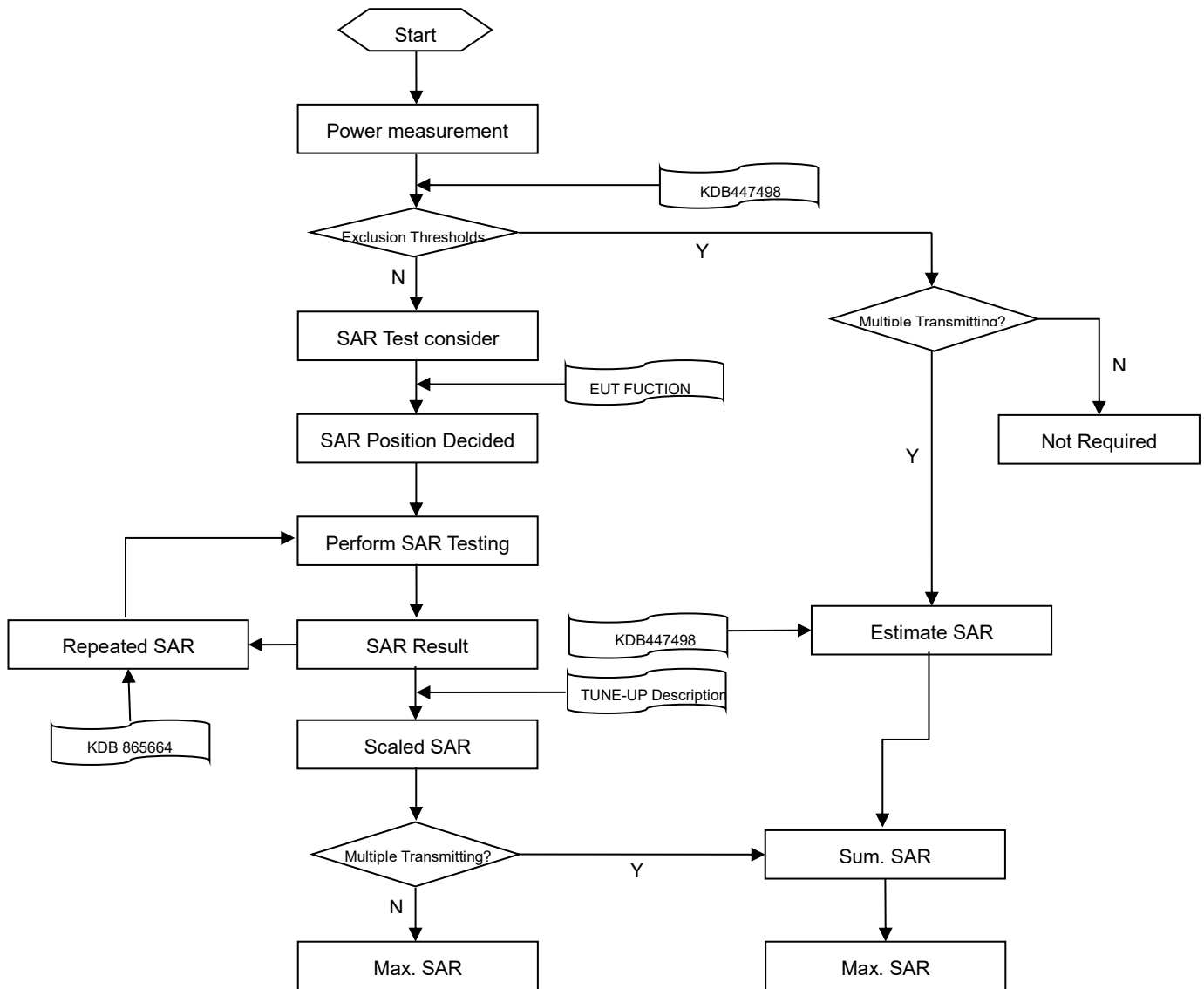
According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed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

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

6
6.

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

		≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface		5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location		30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area		≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
		When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom		≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)	≤ 5 mm	3–4 GHz: ≤ 4 mm
			4–5 GHz: ≤ 3 mm
			5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm
Δz Zoom (n>1): between subsequent points		4–5 GHz: ≤ 2.5 mm 5–6 GHz: ≤ 2 mm	
Minimum zoom scan volume	x, y, z	≥30 mm	3–4 GHz: ≥ 28 mm
			4–5 GHz: ≥ 25 mm
			5–6 GHz: ≥ 22 mm
Note: 1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. 2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.			

7.3 Measurement Procedure

The following steps are used for each test position

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

7.4 Area & Zoom Scan Procedure

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

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

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".GSM

8.3 LTE

Please refer the document "Conducted RF Output Power List.pdf".

8.4 WIFI

8.4.1 2.4G WIFI Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.88	20.00	No
		2	2417	19.51	20.00	No
		3	2422	18.66	19.00	No
		4	2427	16.45	17.00	No
		5	2432	15.53	16.00	No
		6	2437	16.02	17.00	No
		7	2442	19.82	20.00	No
		8	2447	19.85	20.00	No
		9	2452	19.89	20.00	Yes
		10	2457	16.92	17.00	No
		11	2462	15.21	16.00	No
	802.11g	1	2412	13.32	15.00	No
		2	2417	17.23	19.00	No
		5	2432	17.35	19.00	No
		6	2437	15.36	17.00	No
		7	2442	14.65	16.00	No
		8	2447	14.00	15.00	No
		9	2452	15.27	16.00	No
		10	2457	15.60	17.00	No
		11	2462	13.19	15.00	No
	802.11n(HT20)	1	2412	10.80	12.00	No
		2	2417	17.06	19.00	No
5		2432	17.14	19.00	No	
6		2437	14.83	16.00	No	
7		2442	14.91	16.00	No	
8		2447	14.39	15.00	No	
9		2452	14.59	15.00	No	
10		2457	14.32	15.00	No	
11		2462	10.72	12.00	No	
802.11n(HT40)	3	2422	14.43	17.00	No	
	4	2427	15.80	18.00	No	
	5	2432	15.89	18.00	No	
	6	2437	14.48	17.00	No	
	7	2442	12.98	15.00	No	
	8	2447	12.48	14.00	No	
	9	2452	9.57	11.00	No	

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the

test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = $0.497 * (79.43\text{mW}/100\text{mW}) = 0.395$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.2 2.4G WIFI Level 1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	11.56	12.00	Yes
		6	2437	11.16	12.00	No
		11	2462	11.42	12.00	No
	802.11g	1	2412	9.65	11.00	No
		6	2437	9.33	11.00	No
		11	2462	9.33	11.00	No
	802.11n(HT20)	1	2412	9.53	11.00	No
		6	2437	9.62	11.00	No
		11	2462	9.34	11.00	No
	802.11n(HT40)	3	2422	9.59	11.00	No
		6	2437	9.29	11.00	No
		9	2452	9.57	11.00	No

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

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = $0.497 * (12.59\text{mW}/15.85\text{mW}) = 0.395$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.3 2.4G WIFI Level 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	9.63	10.00	Yes
		6	2437	9.54	10.00	No
		11	2462	9.29	10.00	No

	802.11g	1	2412	8.61	9.00	No
		6	2437	8.60	9.00	No
		11	2462	8.32	9.00	No
	802.11n(HT20)	1	2412	8.37	9.00	No
		6	2437	8.64	9.00	No
		11	2462	8.67	9.00	No
	802.11n(HT40)	3	2422	8.55	9.00	No
		6	2437	8.60	9.00	No
		9	2452	8.62	9.00	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) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = $0.497 * (7.94\text{mW}/10.00\text{mW}) = 0.395$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.4 2.4G WIFI Level 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	17.88	20.00	No
		2	2417	19.51	20.00	No
		3	2422	18.66	19.00	No
		4	2427	16.45	17.00	No
		5	2432	15.53	16.00	No
		6	2437	16.02	17.00	No
		7	2442	19.82	20.00	No
		8	2447	19.85	20.00	No
		9	2452	19.89	20.00	Yes
		10	2457	16.92	17.00	No
		11	2462	15.21	16.00	No
	802.11g	1	2412	13.32	15.00	No
		2	2417	17.23	19.00	No
		5	2432	17.35	19.00	No
		6	2437	15.36	17.00	No
		7	2442	14.65	16.00	No
		8	2447	14.00	15.00	No
		9	2452	15.27	16.00	No
		10	2457	15.60	17.00	No

		11	2462	13.19	15.00	No
	802.11n(HT20)	1	2412	10.80	12.00	No
		2	2417	17.06	19.00	No
		5	2432	17.14	19.00	No
		6	2437	14.83	16.00	No
		7	2442	14.91	16.00	No
		8	2447	14.39	15.00	No
		9	2452	14.59	15.00	No
		10	2457	14.32	15.00	No
		11	2462	10.72	12.00	No
	802.11n(HT40)	3	2422	14.43	17.00	No
		4	2427	15.80	18.00	No
		5	2432	15.89	18.00	No
		6	2437	14.48	17.00	No
		7	2442	12.98	15.00	No
		8	2447	12.48	14.00	No
		9	2452	9.57	11.00	No

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

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

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

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = $0.497 * (79.43\text{mW}/100\text{mW}) = 0.395$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.5 2.4G WIFI Level 4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
2.4 (2.4~2.4835)	802.11b	1	2412	13.57	14.00	No
		6	2437	13.53	14.00	Yes
		11	2462	13.53	14.00	No
	802.11g	1	2412	12.40	13.00	No
		6	2437	12.41	13.00	No
		11	2462	12.67	13.00	No
	802.11n(HT20)	1	2412	10.80	12.00	No
		2	2417	12.39	13.00	No
		6	2437	12.59	13.00	No
		10	2457	12.43	13.00	No
		11	2462	10.72	12.00	No

	802.11n(HT40)	3	2422	12.67	13.00	No
		6	2437	12.51	13.00	No
		8	2447	12.48	13.00	No
		9	2452	9.57	11.00	No

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

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

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

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.

Adjusted SAR = $0.497 * (19.95\text{mW}/25.12\text{mW}) = 0.395$ W/Kg, so 2.4G OFDM SAR test is not required.

8.4.6 5G WIFI Full Power

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.07	15.00	No
		44	5220	16.34	19.00	No
		48	5240	16.28	19.00	No
	802.11n(HT20)	36	5180	11.17	14.00	No
		44	5220	16.42	19.00	No
		48	5240	16.73	19.00	No
	802.11n(HT40)	38	5190	6.39	9.00	No
		46	5230	16.42	19.00	No
	802.11ac(VHT20)	36	5180	11.34	14.00	No
		44	5220	16.52	19.00	No
		48	5240	16.77	19.00	No
	802.11ac(VHT40)	38	5190	6.33	9.00	No
		46	5230	16.45	19.00	No
	802.11ac(VHT80)	42	5210	10.22	13.00	No
	5.3 (5.25~5.35)	802.11a	52	5260	16.19	19.00
60			5300	16.64	19.00	No
64			5320	10.37	13.00	No
802.11n(HT20)		52	5260	16.49	19.00	No
		60	5300	16.57	19.00	No
		64	5320	8.56	11.00	No
802.11n(HT40)		54	5270	16.56	19.00	Yes
		62	5310	8.40	11.00	No
802.11ac(VHT20)		52	5260	16.55	19.00	No
		60	5300	16.51	19.00	No

		64	5320	8.48	11.00	No
	802.11ac(VHT40)	54	5270	16.39	19.00	No
		62	5310	8.29	11.00	No
	802.11ac(VHT80)	58	5290	11.32	14.00	No
5.6 (5.47~5.725)	802.11a	100	5500	15.37	18.00	No
		116	5580	16.25	19.00	No
		140	5700	7.21	10.00	No
	802.11n(HT20)	100	5500	9.26	12.00	No
		116	5580	16.24	19.00	No
		140	5700	6.58	9.00	No
	802.11n(HT40)	102	5510	6.36	9.00	No
		118	5590	16.51	19.00	No
		134	5670	14.35	17.00	No
	802.11ac(VHT20)	100	5500	8.34	11.00	No
		116	5580	16.38	19.00	No
		140	5700	6.50	9.00	No
	802.11ac(VHT40)	102	5510	7.24	10.00	No
		118	5590	16.21	19.00	No
		134	5670	14.39	17.00	No
	802.11ac(VHT80)	106	5530	8.20	11.00	Yes
		122	5690	16.32	19.00	Yes
	5.8 (5.725~5.850)	802.11a	149	5745	16.23	19.00
157			5785	16.31	19.00	No
165			5825	16.26	19.00	No
802.11n(HT20)		149	5745	16.27	19.00	No
		157	5785	16.23	19.00	No
		165	5825	16.51	19.00	No
802.11n(HT40)		151	5755	16.88	19.00	No
		159	5795	16.81	19.00	No
802.11ac(VHT20)		149	5745	16.23	19.00	No
		157	5785	16.51	19.00	No
		165	5825	16.58	19.00	No
802.11ac(VHT40)		151	5755	16.23	19.00	No
		159	5795	16.33	19.00	No
802.11ac(VHT80)		155	5775	16.25	19.00	Yes

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

8.4.7 5G WIFI Level 1

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.07	15.00	No
		44	5220	14.36	15.00	No
		48	5240	14.30	15.00	No
	802.11n(HT20)	36	5180	11.17	14.00	No
		44	5220	14.50	15.00	No
		48	5240	14.50	15.00	No
	802.11n(HT40)	38	5190	6.39	9.00	No
		46	5230	14.59	15.00	No
	802.11ac(VHT20)	36	5180	11.34	14.00	No
		44	5220	14.32	15.00	No
		48	5240	14.58	15.00	No
	802.11ac(VHT40)	38	5190	6.33	9.00	No
		46	5230	14.40	15.00	No
	802.11ac(VHT80)	42	5210	10.22	13.00	No
	5.3 (5.25~5.35)	802.11a	52	5260	14.32	15.00
60			5300	14.30	15.00	No
64			5320	10.37	13.00	No
802.11n(HT20)		52	5260	14.47	15.00	No
		60	5300	14.30	15.00	No
		64	5320	8.56	11.00	No
802.11n(HT40)		54	5270	14.62	15.00	No
		62	5310	8.40	11.00	No
802.11ac(VHT20)		52	5260	14.44	15.00	No
		60	5300	14.57	15.00	No
		64	5320	8.48	11.00	No
802.11ac(VHT40)		54	5270	14.32	15.00	Yes
		62	5310	8.29	11.00	No
802.11ac(VHT80)		58	5290	11.32	14.00	No
5.6 (5.47~5.725)		802.11a	100	5500	15.37	16.00
	116		5580	15.63	16.00	No
	140		5700	7.21	9.00	No
	802.11n(HT20)	100	5500	9.26	11.00	No
		116	5580	15.42	16.00	No
		140	5700	6.58	9.00	No
	802.11n(HT40)	102	5510	6.36	9.00	No
		118	5590	15.62	16.00	No
		134	5670	14.35	16.00	No
	802.11ac(VHT20)	100	5500	8.34	11.00	No

		116	5580	15.57	16.00	No
		140	5700	6.50	9.00	No
	802.11ac(VHT40)	102	5510	7.24	10.00	No
		118	5590	15.29	16.00	No
		134	5670	14.39	16.00	No
	802.11ac(VHT80)	106	5530	8.20	11.00	Yes
122		5690	15.41	16.00	Yes	
5.8 (5.725~5.850)	802.11a	149	5745	15.44	16.00	No
		157	5785	15.33	16.00	No
		165	5825	15.32	16.00	No
	802.11n(HT20)	149	5745	15.54	16.00	No
		157	5785	15.63	16.00	No
		165	5825	15.35	16.00	No
	802.11n(HT40)	151	5755	15.51	16.00	No
		159	5795	15.51	16.00	No
	802.11ac(VHT20)	149	5745	15.43	16.00	No
		157	5785	15.63	16.00	No
		165	5825	15.63	16.00	No
	802.11ac(VHT40)	151	5755	15.42	16.00	No
		159	5795	15.41	16.00	No
	802.11ac(VHT80)	155	5775	15.72	16.00	Yes

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

8.4.8 5G WIFI Level 2

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	4.85	6.00	No
		44	5220	4.96	6.00	No
		48	5240	4.98	6.00	No
	802.11n(HT20)	36	5180	4.92	6.00	No
		44	5220	5.16	6.00	No
		48	5240	4.99	6.00	No
	802.11n(HT40)	38	5190	5.17	6.00	No
		46	5230	5.08	6.00	No
	802.11ac(VHT20)	36	5180	5.24	6.00	No
		44	5220	4.88	6.00	No
		48	5240	4.85	6.00	No
	802.11ac(VHT40)	38	5190	4.99	6.00	No
		46	5230	5.16	6.00	No

	802.11ac(VHT80)	42	5210	5.22	6.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	5.13	6.00	No	
		60	5300	5.26	6.00	No	
		64	5320	4.93	6.00	No	
	802.11n(HT20)	52	5260	5.15	6.00	No	
		60	5300	5.03	6.00	No	
		64	5320	4.85	6.00	No	
	802.11n(HT40)	54	5270	4.79	6.00	No	
		62	5310	5.09	6.00	No	
	802.11ac(VHT20)	52	5260	5.12	6.00	No	
		60	5300	5.07	6.00	No	
		64	5320	5.17	6.00	No	
	802.11ac(VHT40)	54	5270	5.21	6.00	No	
		62	5310	5.13	6.00	No	
802.11ac(VHT80)	58	5290	5.14	6.00	Yes		
5.6 (5.47~5.725)	802.11a	100	5500	6.45	8.00	No	
		116	5580	6.49	8.00	No	
		140	5700	6.67	8.00	No	
	802.11n(HT20)	100	5500	6.41	8.00	No	
		116	5580	6.73	8.00	No	
		140	5700	6.58	8.00	No	
	802.11n(HT40)	102	5510	6.36	8.00	No	
		118	5590	6.41	8.00	No	
		134	5670	6.37	8.00	No	
	802.11ac(VHT20)	100	5500	6.38	8.00	No	
		116	5580	6.37	8.00	No	
		140	5700	6.50	8.00	No	
	802.11ac(VHT40)	102	5510	6.52	8.00	No	
		118	5590	6.52	8.00	No	
	802.11ac(VHT80)	106	5530	6.63	8.00	Yes	
		122	5690	6.32	8.00	Yes	
	5.8 (5.725~5.850)	802.11a	149	5745	6.84	8.00	No
			157	5785	6.80	8.00	No
165			5825	7.01	8.00	No	
802.11n(HT20)		149	5745	7.00	8.00	No	
		157	5785	6.83	8.00	No	
		165	5825	6.79	8.00	No	
802.11n(HT40)		151	5755	7.03	8.00	No	
		159	5795	7.24	8.00	No	
802.11ac(VHT20)		149	5745	7.05	8.00	No	

		157	5785	6.85	8.00	No
		165	5825	6.82	8.00	No
	802.11ac(VHT40)	151	5755	6.81	8.00	No
		159	5795	6.95	8.00	No
	802.11ac(VHT80)	155	5775	7.11	8.00	Yes

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

8.4.9 5G WIFI Level 3

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	12.07	15.00	No
		44	5220	16.34	19.00	No
		48	5240	16.28	19.00	No
	802.11n(HT20)	36	5180	11.17	14.00	No
		44	5220	16.42	19.00	No
		48	5240	16.73	19.00	No
	802.11n(HT40)	38	5190	6.39	9.00	No
		46	5230	16.42	19.00	No
	802.11ac(VHT20)	36	5180	11.34	14.00	No
		44	5220	16.52	19.00	No
		48	5240	16.77	19.00	No
	802.11ac(VHT40)	38	5190	6.33	9.00	No
		46	5230	16.45	19.00	No
802.11ac(VHT80)	42	5210	10.22	13.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	16.19	19.00	No
		60	5300	16.64	19.00	No
		64	5320	10.37	13.00	No
	802.11n(HT20)	52	5260	16.49	19.00	No
		60	5300	16.57	19.00	No
		64	5320	8.56	11.00	No
	802.11n(HT40)	54	5270	16.56	19.00	Yes
		62	5310	8.40	11.00	No
	802.11ac(VHT20)	52	5260	16.55	19.00	No
		60	5300	16.51	19.00	No
		64	5320	8.48	11.00	No
	802.11ac(VHT40)	54	5270	16.39	19.00	No
		62	5310	8.29	11.00	No
802.11ac(VHT80)	58	5290	11.32	14.00	No	
5.6	802.11a	100	5500	15.37	18.00	No

(5.47~5.725)		116	5580	16.25	19.00	No
		140	5700	7.21	10.00	No
	802.11n(HT20)	100	5500	9.26	12.00	No
		116	5580	16.24	19.00	No
		140	5700	6.58	9.00	No
	802.11n(HT40)	102	5510	6.36	9.00	No
		118	5590	16.51	19.00	No
		134	5670	14.35	17.00	No
	802.11ac(VHT20)	100	5500	8.34	11.00	No
		116	5580	16.38	19.00	No
		140	5700	6.50	9.00	No
	802.11ac(VHT40)	102	5510	7.24	10.00	No
		118	5590	16.21	19.00	No
		134	5670	14.39	17.00	No
	802.11ac(VHT80)	106	5530	8.20	11.00	Yes
		122	5690	16.32	19.00	Yes
5.8 (5.725~5.850)	802.11a	149	5745	16.23	19.00	No
		157	5785	16.31	19.00	No
		165	5825	16.26	19.00	No
	802.11n(HT20)	149	5745	16.27	19.00	No
		157	5785	16.23	19.00	No
		165	5825	16.51	19.00	No
	802.11n(HT40)	151	5755	16.88	19.00	No
		159	5795	16.81	19.00	No
	802.11ac(VHT20)	149	5745	16.23	19.00	No
		157	5785	16.51	19.00	No
		165	5825	16.58	19.00	No
	802.11ac(VHT40)	151	5755	16.23	19.00	No
		159	5795	16.33	19.00	No
	802.11ac(VHT80)	155	5775	16.25	19.00	Yes

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

8.4.10 5G WIFI Level 4

Band (GHz)	Mode	Channel	Freq. (MHz)	Conducted Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
5.2 (5.15~5.25)	802.11a	36	5180	10.13	11.00	No
		44	5220	10.17	11.00	No
		48	5240	10.11	11.00	No
	802.11n(HT20)	36	5180	10.34	11.00	No

		44	5220	10.18	11.00	No	
		48	5240	10.03	11.00	No	
	802.11n(HT40)	38	5190	6.39	9.00	No	
		46	5230	10.19	11.00	No	
	802.11ac(VHT20)	36	5180	10.00	11.00	No	
		44	5220	10.04	11.00	No	
		48	5240	10.26	11.00	No	
	802.11ac(VHT40)	38	5190	6.33	9.00	No	
		46	5230	10.23	11.00	No	
	802.11ac(VHT80)	42	5210	10.22	11.00	No	
5.3 (5.25~5.35)	802.11a	52	5260	9.99	11.00	No	
		60	5300	10.09	11.00	No	
		64	5320	10.23	11.00	No	
	802.11n(HT20)	52	5260	10.03	11.00	No	
		60	5300	10.07	11.00	No	
		64	5320	8.56	11.00	No	
	802.11n(HT40)	54	5270	10.21	11.00	No	
		62	5310	8.40	11.00	No	
	802.11ac(VHT20)	52	5260	10.35	11.00	No	
		60	5300	10.11	11.00	No	
		64	5320	8.48	11.00	No	
	802.11ac(VHT40)	54	5270	10.17	11.00	No	
		62	5310	8.29	11.00	No	
	802.11ac(VHT80)	58	5290	10.31	11.00	Yes	
	5.6 (5.47~5.725)	802.11a	100	5500	9.77	11.00	No
			116	5580	9.52	11.00	No
140			5700	7.21	10.00	No	
802.11n(HT20)		100	5500	9.26	12.00	No	
		116	5580	9.74	11.00	No	
		140	5700	6.58	9.00	No	
802.11n(HT40)		102	5510	6.36	9.00	No	
		118	5590	9.73	11.00	No	
		134	5670	9.65	11.00	No	
802.11ac(VHT20)		100	5500	8.34	11.00	No	
		116	5580	9.68	11.00	No	
		140	5700	6.50	9.00	No	
802.11ac(VHT40)		102	5510	7.24	10.00	No	
		118	5590	9.51	11.00	No	
		134	5670	9.78	11.00	No	
802.11ac(VHT80)		106	5530	8.20	11.00	Yes	
		122	5690	9.36	11.00	Yes	

5.8 (5.725~5.850)	802.11a	149	5745	10.38	11.00	No
		157	5785	10.38	11.00	No
		165	5825	10.47	11.00	No
	802.11n(HT20)	149	5745	10.07	11.00	No
		157	5785	10.46	11.00	No
		165	5825	10.25	11.00	No
	802.11n(HT40)	151	5755	10.27	11.00	No
		159	5795	10.10	11.00	No
	802.11ac(VHT20)	149	5745	10.19	11.00	No
		157	5785	10.17	11.00	No
		165	5825	10.47	11.00	No
	802.11ac(VHT40)	151	5755	10.24	11.00	No
		159	5795	10.23	11.00	No
	802.11ac(VHT80)	155	5775	10.43	11.00	Yes

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

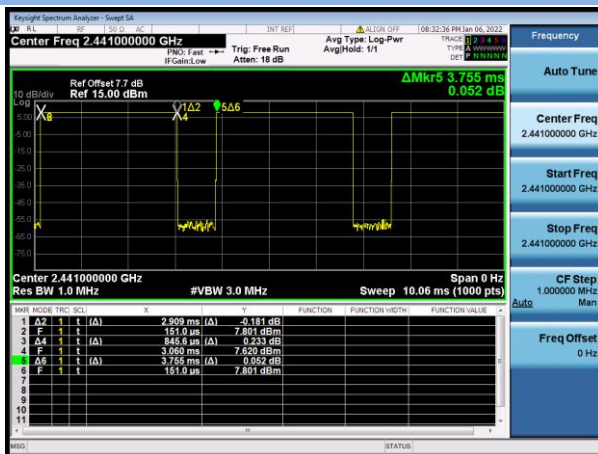
8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Average Power (dBm)	10.95	10.73	11.16	9.76	9.04	9.11
Tune-Up Limit (dBm)	12.50			12.50		
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Average Power (dBm)	9.80	9.02	9.35	/	/	/
Tune-Up Limit (dBm)	12.50			/		
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Average Power (dBm)	2.49	0.51	0.82	2.53	0.59	0.94
Tune-Up Limit (dBm)	5.00			5.00		

Note: The Bluetooth duty cycle is 77.48 % 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



8.6 Power Reduction List

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

WWAN Reduced Power Level Table

Reduced level	Receiver state	Transmitting
		conditions
Level 1	On (Head scenario)	WWAN Use Only
Level 2	On (Head scenario)	WWAN + WLAN 2.4G
Level 3	On (Head scenario)	WWAN + WLAN 5G
Level 4	Off (Body-Worn & Hotspot & Extremity scenario)	WWAN Use Only
Level 5	Off (Body-Worn & Hotspot & Extremity scenario)	WWAN + WLAN 2.4G
Level 6	Off (Body-Worn & Hotspot & Extremity scenario)	WWAN + WLAN 5G

WWAN Power table

Mode	Antenna	WWAN Antenna						
		Full Power	Receiver on			Receiver off		
			Standalone	Head		Body-Worn & Extremity	Body-Worn & Hotspot & Extremity	
				Simultaneous transmission	Standalone		Simultaneous transmission	
						+2.4G WLAN	+5G WLAN	+2.4G WLAN
Off	Level1	Level 2	Level 3	Level 4	Level 5	Level 6		
GSM 850	Ant.1	33.50	28.50	27.50	27.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.1	33.50	28.50	27.50	27.50	33.50	33.50	33.50

GPRS850 2 Tx Slots	Ant.1	31.50	26.50	25.50	25.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	Ant.1	30.00	25.00	24.00	24.00	30.00	30.00	30.00
GPRS850 4 Tx Slots	Ant.1	28.00	23.00	22.00	22.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.1	27.50	22.50	21.50	21.50	27.50	27.50	27.50
EGPRS850 2 Tx Slots	Ant.1	26.00	21.00	20.00	20.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant.1	24.00	19.00	18.00	18.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	Ant.1	22.00	17.00	16.00	16.00	22.00	22.00	22.00
GSM 850	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	Ant.0	33.50	33.50	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	Ant.0	31.50	31.50	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	Ant.0	30.00	30.00	30.00	30.00	30.00	30.00	30.00
GPRS850 4 Tx Slots	Ant.0	28.00	28.00	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	Ant.0	27.50	27.50	27.50	27.50	27.50	27.50	27.50
EGPRS850 2 Tx Slots	Ant.0	26.00	26.00	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	Ant.0	22.00	22.00	22.00	22.00	22.00	22.00	22.00
GSM 1900	Ant.1	30.50	24.50	23.50	23.50	30.50	30.50	30.50
GPRS1900 1 Tx Slot	Ant.1	30.50	24.50	23.50	23.50	30.50	30.50	30.50
GPRS1900 2 Tx Slots	Ant.1	28.50	22.50	21.50	21.50	28.50	28.50	28.50
GPRS1900 3 Tx Slots	Ant.1	26.50	20.50	19.50	19.50	26.50	26.50	26.50
GPRS1900 4 Tx Slots	Ant.1	24.50	18.50	17.50	17.50	24.50	24.50	24.50
EGPRS1900 1 Tx Slot	Ant.1	27.00	21.00	20.00	20.00	27.00	27.00	27.00
EGPRS1900 2 Tx Slots	Ant.1	25.50	19.50	18.50	18.50	25.50	25.50	25.50
EGPRS1900 3 Tx Slots	Ant.1	23.50	17.50	16.50	16.50	23.50	23.50	23.50
EGPRS1900 4 Tx Slots	Ant.1	21.50	15.50	14.50	14.50	21.50	21.50	21.50
GSM 1900	Ant.0	30.50	30.50	30.50	30.50	29.50	28.50	28.50
GPRS1900 1 Tx Slot	Ant.0	30.50	30.50	30.50	30.50	29.50	28.50	28.50
GPRS1900 2 Tx Slots	Ant.0	28.50	28.50	28.50	28.50	27.50	26.50	26.50
GPRS1900 3 Tx Slots	Ant.0	26.50	26.50	26.50	26.50	25.50	24.50	24.50
GPRS1900 4 Tx Slots	Ant.0	24.50	24.50	24.50	24.50	23.50	22.50	22.50
EGPRS1900 1 Tx Slot	Ant.0	27.00	27.00	27.00	27.00	26.00	25.00	25.00

EGPRS1900 2 Tx Slots	Ant.0	25.50	25.50	25.50	25.50	24.50	23.50	23.50
EGPRS1900 3 Tx Slots	Ant.0	23.50	23.50	23.50	23.50	22.50	21.50	21.50
EGPRS1900 4 Tx Slots	Ant.0	21.50	21.50	21.50	21.50	20.50	19.50	19.50
WCDMA Band1 RMC	Ant.1	24.50	17.50	16.50	16.50	23.50	22.50	22.50
HSDPA Subtest-1	Ant.1	23.50	16.50	15.50	15.50	22.50	21.50	21.50
HSDPA Subtest-2	Ant.1	23.50	16.50	15.50	15.50	22.50	21.50	21.50
HSDPA Subtest-3	Ant.1	23.50	16.50	15.50	15.50	22.50	21.50	21.50
HSDPA Subtest-4	Ant.1	23.50	16.50	15.50	15.50	22.50	21.50	21.50
HSUPA Subtest-1	Ant.1	23.00	16.00	15.00	15.00	22.00	21.00	21.00
HSUPA Subtest-2	Ant.1	23.00	16.00	15.00	15.00	22.00	21.00	21.00
HSUPA Subtest-3	Ant.1	23.00	16.00	15.00	15.00	22.00	21.00	21.00
HSUPA Subtest-4	Ant.1	23.00	16.00	15.00	15.00	22.00	21.00	21.00
HSUPA Subtest-5	Ant.1	23.00	16.00	15.00	15.00	22.00	21.00	21.00
WCDMA Band1 RMC	Ant.0	24.50	24.50	24.50	24.50	21.50	20.50	20.50
HSDPA Subtest-1	Ant.0	23.50	23.50	23.50	23.50	20.50	19.50	19.50
HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.50	20.50	19.50	19.50
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	20.50	19.50	19.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	20.50	19.50	19.50
HSUPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
HSUPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
HSUPA Subtest-3	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
HSUPA Subtest-4	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
WCDMA Band4 RMC	Ant.1	24.50	18.50	17.50	17.50	23.50	22.50	22.50
HSDPA Subtest-1	Ant.1	23.50	17.50	16.50	16.50	22.50	21.50	21.50
HSDPA Subtest-2	Ant.1	23.50	17.50	16.50	16.50	22.50	21.50	21.50
HSDPA Subtest-3	Ant.1	23.50	17.50	16.50	16.50	22.50	21.50	21.50
HSDPA Subtest-4	Ant.1	23.50	17.50	16.50	16.50	22.50	21.50	21.50
HSUPA Subtest-1	Ant.1	23.00	17.00	16.00	16.00	22.00	21.00	21.00
HSUPA Subtest-2	Ant.1	23.00	17.00	16.00	16.00	22.00	21.00	21.00
HSUPA Subtest-3	Ant.1	23.00	17.00	16.00	16.00	22.00	21.00	21.00

HSUPA Subtest-4	Ant.1	23.00	17.00	16.00	16.00	22.00	21.00	21.00
HSUPA Subtest-5	Ant.1	23.00	17.00	16.00	16.00	22.00	21.00	21.00
WCDMA Band4 RMC	Ant.0	24.50	24.50	24.50	24.50	21.50	20.50	20.50
HSDPA Subtest-1	Ant.0	23.50	23.50	23.50	23.50	20.50	19.50	19.50
HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.50	20.50	19.50	19.50
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	20.50	19.50	19.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	20.50	19.50	19.50
HSUPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
HSUPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
HSUPA Subtest-3	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
HSUPA Subtest-4	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	23.00	20.00	19.00	19.00
WCDMA Band5 RMC	Ant.1	24.50	22.50	21.50	21.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant.1	23.50	21.50	20.50	20.50	23.50	23.50	23.50
HSDPA Subtest-2	Ant.1	23.50	21.50	20.50	20.50	23.50	23.50	23.50
HSDPA Subtest-3	Ant.1	23.50	21.50	20.50	20.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.1	23.50	21.50	20.50	20.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.1	23.00	21.00	20.00	20.00	23.00	23.00	23.00
HSUPA Subtest-2	Ant.1	23.00	21.00	20.00	20.00	23.00	23.00	23.00
HSUPA Subtest-3	Ant.1	23.00	21.00	20.00	20.00	23.00	23.00	23.00
HSUPA Subtest-4	Ant.1	23.00	21.00	20.00	20.00	23.00	23.00	23.00
HSUPA Subtest-5	Ant.1	23.00	21.00	20.00	20.00	23.00	23.00	23.00
WCDMA Band5 RMC	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
HSDPA Subtest-1	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-2	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-3	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSDPA Subtest-4	Ant.0	23.50	23.50	23.50	23.50	23.50	23.50	23.50
HSUPA Subtest-1	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-2	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-3	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00
HSUPA Subtest-4	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00

HSUPA Subtest-5	Ant.0	23.00	23.00	23.00	23.00	23.00	23.00	23.00
LTE Band2	Ant.1	24.00	17.00	16.00	16.00	23.00	22.00	22.00
LTE Band2	Ant.0	24.00	24.00	24.00	24.00	21.00	20.00	20.00
LTE Band4	Ant.1	24.00	17.50	16.50	16.50	24.00	23.00	23.00
LTE Band4	Ant.0	24.00	24.00	24.00	24.00	21.00	20.00	20.00
LTE Band5	Ant.1	24.50	21.50	20.50	20.50	24.50	24.50	24.50
LTE Band5	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band7	Ant.1	24.00	14.00	13.00	13.00	16.00	15.00	15.00
LTE Band7	Ant.0	24.00	24.00	24.00	24.00	23.00	22.00	22.00
LTE Band12	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band12	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band17	Ant.1	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band17	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band26	Ant.1	24.50	21.50	20.50	20.50	24.50	24.50	24.50
LTE Band26	Ant.0	24.50	24.50	24.50	24.50	24.50	24.50	24.50
LTE Band66	Ant.1	24.00	18.00	17.00	17.00	23.00	19.00	19.00
LTE Band66	Ant.0	24.00	24.00	24.00	24.00	21.00	20.00	20.00
LTE Band38	Ant.1	24.00	16.00	15.00	15.00	20.00	19.00	19.00
LTE Band38	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00
LTE Band41	Ant.1	24.00	16.00	15.00	15.00	20.00	19.00	19.00
LTE Band41	Ant.0	24.00	24.00	24.00	24.00	24.00	24.00	24.00

WLAN Reduced power level table

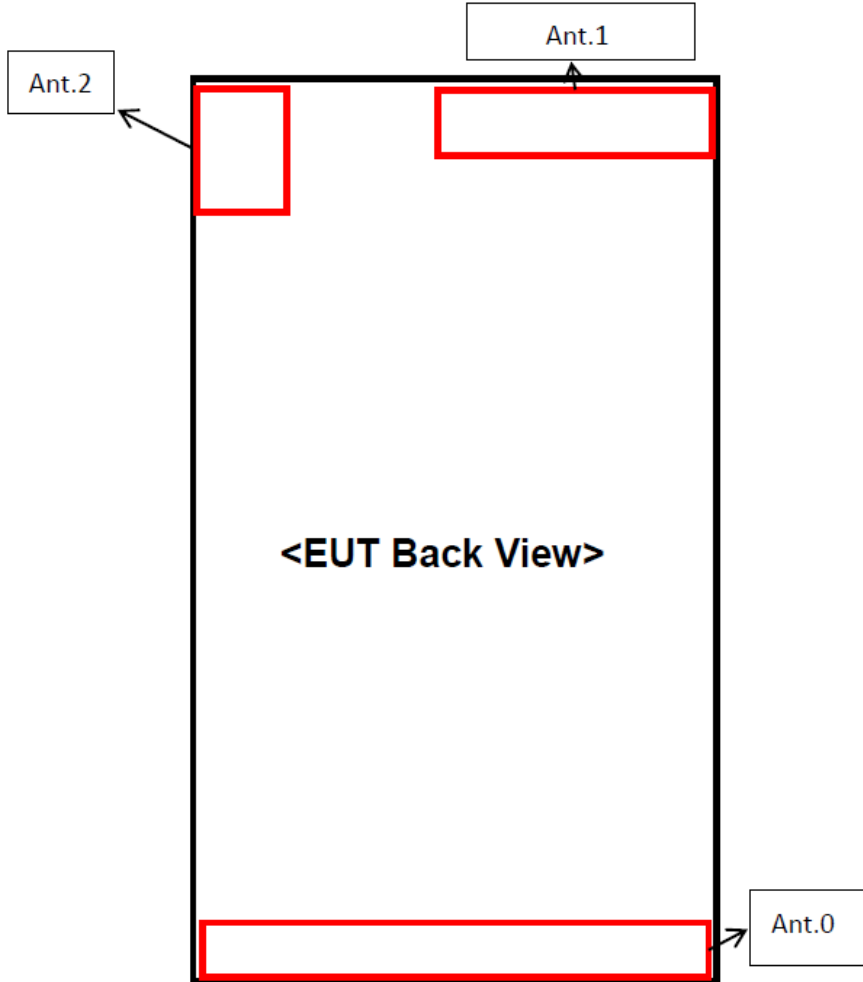
Reduced level	Receiver state	Transmitting
		conditions
Level 1	On (Head scenario)	WLAN Use Only
Level 2	On (Head scenario)	WWAN + WLAN 2.4G/5G
Level 3	Off (Body-Worn & Extremity scenario)	WLAN Use Only
Level 4	Off (Body-Worn & Hotspot & Extremity scenario)	WWAN + WLAN 2.4G/5G

WLAN Reduced power level table

Mode	WLAN Antenna 2					
	Full Power	Receiver on		Receiver off		
		Head		Body-Worn & Extremity	Body-Worn & Extremity	Hotspot
		Standalone	Simultaneous transmission			
			WWAN+2.4G/5G WIFI	WWAN+2.4G/5G WIFI	WWAN+2.4G/5G WIFI	
		Level1	Level2	Level3	Level4	Level4
2.4G WLAN 802.11b	20.00	12.00	10.00	20.00	14.00	14.00
2.4G WLAN 802.11g	19.00	11.00	9.00	19.00	13.00	13.00
2.4G WLAN 802.11n20	19.00	11.00	9.00	19.00	13.00	13.00
2.4G WLAN 802.11n40	18.00	11.00	9.00	18.00	13.00	13.00
5.2G WLAN 802.11a	19.00	15.00	6.00	19.00	11.00	11.00
5.2G WLAN 802.11n20	19.00	15.00	6.00	19.00	11.00	11.00
5.2G WLAN 802.11n40	19.00	15.00	6.00	19.00	11.00	11.00
5.2G WLAN 802.11ac20	19.00	15.00	6.00	19.00	11.00	11.00
5.2G WLAN 802.11ac40	19.00	15.00	6.00	19.00	11.00	11.00
5.2G WLAN 802.11ac80	13.00	13.00	6.00	13.00	11.00	11.00
5.3G WLAN 802.11a	19.00	15.00	6.00	19.00	11.00	/
5.2G WLAN 802.11n20	19.00	15.00	6.00	19.00	11.00	/
5.3G WLAN 802.11n40	19.00	15.00	6.00	19.00	11.00	/
5.3G WLAN 802.11ac20	19.00	15.00	6.00	19.00	11.00	/

5.3G WLAN 802.11ac40	19.00	15.00	6.00	19.00	11.00	/
5.3G WLAN 802.11ac80	14.00	14.00	6.00	14.00	11.00	/
5.6G WLAN 802.11a	19.00	16.00	8.00	19.00	11.00	/
5.6G WLAN 802.11n20	19.00	16.00	8.00	19.00	11.00	/
5.6G WLAN 802.11n40	19.00	16.00	8.00	19.00	11.00	/
5.6G WLAN 802.11ac20	19.00	16.00	8.00	19.00	11.00	/
5.6G WLAN 802.11ac40	19.00	16.00	8.00	19.00	11.00	/
5.6G WLAN 802.11ac80	19.00	16.00	8.00	19.00	11.00	/
5.8G WLAN 802.11a	19.00	16.00	8.00	19.00	11.00	11.00
5.8G WLAN 802.11n20	19.00	16.00	8.00	19.00	11.00	11.00
5.8G WLAN 802.11n40	19.00	16.00	8.00	19.00	11.00	11.00
5.8G WLAN 802.11ac20	19.00	16.00	8.00	19.00	11.00	11.00
5.8G WLAN 802.11ac40	19.00	16.00	8.00	19.00	11.00	11.00
5.8G WLAN 802.11ac80	19.00	16.00	8.00	19.00	11.00	11.00
Bluetooth	12.50	12.50	12.50	12.50	12.50	12.50

9 TEST EXCLUSION CONSIDERATION



Antenna	Description	Support Bands
Antenna 0	2/3/4G TX Antenna	GSM: 850/1900 WCDMA: B2/4/5 LTE: B2/4/5/7/12/17/26/66/38/41
Antenna 1	2/3/4G TX Antenna	GSM: 850/1900 WCDMA: B2/4/5 LTE: B2/4/5/7/12/17/26/66/38/41
Antenna 2	2.4G/5G TX Antenna Bluetooth TX Antenna	2.4G/5G WLAN Bluetooth

Note1: WWAN TX antennas for certain frequency band can switch automatically, but only one antenna can transmit at same time.

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

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

9.1 SAR Test Exclusion Consideration Table

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

ANT 0

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

ANT 1

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

ANT 2

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	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	18.00	63.10	Yes	Yes	Yes	No	Yes	No
WLAN 5.2 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	13.00	19.95	Yes	Yes	Yes	No	Yes	No
WLAN 5.3 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	14.00	25.12	Yes	Yes	Yes	No	Yes	No
WLAN 5.6 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
WLAN 5.8 G	Distance to User			<5mm	<5mm	<5mm	>25mm	<5mm	>25mm
	802.11a	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11n(HT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT20)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT40)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
	802.11ac(VHT80)	19.00	79.43	Yes	Yes	Yes	No	Yes	No
Bluetooth	Distance to User			<5mm	<5mm	<5mm	55mm	<5mm	116mm
	BT	12.50	17.78	Yes	Yes	Yes	No	Yes	No

Note:

- Maximum power is the source-based time-average power and represents the maximum RF output power including tune-up tolerance among production units
- 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)] \cdot [$\sqrt{f(\text{GHz})}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

 - a. $f(\text{GHz})$ 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 $[3.0] / [\sqrt{f(\text{GHz})}] \cdot [(min. test separation distance, mm)] =$ 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) \cdot (f(MHz)/150)] mW, at 100 MHz to 1500 MHz
 - b. [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) \cdot 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 $\leq 1.2\text{W/kg}$, 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 $\leq 1.2 \text{ W/kg}$.
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 $\leq 1.2 \text{ W/kg}$, 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 $\leq 1.2 \text{ W/kg}$, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.

10 TEST RESULT

10.1 GSM 850

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	DATA 3slots	Left Cheek	0	128	824.2	0.18	0.221	23.50	25.00	1.413	0.312	/
	Level1		Left Tilt	0	128	824.2	0.05	0.217	23.50	25.00	1.413	0.307	/
	Level1		Right Cheek	0	128	824.2	0.15	0.437	23.50	25.00	1.413	0.617	1#
	Level1		Right Tilt	0	128	824.2	0.10	0.364	23.50	25.00	1.413	0.514	/
Ant.1	Level2&3	DATA 3slots	Left Cheek	0	128	824.2	0.05	0.195	23.48	24.00	1.127	0.220	/
	Level2&3		Left Tilt	0	128	824.2	0.16	0.182	23.48	24.00	1.127	0.205	/
	Level2&3		Right Cheek	0	128	824.2	0.03	0.384	23.48	24.00	1.127	0.433	/
	Level2&3		Right Tilt	0	128	824.2	-0.02	0.315	23.48	24.00	1.127	0.355	/
Ant.0	Level1&2&3	DATA 3slots	Left Cheek	0	251	848.8	-0.03	0.128	28.27	30.00	1.489	0.191	/
	Level1&2&3		Left Tilt	0	251	848.8	0.11	0.068	28.27	30.00	1.489	0.101	/
	Level1&2&3		Right Cheek	0	251	848.8	0.09	0.099	28.27	30.00	1.489	0.147	/
	Level1&2&3		Right Tilt	0	251	848.8	0.07	0.056	28.27	30.00	1.489	0.083	/
Body-Worn													
Ant.1	Level4&5&6	DATA 3slots	Front Side	15	190	836.6	-0.08	0.064	28.25	30.00	1.496	0.096	/
	Level4&5&6		Back Side	15	190	836.6	0.06	0.133	28.25	30.00	1.496	0.199	/
Ant.0	Level4&5&6	DATA 3slots	Front Side	15	251	848.8	-0.12	0.059	28.27	30.00	1.489	0.088	/
	Level4&5&6		Back Side	15	251	848.8	0.02	0.134	28.27	30.00	1.489	0.200	2#
Hotspot													
Ant.1	Level5&6	DATA 3slots	Front Side	10	190	836.6	0.17	0.182	28.25	30.00	1.496	0.272	/
	Level5&6		Back Side	10	190	836.6	0.04	0.279	28.25	30.00	1.496	0.417	3#
	Level5&6		Left Edge	10	190	836.6	0.10	0.085	28.25	30.00	1.496	0.127	/
	Level5&6		Right Edge	10	190	836.6	0.03	0.077	28.25	30.00	1.496	0.115	/
	Level5&6		Top Edge	10	190	836.6	-0.01	0.259	28.25	30.00	1.496	0.388	/
Ant.0	Level5&6	DATA 3slots	Front Side	10	251	848.8	0.17	0.114	28.27	30.00	1.489	0.170	/
	Level5&6		Back Side	10	251	848.8	-0.03	0.234	28.27	30.00	1.489	0.349	/
	Level5&6		Left Edge	10	251	848.8	0.10	0.070	28.27	30.00	1.489	0.104	/
	Level5&6		Right Edge	10	251	848.8	0.02	0.128	28.27	30.00	1.489	0.191	/
	Level5&6		Bottom Edge	10	251	848.8	0.09	0.126	28.27	30.00	1.489	0.188	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.2 GSM 1900

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1		Left Cheek	0	810	1909.8	0.01	0.229	20.92	22.50	1.439	0.329	/

	Level1	DATA 2slots	Left Tilt	0	810	1909.8	0.08	0.281	20.92	22.50	1.439	0.404	/
	Level1		Right Cheek	0	810	1909.8	0.15	0.352	20.92	22.50	1.439	0.506	/
	Level1		Right Tilt	0	810	1909.8	-0.13	0.451	20.92	22.50	1.439	0.649	4#
Ant.1	Level2&3	DATA 2slots	Left Cheek	0	810	1909.8	0.12	0.204	20.45	21.50	1.274	0.260	/
	Level2&3		Left Tilt	0	810	1909.8	0.10	0.250	20.45	21.50	1.274	0.318	/
	Level2&3		Right Cheek	0	810	1909.8	0.07	0.314	20.45	21.50	1.274	0.400	/
	Level2&3		Right Tilt	0	810	1909.8	0.08	0.402	20.45	21.50	1.274	0.512	/
Ant.0	Level1&2&3	DATA 2slots	Left Cheek	0	810	1909.8	0.19	0.067	27.65	28.50	1.216	0.081	/
	Level1&2&3		Left Tilt	0	810	1909.8	0.19	0.045	27.65	28.50	1.216	0.055	/
	Level1&2&3		Right Cheek	0	810	1909.8	-0.18	0.051	27.65	28.50	1.216	0.062	/
	Level1&2&3		Right Tilt	0	810	1909.8	-0.05	0.006	27.65	28.50	1.216	0.007	/
Body -Worn													
Ant.1	Level4&5&6	DATA 2slots	Front Side	15	810	1909.8	-0.07	0.184	27.44	28.50	1.276	0.235	/
	Level4&5&6		Back Side	15	810	1909.8	0.03	0.250	27.44	28.50	1.276	0.319	5#
Ant.0	Level4	DATA 2slots	Front Side	15	810	1909.8	-0.17	0.109	26.22	27.50	1.343	0.146	/
	Level4		Back Side	15	810	1909.8	0.06	0.207	26.22	27.50	1.343	0.278	/
Ant.0	Level5&6	DATA 2slots	Front Side	15	810	1909.8	-0.17	0.086	25.51	26.50	1.256	0.108	/
	Level5&6		Back Side	15	810	1909.8	0.06	0.154	25.51	26.50	1.256	0.193	/
Hotspot													
Ant.1	Level5&6	DATA 2slots	Front Side	10	810	1909.8	0.16	0.393	27.44	28.50	1.276	0.502	/
	Level5&6		Back Side	10	810	1909.8	0.04	0.553	27.44	28.50	1.276	0.706	/
	Level5&6		Left Edge	10	810	1909.8	-0.06	0.000	27.44	28.50	1.276	0.000	/
	Level5&6		Right Edge	10	810	1909.8	0.03	0.116	27.44	28.50	1.276	0.148	/
	Level5&6		Top Edge	10	810	1909.8	0.17	0.769	27.44	28.50	1.276	0.982	6#
	Level5&6			10	512	1850.2	0.02	0.653	26.76	28.50	1.493	0.975	/
	Level5&6			10	661	1880.0	-0.04	0.630	27.12	28.50	1.374	0.866	/
Ant.0	Level5&6	DATA 2slots	Front Side	10	810	1909.8	0.07	0.188	21.52	22.37	1.216	0.229	/
	Level5&6		Back Side	10	810	1909.8	0.13	0.317	21.52	22.37	1.216	0.386	/
	Level5&6		Left Edge	10	810	1909.8	-0.14	0.087	21.52	22.37	1.216	0.106	/
	Level5&6		Right Edge	10	810	1909.8	-0.07	0.057	21.52	22.37	1.216	0.069	/
	Level5&6		Bottom Edge	10	810	1909.8	-0.10	0.519	21.52	22.37	1.216	0.631	/

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

10.3WCDMA Band 2

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	RMC	Left Cheek	0	9538	1907.6	0.06	0.492	16.28	17.50	1.324	0.652	/
	Level1		Left Tilt	0	9538	1907.6	-0.01	0.580	16.28	17.50	1.324	0.768	/
	Level1		Right Cheek	0	9538	1907.6	-0.19	0.655	16.28	17.50	1.324	0.867	/
	Level1			0	9262	1852.4	-0.10	0.505	15.89	17.50	1.449	0.732	/
	Level1		Right Tilt	0	9400	1880.0	0.17	0.583	16.05	17.50	1.396	0.814	/
	Level1			0	9538	1907.6	-0.03	0.752	16.28	17.50	1.324	0.996	7#
	Level1			0	9262	1852.4	0.17	0.605	15.89	17.50	1.449	0.877	/
	Level1			0	9400	1880.0	0.01	0.710	16.05	17.50	1.396	0.991	/
Ant.1	Level2&3	RMC	Left Cheek	0	9538	1907.6	0.08	0.391	15.00	16.50	1.413	0.552	/
	Level2&3		Left Tilt	0	9538	1907.6	0.12	0.460	15.00	16.50	1.413	0.650	/
	Level2&3		Right Cheek	0	9538	1907.6	0.11	0.520	15.00	16.50	1.413	0.735	/
	Level2&3		Right Tilt	0	9538	1907.6	0.06	0.590	15.00	16.50	1.413	0.833	/
	Level2&3			0	9262	1852.4	-0.10	0.537	14.79	16.50	1.483	0.796	/
	Level2&3			0	9400	1880.0	0.11	0.546	14.70	16.50	1.514	0.826	/
Ant.0	Level1&2&3	RMC	Left Cheek	0	9400	1880.0	0.11	0.086	23.65	24.50	1.216	0.105	/
	Level1&2&3		Left Tilt	0	9400	1880.0	-0.12	0.058	23.65	24.50	1.216	0.071	/
	Level1&2&3		Right Cheek	0	9400	1880.0	0.02	0.070	23.65	24.50	1.216	0.085	/
	Level1&2&3		Right Tilt	0	9400	1880.0	0.05	0.052	23.65	24.50	1.216	0.063	/
Body -Worn													
Ant.1	Level4	RMC	Front Side	15	9400	1880.0	0.07	0.221	22.12	23.50	1.374	0.304	/
	Level4		Back Side	15	9400	1880.0	-0.14	0.309	22.12	23.50	1.374	0.425	8#
Ant.1	Level5&6	RMC	Front Side	15	9400	1880.0	0.05	0.173	21.10	22.50	1.380	0.239	/
	Level5&6		Back Side	15	9400	1880.0	-0.12	0.241	21.10	22.50	1.380	0.333	/
Ant.0	Level4	RMC	Front Side	15	9262	1852.4	-0.08	0.052	20.04	21.50	1.400	0.073	/
	Level4		Back Side	15	9262	1852.4	0.06	0.090	20.04	21.50	1.400	0.126	/
Ant.0	Level5&6	RMC	Front Side	15	9262	1852.4	0.03	0.043	20.04	21.50	1.400	0.060	/
	Level5&6		Back Side	15	9262	1852.4	0.10	0.075	20.04	21.50	1.400	0.105	/
Hotspot													
Ant.1	Level5&6	RMC	Front Side	10	9400	1880.0	0.13	0.391	21.10	22.50	1.380	0.540	/
	Level5&6		Back Side	10	9400	1880.0	-0.08	0.563	21.10	22.50	1.380	0.777	/
	Level5&6		Left Edge	10	9400	1880.0	-0.05	0.052	21.10	22.50	1.380	0.072	/
	Level5&6		Right Edge	10	9400	1880.0	0.11	0.131	21.10	22.50	1.380	0.181	/
	Level5&6		Top Edge	10	9400	1880.0	-0.15	0.675	21.10	22.50	1.380	0.932	/
	Level5&6			10	9262	1852.4	0.02	0.627	21.04	22.50	1.400	0.878	/
	Level5&6			10	9538	1907.6	-0.12	0.674	21.06	22.50	1.393	0.939	9#
Ant.0	Level5&6	RMC	Front Side	10	9262	1852.4	0.15	0.116	18.99	20.50	1.416	0.164	/
	Level5&6		Back Side	10	9262	1852.4	0.01	0.220	18.99	20.50	1.416	0.311	/
	Level5&6		Left Edge	10	9262	1852.4	-0.16	0.054	18.99	20.50	1.416	0.076	/
	Level5&6		Right Edge	10	9262	1852.4	0.18	0.032	18.99	20.50	1.416	0.045	/
	Level5&6		Bottom Edge	10	9262	1852.4	0.08	0.317	18.99	20.50	1.416	0.449	/

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

10.4WCDMA Band 4

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	RMC	Left Cheek	0	1412	1732.4	0.08	0.595	17.48	18.50	1.265	0.753	/
	Level1		Left Tilt	0	1412	1732.4	-0.16	0.713	17.48	18.50	1.265	0.902	/
	Level1			0	1312	1712.4	0.00	0.698	17.39	18.50	1.291	0.901	/
	Level1			0	1513	1752.6	0.08	0.730	17.45	18.50	1.274	0.930	/
	Level1		Right Cheek	0	1412	1732.4	-0.18	0.806	17.48	18.50	1.265	1.019	/
	Level1			0	1312	1712.4	0.02	0.786	17.39	18.50	1.291	1.015	/
	Level1			0	1513	1752.6	-0.02	0.825	17.45	18.50	1.274	1.051	/
	Level1		Right Tilt	0	1412	1732.4	0.07	0.892	17.48	18.50	1.265	1.128	/
	Level1			0	1312	1712.4	0.06	0.878	17.39	18.50	1.291	1.134	/
	Level1			0	1513	1752.6	-0.03	0.917	17.45	18.50	1.274	1.168	10#
Ant.1	Level2&3	RMC	Left Cheek	0	1412	1732.4	0.15	0.472	16.69	17.50	1.205	0.569	/
	Level2&3		Left Tilt	0	1412	1732.4	0.03	0.566	16.69	17.50	1.205	0.682	/
	Level2&3		Right Cheek	0	1412	1732.4	-0.19	0.640	16.69	17.50	1.205	0.771	/
	Level2&3		Right Tilt	0	1412	1732.4	0.18	0.708	16.69	17.50	1.205	0.853	/
	Level2&3			0	1312	1712.4	0.04	0.697	16.51	17.50	1.256	0.875	/
	Level2&3			0	1513	1752.6	0.06	0.728	16.52	17.50	1.253	0.912	/
Ant.0	Level1&2&3	RMC	Left Cheek	0	1513	1752.6	0.11	0.162	23.63	24.50	1.222	0.198	/
	Level1&2&3		Left Tilt	0	1513	1752.6	-0.07	0.048	23.63	24.50	1.222	0.059	/
	Level1&2&3		Right Cheek	0	1513	1752.6	0.03	0.090	23.63	24.50	1.222	0.110	/
	Level1&2&3		Right Tilt	0	1513	1752.6	-0.17	0.055	23.63	24.50	1.222	0.067	/
Body -worn													
Ant.1	Level4	RMC	Front Side	15	1513	1752.6	-0.04	0.045	22.08	23.50	1.387	0.062	/
	Level4		Back Side	15	1513	1752.6	0.16	0.065	22.04	23.50	1.400	0.091	/
Ant.1	Level5&6	RMC	Front Side	15	1412	1732.4	0.12	0.034	21.12	22.50	1.374	0.047	/
	Level5&6		Back Side	15	1412	1732.4	-0.09	0.052	21.12	22.50	1.374	0.071	/
Ant.0	Level4	RMC	Front Side	15	1312	1712.4	0.04	0.127	19.98	21.50	1.419	0.180	/
	Level4		Back Side	15	1312	1712.4	-0.06	0.193	19.98	21.50	1.419	0.274	11#
Ant.0	Level5&6	RMC	Front Side	15	1513	1752.6	0.04	0.097	18.99	20.50	1.416	0.137	/
	Level5&6		Back Side	15	1513	1752.6	-0.14	0.150	18.99	20.50	1.416	0.212	/
Hotspot													
Ant.1	Level5&6	RMC	Front Side	10	1513	1752.6	0.17	0.312	21.12	22.50	1.374	0.429	/
	Level5&6		Back Side	10	1513	1752.6	-0.05	0.465	21.12	22.50	1.374	0.639	/
	Level5&6		Left Edge	10	1513	1752.6	0.11	0.061	21.12	22.50	1.374	0.084	/
	Level5&6		Right Edge	10	1513	1752.6	0.07	0.114	21.12	22.50	1.374	0.157	/
	Level5&6		Top Edge	10	1513	1752.6	-0.07	0.577	21.12	22.50	1.374	0.793	12#
Ant.0	Level5&6	RMC	Front Side	10	1513	1752.6	0.08	0.189	18.99	20.50	1.416	0.268	/
	Level5&6		Back Side	10	1513	1752.6	0.07	0.301	18.99	20.50	1.416	0.426	/

	Level5&6		Left Edge	10	1513	1752.6	-0.17	0.079	18.99	20.50	1.416	0.112	/
	Level5&6		Right Edge	10	1513	1752.6	-0.02	0.066	18.99	20.50	1.416	0.093	/
	Level5&6		Bottom Edge	10	1513	1752.6	-0.12	0.421	18.99	20.50	1.416	0.596	/

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

10.5WCDMA Band 5

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	Level1	RMC	Left Cheek	0	4182	836.4	-0.04	0.335	20.87	22.50	1.455	0.488	/
	Level1		Left Tilt	0	4182	836.4	-0.01	0.336	20.87	22.50	1.455	0.489	/
	Level1		Right Cheek	0	4182	836.4	0.10	0.547	20.87	22.50	1.455	0.796	13#
	Level1		Right Tilt	0	4182	836.4	-0.04	0.392	20.87	22.50	1.455	0.571	/
Ant.1	Level2&3	RMC	Left Cheek	0	4182	836.4	0.07	0.266	19.87	21.50	1.455	0.387	/
	Level2&3		Left Tilt	0	4182	836.4	-0.07	0.267	19.87	21.50	1.455	0.389	/
	Level2&3		Right Cheek	0	4182	836.4	0.17	0.432	19.87	21.50	1.455	0.629	/
	Level2&3		Right Tilt	0	4182	836.4	0.19	0.311	19.87	21.50	1.455	0.453	/
Ant.0	Level1&2&3	RMC	Left Cheek	0	4233	846.6	0.11	0.171	22.92	24.50	1.439	0.246	/
	Level1&2&3		Left Tilt	0	4233	846.6	-0.11	0.085	22.92	24.50	1.439	0.122	/
	Level1&2&3		Right Cheek	0	4233	846.6	-0.08	0.126	22.92	24.50	1.439	0.181	/
	Level1&2&3		Right Tilt	0	4233	846.6	0.16	0.067	22.92	24.50	1.439	0.096	/
Body -Worn													
Ant.1	Level4&5&6	RMC	Front Side	15	4132	826.4	-0.14	0.042	22.70	24.50	1.514	0.064	/
	Level4&5&6		Back Side	15	4132	826.4	0.01	0.052	22.70	24.50	1.514	0.079	/
Ant.0	Level4&5&6	RMC	Front Side	15	4233	846.6	0.15	0.068	23.11	24.50	1.377	0.094	/
	Level4&5&6		Back Side	15	4233	846.6	-0.10	0.103	23.11	24.50	1.377	0.142	14#
Hotspot													
Ant.1	Level5&6	RMC	Front Side	10	4182	4132	-0.07	0.119	22.70	24.50	1.514	0.180	/
	Level5&6		Back Side	10	4182	4132	0.03	0.189	22.70	24.50	1.514	0.286	/
	Level5&6		Left Edge	10	4182	4132	-0.12	0.049	22.70	24.50	1.514	0.074	/
	Level5&6		Right Edge	10	4182	4132	-0.18	0.051	22.70	24.50	1.514	0.077	/
	Level5&6		Top Edge	10	4182	4132	0.14	0.207	22.70	24.50	1.514	0.313	/
Ant.0	Level5&6	RMC	Front Side	10	4233	846.6	0.18	0.131	23.11	24.50	1.377	0.180	/
	Level5&6		Back Side	10	4233	846.6	-0.01	0.238	23.11	24.50	1.377	0.328	15#
	Level5&6		Left Edge	10	4233	846.6	-0.13	0.088	23.11	24.50	1.377	0.121	/
	Level5&6		Right Edge	10	4233	846.6	0.05	0.159	23.11	24.50	1.377	0.219	/
	Level5&6		Bottom Edge	10	4233	846.6	0.05	0.148	23.11	24.50	1.377	0.204	/

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

10.6LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	18900	1880	1	Low	-0.10	0.438	16.85	17.00	1.035	0.453	/
	Level1			0	18900	1880	50	Low	0.14	0.344	15.75	16.00	1.059	0.364	/
	Level1		Left Tilt	0	18900	1880	1	Low	-0.19	0.541	16.85	17.00	1.035	0.560	/
	Level1			0	18900	1880	50	Low	-0.08	0.431	15.75	16.00	1.059	0.457	/
	Level1		Right Cheek	0	18900	1880	1	Low	-0.13	0.579	16.85	17.00	1.035	0.599	/
	Level1			0	18900	1880	50	Low	-0.19	0.468	15.75	16.00	1.059	0.496	/
	Level1		Right Tilt	0	18900	1880	1	Low	0.07	0.771	16.85	17.00	1.035	0.798	16#
	Level1			0	18900	1880	50	Low	0.03	0.653	15.75	16.00	1.059	0.692	/
Ant.1	Level2&3	QPSK	Left Cheek	0	18900	1880	1	Low	-0.07	0.348	15.35	16.00	1.161	0.404	/
	Level2&3			0	18900	1880	50	High	-0.01	0.271	14.42	15.00	1.143	0.310	/
	Level2&3		Left Tilt	0	18900	1880	1	Low	-0.09	0.430	15.35	16.00	1.161	0.499	/
	Level2&3			0	18900	1880	50	High	0.18	0.340	14.42	15.00	1.143	0.389	/
	Level2&3		Right Cheek	0	18900	1880	1	Low	0.11	0.560	15.35	16.00	1.161	0.650	/
	Level2&3			0	18900	1880	50	High	0.15	0.475	14.42	15.00	1.143	0.543	/
	Level2&3		Right Tilt	0	18900	1880	1	Low	-0.15	0.530	15.35	16.00	1.161	0.616	/
	Level2&3			0	18900	1880	50	High	-0.19	0.434	14.42	15.00	1.143	0.496	/
Ant.0	Level1&2&3	QPSK	Left Cheek	0	18900	1880	1	High	-0.01	0.108	23.21	24.00	1.199	0.130	/
	Level1&2&3			0	18900	1880	50	High	-0.19	0.083	22.21	23.00	1.199	0.100	/
	Level1&2&3		Left Tilt	0	18900	1880	1	High	0.07	0.065	23.21	24.00	1.199	0.078	/
	Level1&2&3			0	18900	1880	50	High	-0.17	0.053	22.21	23.00	1.199	0.064	/
	Level1&2&3		Right Cheek	0	18900	1880	1	High	0.19	0.075	23.21	24.00	1.199	0.090	/
	Level1&2&3			0	18900	1880	50	High	0.06	0.060	22.21	23.00	1.199	0.072	/
	Level1&2&3		Right Tilt	0	18900	1880	1	High	-0.04	0.060	23.21	24.00	1.199	0.072	/
	Level1&2&3			0	18900	1880	50	High	0.16	0.043	22.21	23.00	1.199	0.052	/
Body-worn															
Ant.1	Level4	QPSK	Front Side	15	18900	1880	1	Low	0.18	0.251	22.36	23.00	1.159	0.291	/
	Level4			15	18900	1880	50	Mid	0.05	0.189	21.24	22.00	1.191	0.225	/
	Level4		Back Side	15	18900	1880	1	Low	-0.18	0.308	22.36	23.00	1.159	0.357	17#
	Level4			15	18900	1880	50	Mid	0.17	0.244	21.24	22.00	1.191	0.291	/
Ant.1	Level5&6	QPSK	Front Side	15	18900	1880	1	Low	0.19	0.200	21.21	22.00	1.199	0.240	/
	Level5&6			15	18900	1880	50	Low	0.13	0.153	20.25	21.00	1.189	0.182	/
	Level5&6		Back Side	15	18900	1880	1	Low	-0.07	0.246	21.21	22.00	1.199	0.295	/
	Level5&6			15	18900	1880	50	Low	0.08	0.201	20.25	21.00	1.189	0.239	/
Ant.0	Level4	QPSK	Front Side	15	18700	1860	1	Low	0.00	0.086	20.22	21.00	1.197	0.103	/
	Level4			15	19100	1900	50	Low	-0.16	0.070	19.32	20.00	1.169	0.082	/
	Level4		Back Side	15	18700	1860	1	Low	-0.08	0.145	20.22	21.00	1.197	0.174	/
	Level4			15	19100	1900	50	Low	0.19	0.115	19.32	20.00	1.169	0.134	/
Ant.0	Level5&6	QPSK	Front Side	15	19100	1900	1	Mid	0.00	0.078	19.67	20.00	1.079	0.084	/
	Level5&6			15	19100	1900	50	Mid	-0.16	0.058	18.95	19.00	1.012	0.059	/
	Level5&6		Back Side	15	19100	1900	1	Mid	-0.08	0.143	20.22	20.00	0.951	0.136	/

	Level5&6			15	19100	1900	50	Mid	0.19	0.105	19.32	19.00	0.929	0.098	/
Hotspot															
Ant.1	Level5&6	QPSK	Front Side	10	18900	1880	1	Low	0.11	0.376	21.21	22.00	1.199	0.451	/
	Level5&6			10	18900	1880	50	Low	-0.15	0.302	20.25	21.00	1.189	0.359	/
	Level5&6		Back Side	10	18900	1880	1	Low	0.05	0.562	21.21	22.00	1.199	0.674	/
	Level5&6			10	18900	1880	50	Low	0.11	0.439	20.25	21.00	1.189	0.522	/
	Level5&6		Left Edge	10	18900	1880	1	Low	0.03	0.050	21.21	22.00	1.199	0.060	/
	Level5&6			10	18900	1880	50	Low	-0.02	0.041	20.25	21.00	1.189	0.049	/
	Level5&6		Right Edge	10	18900	1880	1	Low	0.19	0.127	21.21	22.00	1.199	0.152	/
	Level5&6			10	18900	1880	50	Low	0.14	0.102	20.25	21.00	1.189	0.121	/
	Level5&6		Top Edge	10	18900	1880	1	Low	-0.09	0.661	21.21	22.00	1.199	0.793	18#
	Level5&6			10	18900	1880	50	Low	-0.10	0.561	20.25	21.00	1.189	0.667	/
Ant.0	Level5&6	QPSK	Front Side	10	19100	1900	1	Mid	0.18	0.115	20.22	20.00	0.951	0.109	/
	Level5&6			10	19100	1900	50	Mid	0.00	0.088	19.32	19.00	0.929	0.082	/
	Level5&6		Back Side	10	19100	1900	1	Mid	-0.17	0.219	20.22	20.00	0.951	0.208	/
	Level5&6			10	19100	1900	50	Mid	0.02	0.173	19.32	19.00	0.929	0.161	/
	Level5&6		Left Edge	10	19100	1900	1	Mid	-0.03	0.057	20.22	20.00	0.951	0.054	/
	Level5&6			10	19100	1900	50	Mid	-0.17	0.044	19.32	19.00	0.929	0.041	/
	Level5&6		Right Edge	10	19100	1900	1	Mid	-0.01	0.034	20.22	20.00	0.951	0.032	/
	Level5&6			10	19100	1900	50	Mid	-0.06	0.025	19.32	19.00	0.929	0.023	/
	Level5&6		Bottom Edge	10	19100	1900	1	Mid	0.03	0.332	20.22	20.00	0.951	0.316	/
	Level5&6			10	19100	1900	50	Mid	-0.16	0.263	19.32	19.00	0.929	0.244	/

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

10.7LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	20175	1732.5	1	High	0.10	0.545	17.25	17.50	1.059	0.577	/
	Level1			0	20175	1732.5	50	High	0.04	0.434	16.15	16.50	1.084	0.470	/
	Level1		Left Tilt	0	20175	1732.5	1	High	-0.14	0.649	17.25	17.50	1.059	0.687	/
	Level1			0	20175	1732.5	50	High	0.03	0.535	16.15	16.50	1.084	0.580	/
	Level1		Right Cheek	0	20175	1732.5	1	High	0.00	0.721	17.25	17.50	1.059	0.764	/
	Level1			0	20175	1732.5	50	High	0.02	0.584	16.15	16.50	1.084	0.633	/
	Level1		Right Tilt	0	20175	1732.5	1	High	0.12	0.829	17.25	17.50	1.059	0.878	/
	Level1			0	20050	1720	1	High	-0.16	0.832	16.80	17.50	1.175	0.978	19#
	Level1			0	20300	1745	1	High	-0.05	0.824	16.78	17.50	1.180	0.973	/
	Level1			0	20175	1732.5	50	High	0.10	0.682	16.15	16.50	1.084	0.739	/
	Level1			0	20050	1720	50	High	0.03	0.669	15.58	16.50	1.236	0.827	/
	Level1			0	20300	1745	50	High	-0.08	0.685	15.56	16.50	1.242	0.851	/
	Level1		0	20175	1732.5	100	High	0.14	0.692	15.87	16.50	1.156	0.800	/	
	Ant.1		Level2&3	QPSK	Left Cheek	0	20300	1745	1	HIGH	0.01	0.433	15.98	16.50	1.127
Level2&3		0	20175			1732.5	50	HIGH	0.00	0.345	15.14	15.50	1.086	0.375	/

	Level2&3		Left Tilt	0	20300	1745	1	HIGH	0.03	0.516	15.98	16.50	1.127	0.582	/
	Level2&3			0	20175	1732.5	50	HIGH	-0.06	0.425	15.14	15.50	1.086	0.462	/
	Level2&3		Right Cheek	0	20300	1745	1	HIGH	0.02	0.573	15.98	16.50	1.127	0.646	/
	Level2&3			0	20175	1732.5	50	HIGH	-0.03	0.464	15.14	15.50	1.086	0.504	/
	Level2&3		Right Tilt	0	20300	1745	1	HIGH	0.15	0.661	15.98	16.50	1.127	0.745	/
	Level2&3			0	20175	1732.5	50	HIGH	-0.10	0.542	15.14	15.50	1.086	0.589	/
Ant.0	Level1&2&3	QPSK	Left Cheek	0	20175	1732.5	1	HIGH	-0.15	0.163	23.86	24.00	1.033	0.168	/
	Level1&2&3			0	20175	1732.5	50	HIGH	-0.19	0.136	22.68	23.00	1.076	0.146	/
	Level1&2&3		Left Tilt	0	20175	1732.5	1	HIGH	0.14	0.048	23.86	24.00	1.033	0.050	/
	Level1&2&3			0	20175	1732.5	50	HIGH	-0.08	0.042	22.68	23.00	1.076	0.045	/
	Level1&2&3		Right Cheek	0	20175	1732.5	1	HIGH	-0.12	0.083	23.86	24.00	1.033	0.086	/
	Level1&2&3			0	20175	1732.5	50	HIGH	0.17	0.071	22.68	23.00	1.076	0.076	/
	Level1&2&3		Right Tilt	0	20175	1732.5	1	HIGH	-0.15	0.059	23.86	24.00	1.033	0.061	/
	Level1&2&3			0	20175	1732.5	50	HIGH	-0.17	0.047	22.68	23.00	1.076	0.051	/
Body-worn															
Ant.1	Level4	QPSK	Front Side	15	20175	1732.5	1	Low	-0.13	0.257	23.27	24.00	1.183	0.304	/
	Level4			15	20175	1732.5	50	Mid	-0.18	0.213	22.18	23.00	1.208	0.257	/
	Level4		Back Side	15	20175	1732.5	1	Low	-0.01	0.353	23.27	24.00	1.183	0.418	20#
	Level4			15	20175	1732.5	50	Mid	0.16	0.295	22.18	23.00	1.208	0.356	/
Ant.1	Level5&6	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.16	0.195	22.27	23.00	1.183	0.231	/
	Level5&6			15	20050	1720	50	Low	-0.02	0.170	21.12	22.00	1.225	0.208	/
	Level5&6		Back Side	15	20175	1732.5	1	Mid	0.12	0.275	22.27	23.00	1.183	0.325	/
	Level5&6			15	20050	1720	50	Low	0.18	0.230	21.12	22.00	1.225	0.282	/
Ant.0	Level4	QPSK	Front Side	15	20300	1745	1	Mid	-0.18	0.083	20.18	21.00	1.208	0.100	/
	Level4			15	20175	1732.5	50	High	0.15	0.069	19.57	20.00	1.104	0.076	/
	Level4		Back Side	15	20300	1745	1	Mid	-0.19	0.126	20.18	21.00	1.208	0.152	/
	Level4			15	20175	1732.5	50	High	-0.06	0.102	19.57	20.00	1.104	0.113	/
Ant.0	Level5&6	QPSK	Front Side	15	20175	1732.5	1	High	0.06	0.062	19.95	20.00	1.012	0.063	/
	Level5&6			15	20175	1732.5	50	Low	0.06	0.053	18.69	19.00	1.074	0.057	/
	Level5&6		Back Side	15	20175	1732.5	1	High	0.07	0.095	19.95	20.00	1.012	0.096	/
	Level5&6			15	20175	1732.5	50	Low	-0.03	0.078	18.69	19.00	1.074	0.084	/
Hotspot															
Ant.1	Level5&6	QPSK	Front Side	10	20175	1732.5	1	Mid	-0.14	0.455	22.27	23.00	1.183	0.538	/
	Level5&6			10	20050	1720	50	Low	-0.03	0.353	21.12	22.00	1.225	0.432	/
	Level5&6		Back Side	10	20175	1732.5	1	Mid	0.04	0.641	22.27	23.00	1.183	0.758	/
	Level5&6			10	20050	1720	50	Low	-0.15	0.514	21.12	22.00	1.225	0.629	/
	Level5&6		Left Edge	10	20175	1732.5	1	Mid	-0.19	0.083	22.27	23.00	1.183	0.098	/
	Level5&6			10	20050	1720	50	Low	0.13	0.065	21.12	22.00	1.225	0.080	/
	Level5&6		Right Edge	10	20175	1732.5	1	Mid	0.09	0.149	22.27	23.00	1.183	0.176	/
	Level5&6			10	20050	1720	50	Low	0.01	0.123	21.12	22.00	1.225	0.151	/
	Level5&6		Top Edge	10	20175	1732.5	1	Mid	0.14	0.715	22.27	23.00	1.183	0.846	21#
	Level5&6			10	20050	1720	1	Low	0.04	0.678	22.21	23.00	1.199	0.813	/
	Level5&6			10	20300	1745	1	Low	-0.05	0.680	22.06	23.00	1.242	0.844	/
	Level5&6			10	20050	1720	50	Low	-0.02	0.590	21.12	22.00	1.225	0.723	/
	Level5&6			10	20300	1745	100	Low	0.09	0.574	21.09	22.00	1.233	0.708	/

Ant.0	Level5&6	QPSK	Front Side	10	20175	1732.5	1	High	0.04	0.181	19.95	20.00	1.012	0.183	/
	Level5&6			10	20175	1732.5	50	Low	0.05	0.152	18.69	19.00	1.074	0.163	/
	Level5&6		Back Side	10	20175	1732.5	1	High	-0.10	0.277	19.95	20.00	1.012	0.280	/
	Level5&6			10	20175	1732.5	50	Low	0.19	0.229	18.69	19.00	1.074	0.246	/
	Level5&6		Left Edge	10	20175	1732.5	1	High	-0.11	0.069	19.95	20.00	1.012	0.070	/
	Level5&6			10	20175	1732.5	50	Low	-0.18	0.058	18.69	19.00	1.074	0.062	/
	Level5&6		Right Edge	10	20175	1732.5	1	High	0.08	0.060	19.95	20.00	1.012	0.061	/
	Level5&6			10	20175	1732.5	50	Low	-0.13	0.049	18.69	19.00	1.074	0.053	/
	Level5&6		Bottom Edge	10	20175	1732.5	1	High	0.08	0.393	19.95	20.00	1.012	0.398	/
	Level5&6			10	20175	1732.5	50	Low	-0.08	0.321	18.69	19.00	1.074	0.345	/

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

10.8LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	20525	836.5	1	High	-0.18	0.202	20.44	21.50	1.276	0.258	/
	Level1			0	20525	836.5	25	Mid	-0.14	0.171	19.51	20.50	1.256	0.215	/
	Level1		Left Tilt	0	20525	836.5	1	High	-0.12	0.274	20.44	21.50	1.276	0.350	/
	Level1			0	20525	836.5	25	Mid	-0.11	0.224	19.51	20.50	1.256	0.281	/
	Level1		Right Cheek	0	20525	836.5	1	High	0.07	0.306	20.44	21.50	1.276	0.391	22#
	Level1			0	20525	836.5	50	Mid	0.08	0.253	19.51	20.50	1.256	0.318	/
	Level1		Right Tilt	0	20525	836.5	1	High	0.03	0.268	20.44	21.50	1.276	0.342	/
	Level1			0	20525	836.5	25	Mid	0.11	0.232	19.51	20.50	1.256	0.291	/
Ant.1	Level2&3	QPSK	Left Cheek	0	20450	829	1	Low	-0.04	0.168	19.19	20.50	1.352	0.227	/
	Level2&3			0	20450	829	25	Low	0.08	0.137	18.54	19.50	1.247	0.171	/
	Level2&3		Left Tilt	0	20450	829	1	Low	-0.14	0.219	19.19	20.50	1.352	0.296	/
	Level2&3			0	20450	829	25	Low	-0.08	0.174	18.54	19.50	1.247	0.217	/
	Level2&3		Right Cheek	0	20450	829	1	Low	-0.19	0.240	19.19	20.50	1.352	0.324	/
	Level2&3			0	20450	829	50	Low	-0.17	0.190	18.54	19.50	1.247	0.237	/
	Level2&3		Right Tilt	0	20450	829	1	Low	0.05	0.213	19.19	20.50	1.352	0.288	/
	Level2&3			0	20450	829	25	Low	0.02	0.176	18.54	19.50	1.247	0.220	/
Ant.0	Level1&2&3	QPSK	Left Cheek	0	20525	836.5	1	Mid	0.04	0.139	23.39	24.50	1.291	0.179	/
	Level1&2&3			0	20600	844	25	High	-0.19	0.122	22.40	23.50	1.288	0.157	/
	Level1&2&3		Left Tilt	0	20525	836.5	1	Mid	0.14	0.087	23.39	24.50	1.291	0.112	/
	Level1&2&3			0	20600	844	25	High	-0.18	0.074	22.40	23.50	1.288	0.095	/
	Level1&2&3		Right Cheek	0	20525	836.5	1	Mid	0.07	0.137	23.39	24.50	1.291	0.177	/
	Level1&2&3			0	20600	844	25	High	0.08	0.108	22.40	23.50	1.288	0.139	/
	Level1&2&3		Right Tilt	0	20525	836.5	1	Mid	-0.08	0.078	23.39	24.50	1.291	0.101	/
	Level1&2&3			0	20600	844	25	High	-0.12	0.063	22.40	23.50	1.288	0.081	/
Body-worn															
Ant.1	Level4&5&6	QPSK	Front Side	15	20525	836.5	1	Mid	0.19	0.050	23.41	24.50	1.285	0.064	/
	Level4&5&6			15	20450	829	25	Mid	-0.16	0.042	22.46	23.50	1.271	0.053	/

	Level4&5&6		Back Side	15	20525	836.5	1	Mid	0.19	0.071	23.41	24.50	1.285	0.091	/
	Level4&5&6			15	20450	829	25	Mid	-0.19	0.059	22.46	23.50	1.271	0.075	/
Ant.0	Level4&5&6	QPSK	Front Side	15	20525	836.5	1	Mid	-0.09	0.095	23.39	24.50	1.291	0.123	/
	Level4&5&6			15	20600	844	25	High	-0.18	0.082	22.40	23.50	1.288	0.106	/
	Level4&5&6		Back Side	15	20525	836.5	1	Mid	0.07	0.140	23.39	24.50	1.291	0.181	23#
	Level4&5&6			15	20600	844	25	High	-0.17	0.116	22.40	23.50	1.288	0.149	/
Hotspot															
Ant.1	Level5&6	QPSK	Front Side	10	20525	836.5	1	Mid	-0.12	0.105	23.41	24.50	1.285	0.135	/
	Level5&6			10	20450	829	25	Mid	0.14	0.088	22.46	23.50	1.271	0.112	/
	Level5&6		Back Side	10	20525	836.5	1	Mid	0.13	0.166	23.41	24.50	1.285	0.213	/
	Level5&6			10	20450	829	25	Mid	-0.02	0.136	22.46	23.50	1.271	0.173	/
	Level5&6		Left Edge	10	20525	836.5	1	Mid	-0.13	0.045	23.41	24.50	1.285	0.058	/
	Level5&6			10	20450	829	25	Mid	0.12	0.000	22.46	23.50	1.271	0.000	/
	Level5&6		Right Edge	10	20525	836.5	1	Mid	-0.07	0.044	23.41	24.50	1.285	0.057	/
	Level5&6			10	20450	829	25	Mid	-0.19	0.036	22.46	23.50	1.271	0.046	/
	Level5&6		Top Edge	10	20525	836.5	1	Mid	-0.04	0.137	23.41	24.50	1.285	0.176	/
	Level5&6			10	20450	829	25	Mid	0.01	0.112	22.46	23.50	1.271	0.142	/
Ant.0	Level5&6	QPSK	Front Side	10	20525	836.5	1	Mid	-0.11	0.112	23.39	24.50	1.291	0.145	/
	Level5&6			10	20600	844	25	High	0.18	0.094	22.40	23.50	1.288	0.121	/
	Level5&6		Back Side	10	20525	836.5	1	Mid	-0.10	0.228	23.39	24.50	1.291	0.294	24#
	Level5&6			10	20600	844	25	High	-0.08	0.180	22.40	23.50	1.288	0.232	/
	Level5&6		Left Edge	10	20525	836.5	1	Mid	0.07	0.082	23.39	24.50	1.291	0.106	/
	Level5&6			10	20600	844	25	High	0.00	0.069	22.40	23.50	1.288	0.089	/
	Level5&6		Right Edge	10	20525	836.5	1	Mid	0.18	0.135	23.39	24.50	1.291	0.174	/
	Level5&6			10	20600	844	25	High	-0.17	0.109	22.40	23.50	1.288	0.140	/
	Level5&6		Bottom Edge	10	20525	836.5	1	Mid	0.11	0.128	23.39	24.50	1.291	0.165	/
	Level5&6			10	20600	844	25	High	-0.10	0.109	22.40	23.50	1.288	0.140	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	21100	2535	1	High	0.10	0.134	13.68	14.00	1.076	0.144	/
	Level1			0	21100	2535	50	High	0.18	0.103	12.75	13.00	1.059	0.109	/
	Level1		Left Tilt	0	21100	2535	1	High	0.02	0.144	13.68	14.00	1.076	0.155	/
	Level1			0	21100	2535	50	High	-0.07	0.179	12.75	13.00	1.059	0.190	/
	Level1		Right Cheek	0	21100	2535	1	High	-0.03	0.333	13.68	14.00	1.076	0.358	/
	Level1			0	21100	2535	50	High	0.09	0.256	12.75	13.00	1.059	0.271	/
	Level1		Right Tilt	0	21100	2535	1	High	-0.03	0.404	13.68	14.00	1.076	0.435	25#
	Level1			0	21100	2535	50	High	-0.19	0.311	12.75	13.00	1.059	0.329	/
Ant.1	Level2&3	QPSK	Left Cheek	0	21350	2560	1	Low	0.02	0.105	12.14	13.00	1.219	0.128	/
	Level2&3			0	21100	2535	50	Low	0.06	0.080	11.24	12.00	1.191	0.095	/

	Level2&3		Left Tilt	0	21350	2560	1	Low	0.01	0.119	12.14	13.00	1.219	0.145	/
	Level2&3			0	21100	2535	50	Low	0.16	0.146	11.24	12.00	1.191	0.174	/
	Level2&3		Right Cheek	0	21350	2560	1	Low	0.15	0.272	12.14	13.00	1.219	0.332	/
	Level2&3			0	21100	2535	50	Low	-0.12	0.213	11.24	12.00	1.191	0.254	/
	Level2&3		Right Tilt	0	21350	2560	1	Low	0.13	0.321	12.14	13.00	1.219	0.391	/
	Level2&3			0	21100	2535	50	Low	-0.05	0.247	11.24	12.00	1.191	0.294	/
Ant.0	Level1&2&3	QPSK	Left Cheek	0	20850	2510	1	Low	-0.19	0.186	23.12	24.00	1.225	0.228	/
	Level1&2&3			0	20850	2510	50	Low	-0.02	0.146	23.12	24.00	1.225	0.179	/
	Level1&2&3		Left Tilt	0	20850	2510	1	Low	-0.04	0.150	23.12	24.00	1.225	0.184	/
	Level1&2&3			0	20850	2510	50	Low	-0.07	0.128	23.12	24.00	1.225	0.157	/
	Level1&2&3		Right Cheek	0	20850	2510	1	Low	0.12	0.284	23.12	24.00	1.225	0.348	/
	Level1&2&3			0	20850	2510	50	Low	0.13	0.231	23.12	24.00	1.225	0.283	/
	Level1&2&3		Right Tilt	0	20850	2510	1	Low	0.01	0.155	23.12	24.00	1.225	0.190	/
	Level1&2&3			0	20850	2510	50	Low	0.10	0.133	23.12	24.00	1.225	0.163	/
Body-worn															
Ant.1	Level4	QPSK	Front Side	15	21350	2560	1	Low	0.01	0.059	15.71	16.00	1.069	0.063	/
	Level4			15	21100	2535	50	Low	0.19	0.047	14.33	15.00	1.167	0.055	/
	Level4		Back Side	15	21350	2560	1	Low	0.13	0.121	15.71	16.00	1.069	0.129	/
	Level4			15	21100	2535	50	Low	0.17	0.093	14.33	15.00	1.167	0.109	/
Ant.1	Level5&6	QPSK	Front Side	15	21350	2560	1	Low	0.03	0.041	14.55	15.00	1.109	0.045	/
	Level5&6			15	21100	2535	50	Low	-0.13	0.035	13.41	14.00	1.146	0.040	/
	Level5&6		Back Side	15	21350	2560	1	Low	0.09	0.092	14.55	15.00	1.109	0.102	/
	Level5&6			15	21100	2535	50	Low	0.14	0.075	13.41	14.00	1.146	0.086	/
Ant.0	Level4	QPSK	Front Side	15	21100	2535	1	Low	0.17	0.201	22.56	23.00	1.107	0.222	/
	Level4			15	21350	2560	50	Mid	-0.03	0.156	21.20	22.00	1.202	0.188	/
	Level4		Back Side	15	21100	2535	1	Low	-0.07	0.281	22.56	23.00	1.107	0.311	26#
	Level4			15	21350	2560	50	Mid	-0.13	0.223	21.20	22.00	1.202	0.268	/
Ant.0	Level5&6	QPSK	Front Side	15	21350	2560	1	Low	-0.03	0.154	21.20	22.00	1.202	0.185	/
	Level5&6			15	21350	2560	50	Mid	-0.08	0.120	20.08	21.00	1.236	0.148	/
	Level5&6		Back Side	15	21350	2560	1	Low	-0.15	0.208	21.20	22.00	1.202	0.250	/
	Level5&6			15	21350	2560	50	Mid	0.13	0.173	20.08	21.00	1.236	0.214	/
Hotspot															
Ant.1	Level5&6	QPSK	Front Side	10	21350	2560	1	Low	-0.16	0.079	14.55	15.00	1.109	0.088	/
	Level5&6			10	21100	2535	50	Low	0.05	0.063	13.41	14.00	1.146	0.072	/
	Level5&6		Back Side	10	21350	2560	1	Low	-0.03	0.181	14.55	15.00	1.109	0.201	/
	Level5&6			10	21100	2535	50	Low	0.05	0.144	13.41	14.00	1.146	0.165	/
	Level5&6		Left Edge	10	21350	2560	1	Low	-0.13	0.011	14.55	15.00	1.109	0.012	/
	Level5&6			10	21100	2535	50	Low	0.19	0.008	13.41	14.00	1.146	0.009	/
	Level5&6		Right Edge	10	21350	2560	1	Low	-0.17	0.097	14.55	15.00	1.109	0.108	/
	Level5&6			10	21100	2535	50	Low	-0.18	0.079	13.41	14.00	1.146	0.090	/
	Level5&6		Top Edge	10	21350	2560	1	Low	-0.15	0.241	14.55	15.00	1.109	0.267	/
	Level5&6			10	21100	2535	50	Low	-0.03	0.189	13.41	14.00	1.146	0.217	/
Ant.0	Level5&6	QPSK	Front Side	10	21350	2560	1	Low	0.01	0.232	21.20	22.00	1.202	0.279	/
	Level5&6			10	21350	2560	50	Mid	-0.17	0.185	20.08	21.00	1.236	0.229	/
	Level5&6		Back Side	10	21350	2560	1	Low	-0.17	0.318	21.20	22.00	1.202	0.382	27#

	Level5&6		Left Edge	10	21350	2560	50	Mid	0.11	0.253	20.08	21.00	1.236	0.313	/
	Level5&6			10	21350	2560	1	Low	0.01	0.163	21.20	22.00	1.202	0.196	/
	Level5&6			10	21350	2560	50	Mid	0.10	0.132	20.08	21.00	1.236	0.163	/
	Level5&6			10	21350	2560	1	Low	-0.16	0.044	21.20	22.00	1.202	0.053	/
	Level5&6		Right Edge	10	21350	2560	50	Mid	0.17	0.034	20.08	21.00	1.236	0.042	/
	Level5&6			10	21350	2560	1	Low	0.17	0.173	21.20	22.00	1.202	0.208	/
	Level5&6			10	21350	2560	50	Mid	0.09	0.142	20.08	21.00	1.236	0.176	/
	Level5&6			10	21350	2560	1	Low	0.17	0.173	21.20	22.00	1.202	0.208	/

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

10.10 LTE Band 12 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1&2&3	QPSK	Left Cheek	0	23095	707.5	1	Mid	-0.13	0.042	23.57	24.50	1.239	0.052	/
	Level1&2&3			0	23060	704	25	Low	0.07	0.049	22.83	23.50	1.167	0.057	/
	Level1&2&3		Left Tilt	0	23095	707.5	1	Mid	-0.19	0.046	23.57	24.50	1.239	0.057	/
	Level1&2&3			0	23060	704	25	Low	-0.13	0.053	22.83	23.50	1.167	0.062	/
	Level1&2&3		Right Cheek	0	23095	707.5	1	Mid	-0.10	0.066	23.57	24.50	1.239	0.082	28#
	Level1&2&3			0	23060	704	25	Low	-0.13	0.055	22.83	23.50	1.167	0.064	/
	Level1&2&3		Right Tilt	0	23095	707.5	1	Mid	0.06	0.064	23.57	24.50	1.239	0.079	/
	Level1&2&3			0	23060	704	25	Low	-0.09	0.051	22.83	23.50	1.167	0.060	/
Ant.0	Level1&2&3	QPSK	Left Cheek	0	23130	711	1	High	0.09	0.048	23.43	24.50	1.279	0.061	/
	Level1&2&3			0	23130	711	25	Mid	0.15	0.047	22.78	23.50	1.180	0.055	/
	Level1&2&3		Left Tilt	0	23130	711	1	High	-0.06	0.025	23.43	24.50	1.279	0.032	/
	Level1&2&3			0	23130	711	25	Mid	0.18	0.018	22.78	23.50	1.180	0.021	/
	Level1&2&3		Right Cheek	0	23130	711	1	High	0.06	0.041	23.43	24.50	1.279	0.052	/
	Level1&2&3			0	23130	711	25	Mid	0.12	0.039	22.78	23.50	1.180	0.046	/
	Level1&2&3		Right Tilt	0	23130	711	1	High	0.13	0.008	23.43	24.50	1.279	0.010	/
	Level1&2&3			0	23130	711	25	Mid	0.02	0.006	22.78	23.50	1.180	0.007	/
Body-worn															
Ant.1	Level4&5&6	QPSK	Front Side	15	23095	707.5	1	Mid	-0.05	0.006	23.57	24.50	1.239	0.007	/
	Level4&5&6			15	23060	704	25	Low	0.17	0.005	22.83	23.50	1.167	0.006	/
	Level4&5&6		Back Side	15	23095	707.5	1	Mid	-0.02	0.015	23.57	24.50	1.239	0.019	/
	Level4&5&6			15	23060	704	25	Low	0.09	0.011	22.83	23.50	1.167	0.013	/
Ant.0	Level4&5&6	QPSK	Front Side	15	23130	711	1	High	0.14	0.111	23.43	24.50	1.279	0.142	/
	Level4&5&6			15	23130	711	25	Mid	-0.15	0.104	22.78	23.50	1.180	0.123	/
	Level4&5&6		Back Side	15	23130	711	1	High	0.01	0.167	23.43	24.50	1.279	0.214	29#
	Level4&5&6			15	23130	711	25	Mid	0.10	0.158	22.78	23.50	1.180	0.186	/
Hotspot															
Ant.1	Level4&5&6	QPSK	Front Side	10	23095	707.5	1	Mid	0.19	0.009	23.57	24.50	1.239	0.011	/
	Level4&5&6			10	23060	704	25	Low	0.17	0.006	22.83	23.50	1.167	0.007	/
	Level4&5&6		Back Side	10	23095	707.5	1	Mid	-0.03	0.015	23.57	24.50	1.239	0.019	/
	Level4&5&6			10	23060	704	25	Low	0.17	0.011	22.83	23.50	1.167	0.013	/

	Level4&5&6		Left Edge	10	23095	707.5	1	Mid	-0.01	0.012	23.57	24.50	1.239	0.015	/
	Level4&5&6			10	23060	704	25	Low	0.06	0.010	22.83	23.50	1.167	0.012	/
	Level4&5&6		Right Edge	10	23095	707.5	1	Mid	0.01	0.008	23.57	24.50	1.239	0.010	/
	Level4&5&6			10	23060	704	25	Low	-0.19	0.006	22.83	23.50	1.167	0.007	/
	Level4&5&6		Top Edge	10	23095	707.5	1	Mid	-0.16	0.018	23.57	24.50	1.239	0.022	/
	Level4&5&6			10	23060	704	25	Low	-0.09	0.015	22.83	23.50	1.167	0.018	/
Ant.0	Level4&5&6	QPSK	Front Side	10	23130	711	1	High	0.11	0.120	23.43	24.50	1.279	0.154	/
	Level4&5&6			10	23130	711	25	Mid	-0.04	0.111	22.78	23.50	1.180	0.131	/
	Level4&5&6		Back Side	10	23130	711	1	High	-0.06	0.214	23.43	24.50	1.279	0.274	/
	Level4&5&6			10	23130	711	25	Mid	-0.09	0.200	22.78	23.50	1.180	0.236	/
	Level4&5&6		Left Edge	10	23130	711	1	High	-0.12	0.127	23.43	24.50	1.279	0.162	/
	Level4&5&6			10	23130	711	25	Mid	0.12	0.115	22.78	23.50	1.180	0.136	/
	Level4&5&6		Right Edge	10	23130	711	1	High	-0.07	0.219	23.43	24.50	1.279	0.280	30#
	Level4&5&6			10	23130	711	25	Mid	-0.13	0.204	22.78	23.50	1.180	0.241	/
	Level4&5&6		Bottom Edge	10	23130	711	1	High	0.00	0.079	23.43	24.50	1.279	0.101	/
	Level4&5&6			10	23130	711	25	Mid	-0.07	0.076	22.78	23.50	1.180	0.090	/

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

10.11 LTE Band 26 (15MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	26865	831.5	1	High	-0.12	0.378	20.84	21.50	1.164	0.440	/
	Level1			0	26865	831.5	36	Low	-0.15	0.310	19.62	20.50	1.225	0.380	/
	Level1		Left Tilt	0	26865	831.5	1	High	-0.09	0.342	20.84	21.50	1.164	0.398	/
	Level1			0	26865	831.5	36	Low	-0.09	0.292	19.62	20.50	1.225	0.358	/
	Level1		Right Cheek	0	26865	831.5	1	High	-0.03	0.397	20.84	21.50	1.164	0.462	31#
	Level1			0	26865	831.5	36	Low	-0.04	0.326	19.62	20.50	1.225	0.399	/
	Level1		Right Tilt	0	26865	831.5	1	High	0.17	0.376	20.84	21.50	1.164	0.438	/
	Level1			0	26865	831.5	36	Low	-0.03	0.322	19.62	20.50	1.225	0.394	/
Ant.1	Level2&3	QPSK	Left Cheek	0	26865	831.5	1	Low	0.01	0.306	19.89	20.50	1.151	0.352	/
	Level2&3			0	26865	831.5	36	Low	-0.15	0.251	18.71	19.50	1.199	0.301	/
	Level2&3		Left Tilt	0	26865	831.5	1	Low	0.14	0.270	19.89	20.50	1.151	0.311	/
	Level2&3			0	26865	831.5	36	Low	-0.08	0.234	18.71	19.50	1.199	0.281	/
	Level2&3		Right Cheek	0	26865	831.5	1	Low	0.09	0.319	19.89	20.50	1.151	0.367	/
	Level2&3			0	26865	831.5	36	Low	-0.05	0.267	18.71	19.50	1.199	0.320	/
	Level2&3		Right Tilt	0	26865	831.5	1	Low	0.18	0.295	19.89	20.50	1.151	0.339	/
	Level2&3			0	26865	831.5	36	Low	0.15	0.262	18.71	19.50	1.199	0.314	/
Ant.0	Level1&2&3	QPSK	Left Cheek	0	26865	831.5	1	Low	-0.18	0.130	23.58	24.50	1.236	0.161	/
	Level1&2&3			0	26865	831.5	36	Low	-0.09	0.110	23.58	24.50	1.236	0.136	/
	Level1&2&3		Left Tilt	0	26865	831.5	1	Low	-0.12	0.070	23.58	24.50	1.236	0.087	/
	Level1&2&3			0	26865	831.5	36	Low	-0.11	0.062	23.58	24.50	1.236	0.077	/
	Level1&2&3		Right Cheek	0	26865	831.5	1	Low	-0.13	0.115	23.58	24.50	1.236	0.142	/

	Level1&2&3	Right Tilt	0	26865	831.5	36	Low	-0.02	0.096	23.58	24.50	1.236	0.119	/	
	Level1&2&3		0	26865	831.5	1	Low	0.18	0.065	23.58	24.50	1.236	0.080	/	
	Level1&2&3		0	26865	831.5	36	Low	0.08	0.056	23.58	24.50	1.236	0.069	/	
Body-worn															
Ant.1	Level4&5&6	QPSK	Front Side	15	26865	831.5	1	Low	-0.15	0.057	23.51	24.50	1.256	0.072	/
	Level4&5&6			15	26865	831.5	36	Low	0.08	0.049	22.47	23.50	1.268	0.062	/
	Level4&5&6		Back Side	15	26865	831.5	1	Low	-0.04	0.081	23.51	24.50	1.256	0.102	/
	Level4&5&6			15	26865	831.5	36	Low	-0.19	0.074	22.47	23.50	1.268	0.094	/
Ant.0	Level4&5&6	QPSK	Front Side	15	26865	831.5	1	Low	-0.11	0.114	23.58	24.50	1.236	0.141	/
	Level4&5&6			15	26865	831.5	36	Low	-0.02	0.097	23.58	24.50	1.236	0.120	/
	Level4&5&6		Back Side	15	26865	831.5	1	Low	-0.05	0.163	23.58	24.50	1.236	0.201	32#
	Level4&5&6			15	26865	831.5	36	Low	-0.03	0.145	23.58	24.50	1.236	0.179	/
Hotspot															
Ant.1	Level5&6	QPSK	Front Side	10	26865	831.5	1	Low	-0.18	0.106	23.51	24.50	1.256	0.133	/
	Level5&6			10	26865	831.5	36	Low	0.16	0.102	22.47	23.50	1.268	0.129	/
	Level5&6		Back Side	10	26865	831.5	1	Low	-0.16	0.178	23.51	24.50	1.256	0.224	/
	Level5&6			10	26865	831.5	36	Low	0.09	0.154	22.47	23.50	1.268	0.195	/
	Level5&6		Left Edge	10	26865	831.5	1	Low	0.15	0.045	23.51	24.50	1.256	0.057	/
	Level5&6			10	26865	831.5	36	Low	0.03	0.000	22.47	23.50	1.268	0.000	/
	Level5&6		Right Edge	10	26865	831.5	1	Low	0.01	0.054	23.51	24.50	1.256	0.068	/
	Level5&6			10	26865	831.5	36	Low	0.06	0.047	22.47	23.50	1.268	0.060	/
	Level5&6		Top Edge	10	26865	831.5	1	Low	-0.18	0.184	23.51	24.50	1.256	0.231	/
	Level5&6			10	26865	831.5	36	Low	-0.15	0.158	22.47	23.50	1.268	0.200	/
Ant.0	Level5&6	QPSK	Front Side	10	26865	831.5	1	Low	0.13	0.117	23.58	24.50	1.236	0.145	/
	Level5&6			10	26865	831.5	36	Mid	0.19	0.101	22.52	23.50	1.253	0.127	/
	Level5&6		Back Side	10	26865	831.5	1	Low	-0.15	0.220	23.58	24.50	1.236	0.272	33#
	Level5&6			10	26865	831.5	36	Mid	0.02	0.185	22.52	23.50	1.253	0.232	/
	Level5&6		Left Edge	10	26865	831.5	1	Low	-0.14	0.084	23.58	24.50	1.236	0.104	/
	Level5&6			10	26865	831.5	36	Mid	0.14	0.074	22.52	23.50	1.253	0.093	/
	Level5&6		Right Edge	10	26865	831.5	1	Low	-0.03	0.138	23.58	24.50	1.236	0.171	/
	Level5&6			10	26865	831.5	36	Mid	-0.16	0.117	22.52	23.50	1.253	0.147	/
	Level5&6		Bottom Edge	10	26865	831.5	1	Low	-0.15	0.120	23.58	24.50	1.236	0.148	/
	Level5&6			10	26865	831.5	36	Mid	-0.07	0.108	22.52	23.50	1.253	0.135	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.12 LTE Band 66 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	132322	1745	1	High	0.00	0.654	17.59	18.00	1.099	0.719	/
	Level1			0	132072	1720	50	High	-0.03	0.528	16.27	17.00	1.183	0.625	/
	Level1		Left Tilt	0	132322	1745	1	High	-0.14	0.808	17.59	18.00	1.099	0.888	/
	Level1			0	132072	1720	1	High	0.18	0.795	17.41	18.00	1.146	0.911	/

	Level1		Right Cheek	0	132572	1770	1	Low	-0.01	0.830	17.54	18.00	1.112	0.923	/		
	Level1			0	132072	1720	50	High	0.07	0.662	16.27	17.00	1.183	0.783	/		
	Level1			0	132572	1770	100	Low	0.07	0.650	16.09	17.00	1.233	0.802	/		
	Level1			0	132322	1745	1	High	-0.07	0.910	17.59	18.00	1.099	1.000	/		
	Level1			0	132072	1720	1	High	0.03	0.903	17.41	18.00	1.146	1.034	/		
	Level1			0	132572	1770	1	Low	0.06	0.928	17.54	18.00	1.112	1.032	/		
	Level1			0	132072	1720	50	High	0.05	0.743	16.17	17.00	1.211	0.899	/		
	Level1			0	132322	1745	50	High	-0.16	0.721	16.21	17.00	1.199	0.865	/		
	Level1			0	132572	1770	50	Low	0.01	0.773	16.25	17.00	1.189	0.919	/		
	Level1			0	132572	1770	100	Low	-0.16	0.736	16.09	17.00	1.233	0.908	/		
	Level1		0	132322	1745	1	High	-0.19	1.040	17.59	18.00	1.099	1.143	/			
	Level1		0	132072	1720	1	High	-0.16	1.010	17.41	18.00	1.146	1.157	/			
	Level1		0	132572	1770	1	Low	-0.08	1.060	17.54	18.00	1.112	1.178	34#			
	Level1		0	132072	1720	50	High	0.00	0.857	16.27	17.00	1.183	1.014	/			
	Level1		0	132322	1745	50	High	0.15	0.841	16.21	17.00	1.199	1.009	/			
	Level1		0	132572	1770	50	Low	0.16	0.885	16.25	17.00	1.189	1.052	/			
	Level1		0	132572	1770	100	Low	0.11	0.853	16.09	17.00	1.233	1.052	/			
	Ant.1		Level2&3	QPSK	Left Cheek	0	132322	1745	1	High	0.06	0.519	16.85	17.00	1.035	0.537	/
			Level2&3			0	132572	1770	50	Low	0.19	0.419	15.88	16.00	1.028	0.431	/
			Level2&3		Left Tilt	0	132322	1745	1	High	0.17	0.642	16.85	17.00	1.035	0.665	/
Level2&3		0	132572			1770	50	Low	0.17	0.526	15.88	16.00	1.028	0.541	/		
Level2&3		Right Cheek	0		132322	1745	1	High	0.16	0.723	16.85	17.00	1.035	0.748	/		
Level2&3			0		132572	1770	50	Low	0.07	0.590	15.88	16.00	1.028	0.607	/		
Level2&3		Right Tilt	0		132322	1745	1	High	-0.08	0.826	16.85	17.00	1.035	0.855	/		
Level2&3			0		132072	1720	1	High	-0.10	0.803	16.75	17.00	1.059	0.851	/		
Level2&3			0		132572	1770	1	Low	0.16	0.842	16.67	17.00	1.079	0.908	/		
Level2&3			0		132322	1745	50	Low	-0.02	0.681	15.88	16.00	1.028	0.700	/		
Level2&3			0		132072	1720	50	High	0.02	0.668	15.37	16.00	1.156	0.772	/		
Level2&3			0		132572	1770	50	High	-0.02	0.703	15.62	16.00	1.091	0.767	/		
Level2&3		0	132572		1770	100	Low	-0.15	0.677	15.65	16.00	1.084	0.734	/			
Ant.0		Level1&2&3	QPSK		Left Cheek	0	132322	1745	1	Mid	-0.02	0.169	23.30	24.00	1.175	0.199	/
	Level1&2&3	0		132322		1745	50	Low	-0.19	0.139	22.30	23.00	1.175	0.163	/		
	Level1&2&3	Left Tilt		0	132322	1745	1	Mid	-0.01	0.054	23.30	24.00	1.175	0.063	/		
	Level1&2&3			0	132322	1745	50	Low	0.05	0.051	22.30	23.00	1.175	0.060	/		
	Level1&2&3	Right Cheek		0	132322	1745	1	Mid	-0.14	0.090	23.30	24.00	1.175	0.106	/		
	Level1&2&3			0	132322	1745	50	Low	0.08	0.078	22.30	23.00	1.175	0.092	/		
	Level1&2&3	Right Tilt		0	132322	1745	1	Mid	0.10	0.055	23.30	24.00	1.175	0.065	/		
	Level1&2&3			0	132322	1745	50	Low	0.05	0.049	22.30	23.00	1.175	0.058	/		
Body-worn																	
Ant.1	Level4	QPSK	Front Side	15	132322	1745	1	Mid	0.08	0.311	22.48	23.00	1.127	0.351	/		
	Level4			15	132322	1745	50	Mid	-0.08	0.257	21.25	22.00	1.189	0.305	/		
	Level4		Back Side	15	132322	1745	1	Mid	-0.07	0.435	22.48	23.00	1.127	0.490	35#		
	Level4			15	132322	1745	50	Mid	-0.17	0.359	21.25	22.00	1.189	0.427	/		
Ant.1	Level5&6	QPSK	Front Side	15	132322	1745	1	High	0.16	0.123	17.91	19.00	1.285	0.158	/		
	Level5&6			15	132572	1770	50	Low	-0.06	0.098	16.97	18.00	1.268	0.124	/		

	Level5&6		Back Side	15	132322	1745	1	High	-0.12	0.169	17.91	19.00	1.285	0.217	/
	Level5&6			15	132322	1745	50	Low	0.05	0.145	16.97	18.00	1.268	0.184	/
Ant.0	Level4	QPSK	Front Side	15	132322	1745	1	Low	0.01	0.110	20.20	21.00	1.202	0.132	/
	Level4			15	132572	1770	50	Low	0.15	0.088	18.99	20.00	1.262	0.111	/
	Level4		Back Side	15	132322	1745	1	Low	0.16	0.172	20.20	21.00	1.202	0.207	/
	Level4			15	132572	1770	50	Low	0.12	0.140	18.99	20.00	1.262	0.177	/
Ant.0	Level5&6	QPSK	Front Side	15	132572	1770	1	Low	-0.13	0.084	19.21	20.00	1.199	0.101	/
	Level5&6			15	132322	1745	50	High	-0.12	0.067	17.98	19.00	1.265	0.085	/
	Level5&6		Back Side	15	132572	1770	1	Low	0.18	0.136	19.21	20.00	1.199	0.163	/
	Level5&6			15	132322	1745	50	High	-0.07	0.107	17.98	19.00	1.265	0.135	/
Hotspot															
Ant.1	Level5&6	QPSK	Front Side	10	132322	1745	1	High	0.04	0.233	17.91	19.00	1.285	0.299	/
	Level5&6			10	132572	1770	50	Low	-0.03	0.192	16.97	18.00	1.268	0.243	/
	Level5&6		Back Side	10	132322	1745	1	High	-0.04	0.327	17.91	19.00	1.285	0.420	/
	Level5&6			10	132572	1770	50	Low	-0.08	0.268	16.97	18.00	1.268	0.340	/
	Level5&6		Left Edge	10	132322	1745	1	High	-0.04	0.044	17.91	19.00	1.285	0.057	/
	Level5&6			10	132572	1770	50	Low	0.07	0.036	16.97	18.00	1.268	0.046	/
	Level5&6		Right Edge	10	132322	1745	1	High	-0.15	0.082	17.91	19.00	1.285	0.105	/
	Level5&6			10	132572	1770	50	Low	0.14	0.067	16.97	18.00	1.268	0.085	/
	Level5&6		Top Edge	10	132322	1745	1	High	0.19	0.350	17.91	19.00	1.285	0.450	/
	Level5&6			10	132572	1770	50	Low	-0.04	0.306	16.97	18.00	1.268	0.388	/
Ant.0	Level5&6	QPSK	Front Side	10	132572	1770	1	Low	-0.10	0.260	19.21	20.00	1.199	0.312	/
	Level5&6			10	132322	1745	50	High	0.18	0.211	17.98	19.00	1.265	0.267	/
	Level5&6		Back Side	10	132572	1770	1	Low	0.08	0.402	19.21	20.00	1.199	0.482	/
	Level5&6			10	132322	1745	50	High	0.05	0.320	17.98	19.00	1.265	0.405	/
	Level5&6		Left Edge	10	132572	1770	1	Low	0.15	0.106	19.21	20.00	1.199	0.127	/
	Level5&6			10	132322	1745	50	High	-0.01	0.086	17.98	19.00	1.265	0.109	/
	Level5&6		Right Edge	10	132572	1770	1	Low	0.02	0.087	19.21	20.00	1.199	0.104	/
	Level5&6			10	132322	1745	50	High	0.02	0.070	17.98	19.00	1.265	0.089	/
	Level5&6		Bottom Edge	10	132572	1770	1	Low	0.00	0.550	19.21	20.00	1.199	0.660	36#
	Level5&6			10	132322	1745	50	High	0.02	0.456	17.98	19.00	1.265	0.577	/

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

10.13 LTE Band 38 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	38000	2595	1	Low	-0.16	0.144	15.83	16.00	1.040	0.150	/
	Level1			0	38150	2610	50	Low	-0.03	0.114	14.79	15.00	1.050	0.120	/
	Level1		Left Tilt	0	38000	2595	1	Low	-0.14	0.219	15.83	16.00	1.040	0.228	/
	Level1			0	38150	2610	50	Low	-0.02	0.159	14.79	15.00	1.050	0.167	/
	Level1		Right Cheek	0	38000	2595	1	Low	0.03	0.396	15.83	16.00	1.040	0.412	/
	Level1			0	38150	2610	50	Low	-0.15	0.312	14.79	15.00	1.050	0.327	/

	Level1		Right Tilt	0	38000	2595	1	Low	-0.09	0.510	15.83	16.00	1.040	0.530	37#
	Level1			0	38150	2610	50	Low	-0.11	0.399	14.79	15.00	1.050	0.419	/
Ant.1	Level2&3	QPSK	Left Cheek	0	38000	2595	1	Low	0.04	0.114	14.74	15.00	1.062	0.121	/
	Level2&3			0	38150	2610	50	Low	0.10	0.090	13.54	14.00	1.112	0.100	/
	Level2&3		Left Tilt	0	38000	2595	1	Low	0.09	0.174	14.74	15.00	1.062	0.185	/
	Level2&3			0	38150	2610	50	Low	0.00	0.126	13.54	14.00	1.112	0.140	/
	Level2&3		Right Cheek	0	38000	2595	1	Low	0.18	0.315	14.74	15.00	1.062	0.334	/
	Level2&3			0	38150	2610	50	Low	0.08	0.248	13.54	14.00	1.112	0.276	/
	Level2&3		Right Tilt	0	38000	2595	1	Low	0.09	0.405	14.74	15.00	1.062	0.430	/
	Level2&3			0	38150	2610	50	Low	-0.09	0.317	13.54	14.00	1.112	0.352	/
Ant.0	Level1&2&3	QPSK	Left Cheek	0	38000	2595	1	Mid	-0.05	0.109	23.55	24.00	1.109	0.121	/
	Level1&2&3			0	38150	2610	50	Low	0.18	0.092	22.37	23.00	1.156	0.106	/
	Level1&2&3		Left Tilt	0	38000	2595	1	Mid	0.09	0.095	23.55	24.00	1.109	0.105	/
	Level1&2&3			0	38150	2610	50	Low	0.19	0.079	22.37	23.00	1.156	0.091	/
	Level1&2&3		Right Cheek	0	38000	2595	1	Mid	0.12	0.181	23.55	24.00	1.109	0.201	/
	Level1&2&3			0	38150	2610	50	Low	0.16	0.155	22.37	23.00	1.156	0.179	/
	Level1&2&3		Right Tilt	0	38000	2595	1	Mid	0.04	0.070	23.55	24.00	1.109	0.078	/
	Level1&2&3			0	38150	2610	50	Low	-0.06	0.054	22.37	23.00	1.156	0.062	/
Body-worn															
Ant.1	Level4	QPSK	Front Side	15	38000	2595	1	Low	0.17	0.147	19.93	20.00	1.016	0.149	/
	Level4			15	38150	2610	50	Low	0.12	0.123	18.36	19.00	1.159	0.143	/
	Level4		Back Side	15	38000	2595	1	Low	0.16	0.223	19.93	20.00	1.016	0.227	38#
	Level4			15	38150	2610	50	Low	-0.04	0.184	18.36	19.00	1.159	0.213	/
Ant.1	Level5&6	QPSK	Front Side	15	38150	2610	1	Low	0.04	0.115	18.90	19.00	1.023	0.118	/
	Level5&6			15	38150	2610	50	Low	0.11	0.096	17.17	18.00	1.211	0.116	/
	Level5&6		Back Side	15	38150	2610	1	Low	0.18	0.173	18.90	19.00	1.023	0.177	/
	Level5&6			15	38150	2610	50	Low	0.03	0.125	17.17	18.00	1.211	0.151	/
Ant.0	Level4&5&6	QPSK	Front Side	15	38000	2595	1	Mid	-0.11	0.072	23.55	24.00	1.109	0.080	/
	Level4&5&6			15	38150	2610	50	Low	0.12	0.058	22.37	23.00	1.156	0.067	/
	Level4&5&6		Back Side	15	38000	2595	1	Mid	-0.08	0.142	23.55	24.00	1.109	0.158	/
	Level4&5&6			15	38150	2610	50	Low	-0.12	0.111	22.37	23.00	1.156	0.128	/
Hotspot															
Ant.1	Level5&6	QPSK	Front Side	10	38150	2610	1	Low	0.14	0.184	18.90	19.00	1.023	0.188	/
	Level5&6			10	38150	2610	50	Low	-0.10	0.144	17.17	18.00	1.211	0.174	/
	Level5&6		Back Side	10	38150	2610	1	Low	0.02	0.402	18.90	19.00	1.023	0.411	/
	Level5&6			10	38150	2610	50	Low	-0.15	0.316	17.17	18.00	1.211	0.383	/
	Level5&6		Left Edge	10	38150	2610	1	Low	-0.04	0.011	18.90	19.00	1.023	0.011	/
	Level5&6			10	38150	2610	50	Low	-0.09	0.009	17.17	18.00	1.211	0.011	/
	Level5&6		Right Edge	10	38150	2610	1	Low	-0.12	0.259	18.90	19.00	1.023	0.265	/
	Level5&6			10	38150	2610	50	Low	-0.13	0.203	17.17	18.00	1.211	0.246	/
	Level5&6		Top Edge	10	38150	2610	1	Low	0.03	0.520	18.90	19.00	1.023	0.532	39#
	Level5&6			10	38150	2610	50	Low	-0.09	0.417	17.17	18.00	1.211	0.505	/
Ant.0	Level5&6	QPSK	Front Side	10	38000	2595	1	Mid	-0.04	0.237	23.55	24.00	1.109	0.263	/
	Level5&6			10	38150	2610	50	Low	-0.03	0.195	22.37	23.00	1.156	0.225	/
	Level5&6		Back Side	10	38000	2595	1	Mid	-0.17	0.341	23.55	24.00	1.109	0.378	/

	Level5&6		Left Edge	10	38150	2610	50	Low	-0.02	0.277	22.37	23.00	1.156	0.320	/
	Level5&6			10	38000	2595	1	Mid	0.08	0.157	23.55	24.00	1.109	0.174	/
	Level5&6			10	38150	2610	50	Low	-0.11	0.130	22.37	23.00	1.156	0.150	/
	Level5&6			10	38000	2595	1	Mid	-0.14	0.074	23.55	24.00	1.109	0.082	/
	Level5&6		Right Edge	10	38150	2610	50	Low	0.07	0.060	22.37	23.00	1.156	0.069	/
	Level5&6			10	38000	2595	1	Mid	0.11	0.331	23.55	24.00	1.109	0.367	/
	Level5&6			10	38150	2610	50	Low	0.13	0.258	22.37	23.00	1.156	0.298	/
	Level5&6			10	38000	2595	1	Mid							

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

10.14 LTE Band 41 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	Level1	QPSK	Left Cheek	0	40140	2545	1	High	-0.02	0.122	15.80	16.00	1.047	0.128	/
	Level1			0	41140	2645	50	High	0.07	0.098	14.89	15.00	1.026	0.101	/
	Level1		Left Tilt	0	40140	2545	1	High	0.05	0.174	15.80	16.00	1.047	0.182	/
	Level1			0	41140	2645	50	High	0.12	0.135	14.89	15.00	1.026	0.138	/
	Level1		Right Cheek	0	40140	2545	1	High	0.04	0.404	15.80	16.00	1.047	0.423	/
	Level1			0	41140	2645	50	High	0.01	0.321	14.89	15.00	1.026	0.329	/
	Level1		Right Tilt	0	40140	2545	1	High	0.05	0.416	15.80	16.00	1.047	0.436	40#
	Level1			0	41140	2645	50	High	-0.18	0.332	14.89	15.00	1.026	0.341	/
Ant.1	Level2&3	QPSK	Left Cheek	0	41140	2645	1	High	-0.09	0.093	14.75	15.00	1.059	0.099	/
	Level2&3			0	41140	2645	50	High	-0.03	0.077	13.65	14.00	1.084	0.083	/
	Level2&3		Left Tilt	0	41140	2645	1	High	0.09	0.138	14.75	15.00	1.059	0.146	/
	Level2&3			0	41140	2645	50	High	-0.01	0.113	13.65	14.00	1.084	0.122	/
	Level2&3		Right Cheek	0	41140	2645	1	High	0.17	0.327	14.75	15.00	1.059	0.346	/
	Level2&3			0	41140	2645	50	High	0.10	0.266	13.65	14.00	1.084	0.288	/
	Level2&3		Right Tilt	0	41140	2645	1	High	-0.12	0.330	14.75	15.00	1.059	0.350	/
	Level2&3			0	41140	2645	50	High	-0.03	0.260	13.65	14.00	1.084	0.282	/
Ant.0	Level1&2&3	QPSK	Left Cheek	0	41140	2645	1	Low	0.07	0.096	23.46	24.00	1.132	0.109	/
	Level1&2&3			0	40140	2545	50	High	0.14	0.081	22.32	23.00	1.169	0.095	/
	Level1&2&3		Left Tilt	0	41140	2645	1	Low	0.01	0.085	23.46	24.00	1.132	0.096	/
	Level1&2&3			0	40140	2545	50	High	0.03	0.065	22.32	23.00	1.169	0.076	/
	Level1&2&3		Right Cheek	0	41140	2645	1	Low	0.04	0.185	23.46	24.00	1.132	0.209	/
	Level1&2&3			0	40140	2545	50	High	-0.13	0.145	22.32	23.00	1.169	0.170	/
	Level1&2&3		Right Tilt	0	41140	2645	1	Low	0.10	0.075	23.46	24.00	1.132	0.085	/
	Level1&2&3			0	40140	2545	50	High	0.01	0.061	22.32	23.00	1.169	0.071	/
Body-worn															
Ant.1	Level4	QPSK	Front Side	15	40140	2545	1	High	-0.08	0.059	19.93	20.00	1.016	0.060	/
	Level4			15	41140	2645	50	High	0.12	0.047	18.42	19.00	1.143	0.054	/
	Level4		Back Side	15	40140	2545	1	High	-0.06	0.080	19.93	20.00	1.016	0.081	/
	Level4			15	41140	2645	50	High	0.05	0.062	18.42	19.00	1.143	0.071	/
Ant.1	Level5&6	QPSK	Front Side	15	40140	2545	1	High	0.07	0.045	18.63	19.00	1.089	0.049	/

	Level5&6		Back Side	15	41140	2645	50	High	-0.17	0.032	17.32	18.00	1.169	0.037	/
	Level5&6			15	40140	2545	1	High	-0.01	0.061	18.63	19.00	1.089	0.066	/
	Level5&6			15	41140	2645	50	High	0.15	0.052	17.32	18.00	1.169	0.061	/
Ant.0	Level4&5&6	QPSK	Front Side	15	41140	2645	1	Low	0.16	0.119	23.46	24.00	1.132	0.135	/
	Level4&5&6			15	40140	2545	50	High	-0.14	0.099	22.32	23.00	1.169	0.116	/
	Level4&5&6		Back Side	15	41140	2645	1	Low	0.03	0.168	23.46	24.00	1.132	0.190	41#
	Level4&5&6			15	40140	2545	50	High	-0.05	0.140	22.32	23.00	1.169	0.164	/
Hotspot															
Ant.1	Level5&6	QPSK	Front Side	10	40140	2545	1	High	-0.06	0.118	18.63	19.00	1.089	0.128	/
	Level5&6			10	41140	2645	50	High	0.10	0.095	17.32	18.00	1.169	0.111	/
	Level5&6		Back Side	10	40140	2545	1	High	0.17	0.172	18.63	19.00	1.089	0.187	/
	Level5&6			10	41140	2645	50	High	0.04	0.139	17.32	18.00	1.169	0.163	/
	Level5&6		Left Edge	10	40140	2545	1	High	0.17	0.012	18.63	19.00	1.089	0.013	/
	Level5&6			10	41140	2645	50	High	-0.05	0.010	17.32	18.00	1.169	0.012	/
	Level5&6		Right Edge	10	40140	2545	1	High	-0.17	0.214	18.63	19.00	1.089	0.233	/
	Level5&6			10	41140	2645	50	High	0.13	0.171	17.32	18.00	1.169	0.200	/
	Level5&6		Top Edge	10	40140	2545	1	High	0.16	0.496	18.63	19.00	1.089	0.540	42#
	Level5&6			10	41140	2645	50	High	-0.12	0.394	17.32	18.00	1.169	0.461	/
Ant.0	Level5&6	QPSK	Front Side	10	41140	2645	1	Low	0.17	0.187	23.46	24.00	1.132	0.212	/
	Level5&6			10	40140	2545	50	High	0.05	0.158	22.32	23.00	1.169	0.185	/
	Level5&6		Back Side	10	41140	2645	1	Low	0.07	0.268	23.46	24.00	1.132	0.303	/
	Level5&6			10	40140	2545	50	High	0.12	0.224	22.32	23.00	1.169	0.262	/
	Level5&6		Left Edge	10	41140	2645	1	Low	0.17	0.139	23.46	24.00	1.132	0.157	/
	Level5&6			10	40140	2545	50	High	-0.05	0.114	22.32	23.00	1.169	0.133	/
	Level5&6		Right Edge	10	41140	2645	1	Low	0.12	0.064	23.46	24.00	1.132	0.072	/
	Level5&6			10	40140	2545	50	High	0.19	0.051	22.32	23.00	1.169	0.060	/
	Level5&6		Bottom Edge	10	41140	2645	1	Low	0.14	0.282	23.46	24.00	1.132	0.319	/
	Level5&6			10	40140	2545	50	High	-0.16	0.227	22.32	23.00	1.169	0.265	/

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

10.15 WIFI 2.4GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	Level1	802.11 b	Left Cheek	0	1	2412	-0.06	0.308	99.06	1.009	11.56	12.00	1.107	0.344	43#
	Level1		Left Tilt	0	1	2412	-0.12	0.259	99.06	1.009	11.56	12.00	1.107	0.289	/
	Level1		Right Cheek	0	1	2412	-0.15	0.161	99.06	1.009	11.56	12.00	1.107	0.180	/
	Level1		Right Tilt	0	1	2412	0.08	0.180	99.06	1.009	11.56	12.00	1.107	0.201	/
Ant.2	Level2	802.11 b	Left Cheek	0	1	2412	-0.03	0.191	99.06	1.009	9.63	10.00	1.089	0.210	/
	Level2		Left Tilt	0	1	2412	0.16	0.165	99.06	1.009	9.63	10.00	1.089	0.181	/
	Level2		Right Cheek	0	1	2412	-0.13	0.107	99.06	1.009	9.63	10.00	1.089	0.118	/
	Level2		Right Tilt	0	1	2412	0.13	0.112	99.06	1.009	9.63	10.00	1.089	0.123	/
Body-worn															
Ant.2	Level3	802.11 b	Front Side	15	9	2452	0.05	0.422	99.06	1.009	19.89	20.00	1.026	0.437	/
	Level3		Back Side	15	9	2452	-0.17	0.480	99.06	1.009	19.89	20.00	1.026	0.497	44#
Ant.2	Level4	802.11 b	Front Side	15	1	2412	0.12	0.085	99.06	1.009	13.57	14.00	1.104	0.095	/
	Level4		Back Side	15	1	2412	0.17	0.098	99.06	1.009	13.57	14.00	1.104	0.109	/
Hotspot															
Ant.2	Level4	802.11 b	Front Side	10	6	2437	0.08	0.091	99.06	1.009	13.57	14.00	1.104	0.101	/
	Level4		Back Side	10	6	2437	-0.13	0.121	99.06	1.009	13.57	14.00	1.104	0.135	45#
	Level4		Left Edge	10	6	2437	-0.03	0.104	99.06	1.009	13.57	14.00	1.104	0.116	/
	Level4		Top Edge	10	6	2437	-0.05	0.111	99.06	1.009	13.57	14.00	1.104	0.124	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.16 WIFI 5GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	Level1	5.3G 802.11n (HT40)	Left Cheek	0	54	5270	0.04	0.958	90.67	1.103	14.62	15.00	1.091	1.153	46#
	Level1			0	62	5310	0.05	0.300	90.67	1.103	8.40	11.00	1.820	0.602	/
	Level1		Left Tilt	0	54	5270	0.06	0.795	90.67	1.103	14.62	15.00	1.091	0.957	/
	Level1			0	62	5310	-0.09	0.246	90.67	1.103	8.40	11.00	1.820	0.494	/
	Level1		Right Cheek	0	54	5270	0.04	0.250	90.67	1.103	14.62	15.00	1.091	0.301	/
	Level1		Right Tilt	0	54	5270	-0.09	0.341	90.67	1.103	14.62	15.00	1.091	0.410	/
Ant.2	Level2	5.3G 802.11ac (VHT80)	Left Cheek	0	54	5270	0.11	0.109	85.60	1.168	5.22	6.00	1.197	0.152	/
	Level2		Left Tilt	0	54	5270	-0.04	0.092	85.60	1.168	5.22	6.00	1.197	0.129	/
	Level2		Right Cheek	0	54	5270	0.17	0.028	85.60	1.168	5.22	6.00	1.197	0.039	/
	Level2		Right Tilt	0	54	5270	0.02	0.035	85.60	1.168	5.22	6.00	1.197	0.049	/
Ant.2	Level1	5.6G 802.11ac (VHT80)	Left Cheek	0	122	5610	0.13	0.576	85.60	1.168	15.41	16.00	1.146	0.771	47#
	Level1		Left Tilt	0	122	5610	0.14	0.549	85.60	1.168	15.41	16.00	1.146	0.735	/
	Level1		Right Cheek	0	122	5610	0.11	0.361	85.60	1.168	15.41	16.00	1.146	0.483	/
	Level1		Right Tilt	0	122	5610	0.11	0.307	85.60	1.168	15.41	16.00	1.146	0.411	/

Ant.2	Level2	5.6G 802.11ac (VHT80)	Left Cheek	0	106	5530	0.03	0.080	85.60	1.168	6.63	8.00	1.371	0.128	/
	Level2		Left Tilt	0	106	5530	0.07	0.074	85.60	1.168	6.63	8.00	1.371	0.119	/
	Level2		Right Cheek	0	106	5530	0.04	0.051	85.60	1.168	6.63	8.00	1.371	0.082	/
	Level2		Right Tilt	0	106	5530	-0.01	0.042	85.60	1.168	6.63	8.00	1.371	0.067	/
Ant.2	Level1	5.8G 802.11ac (VHT80)	Left Cheek	0	155	5775	-0.05	0.686	85.60	1.168	15.72	16.00	1.067	0.855	48#
	Level1		Left Tilt	0	155	5775	-0.11	0.654	85.60	1.168	15.72	16.00	1.067	0.815	/
	Level1		Right Cheek	0	155	5775	0.16	0.348	85.60	1.168	15.72	16.00	1.067	0.434	/
	Level1		Right Tilt	0	155	5775	-0.09	0.424	85.60	1.168	15.72	16.00	1.067	0.528	/
Ant.2	Level2	5.8G 802.11ac (VHT80)	Left Cheek	0	155	5775	0.02	0.101	85.60	1.168	7.11	8.00	1.227	0.145	/
	Level2		Left Tilt	0	155	5775	0.08	0.095	85.60	1.168	7.11	8.00	1.227	0.136	/
	Level2		Right Cheek	0	155	5775	-0.14	0.053	85.60	1.168	7.11	8.00	1.227	0.076	/
	Level2		Right Tilt	0	155	5775	-0.06	0.061	85.60	1.168	7.11	8.00	1.227	0.087	/
Body-worn															
Ant.2	Level3	5.2&5.3G 802.11n (HT40)	Front Side	15	54	5270	0.18	0.143	90.67	1.103	16.56	19.00	1.754	0.277	/
	Level3		Back Side	15	54	5270	-0.14	0.437	90.67	1.103	16.56	19.00	1.754	0.845	49#
	Level3			15	62	5310	-0.16	0.086	90.67	1.103	8.40	11.00	1.820	0.173	/
Ant.2	Level4	5.2&5.3G 802.11ac (VHT80)	Front Side	15	58	5290	-0.19	0.043	85.60	1.168	10.31	11.00	1.172	0.059	/
	Level4		Back Side	15	58	5290	0.02	0.141	85.60	1.168	10.31	11.00	1.172	0.193	/
Ant.2	Level3	5.6G 802.11ac (VHT80)	Front Side	15	122	5610	0.15	0.105	85.60	1.168	16.32	19.00	1.854	0.227	/
	Level3		Back Side	15	122	5610	0.19	0.355	85.60	1.168	16.32	19.00	1.854	0.769	50#
	Level3			15	106	5530	0.10	0.081	85.60	1.168	8.20	10.00	1.514	0.143	/
Ant.2	Level4	5.6G 802.11ac (VHT80)	Front Side	15	122	5610	-0.01	0.026	85.60	1.168	9.36	11.00	1.459	0.044	/
	Level4		Back Side	15	122	5610	0.09	0.085	85.60	1.168	9.36	11.00	1.459	0.145	/
Ant.2	Level3	5.8G 802.11ac (VHT80)	Front Side	15	155	5775	0.15	0.136	85.60	1.168	16.25	19.00	1.884	0.299	/
	Level3		Back Side	15	155	5775	-0.04	0.542	85.60	1.168	16.25	19.00	1.884	1.193	51#
Ant.2	Level4	5.8G 802.11ac (VHT80)	Front Side	15	155	5775	-0.19	0.032	85.60	1.168	10.43	11.00	1.140	0.043	/
	Level4		Back Side	15	155	5775	0.05	0.129	85.60	1.168	10.43	11.00	1.140	0.172	/
Hotspot															
Ant.2	Level4	5.2G 802.11ac (VHT80)	Front Side	10	42	5210	-0.14	0.090	85.60	1.168	10.22	11.00	1.197	0.126	/
	Level4		Back Side	10	42	5210	0.13	0.261	85.60	1.168	10.22	11.00	1.197	0.365	52#
	Level4			Left Edge	10	42	5210	-0.18	0.258	85.60	1.168	10.22	11.00	1.197	0.361
	Level4		Top Edge	10	42	5210	0.02	0.230	85.60	1.168	10.22	11.00	1.197	0.322	/
Ant.2	Level4	5.8G 802.11ac (VHT80)	Front Side	10	155	5775	-0.01	0.071	85.60	1.168	10.43	11.00	1.140	0.095	/
	Level4		Back Side	10	155	5775	-0.12	0.278	85.60	1.168	10.43	11.00	1.140	0.370	53#
	Level4			Left Edge	10	155	5775	0.13	0.163	85.60	1.168	10.43	11.00	1.140	0.217
	Level4		Top Edge	10	155	5775	-0.05	0.219	85.60	1.168	10.43	11.00	1.140	0.292	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.2	Level3	5.2&5.3G 802.11n (HT40)	Front Side	0	54	5270	-0.10	0.239	90.67	1.103	16.56	19.00	1.754	0.462	/
	Level3		Back Side	0	54	5270	0.19	0.704	90.67	1.103	16.56	19.00	1.754	1.362	54#
	Level3		Left Edge	0	54	5270	-0.10	0.679	90.67	1.103	16.56	19.00	1.754	1.313	/
	Level3		Top Edge	0	54	5270	0.05	0.610	90.67	1.103	16.56	19.00	1.754	1.180	/
Ant.2	Level4	5.2&5.3G 802.11n (HT40)	Front Side	0	54	5270	0.19	0.071	85.60	1.168	10.31	11.00	1.172	0.097	/
	Level4		Back Side	0	54	5270	-0.04	0.214	85.60	1.168	10.31	11.00	1.172	0.293	/
	Level4		Left Edge	0	54	5270	-0.01	0.206	85.60	1.168	10.31	11.00	1.172	0.282	/
	Level4		Top Edge	0	54	5270	-0.03	0.185	85.60	1.168	10.31	11.00	1.172	0.253	/
Ant.2	Level3	5.6G 802.11ac (VHT80)	Front Side	0	122	5610	-0.16	0.415	85.60	1.168	16.32	19.00	1.854	0.899	/
	Level3		Back Side	0	122	5610	-0.11	0.555	85.60	1.168	16.32	19.00	1.854	1.202	/
	Level3		Left Edge	0	122	5610	0.12	1.010	85.60	1.168	16.32	19.00	1.854	2.187	55#
	Level3			0	106	5530	0.05	0.128	85.60	1.168	8.20	11.00	1.905	0.285	/
	Level3		Top Edge	0	122	5610	-0.12	0.858	85.60	1.168	16.32	19.00	1.854	1.858	/
Ant.2	Level3	5.6G 802.11ac (VHT80)	Front Side	0	122	5610	-0.15	0.087	85.60	1.168	9.36	11.00	1.459	0.148	/
	Level3		Back Side	0	122	5610	0.01	0.113	85.60	1.168	9.36	11.00	1.459	0.193	/
	Level3		Left Edge	0	122	5610	0.01	0.208	85.60	1.168	9.36	11.00	1.459	0.354	/
	Level3		Top Edge	0	122	5610	0.17	0.174	85.60	1.168	9.36	11.00	1.459	0.297	/
Ant.2	Level3	5.8G 802.11ac (VHT80)	Back Side	0	155	5775	0.00	0.651	85.60	1.168	16.25	19.00	1.884	1.433	/
	Level3		Left Edge	0	155	5775	-0.11	0.949	85.60	1.168	16.25	19.00	1.884	2.088	56#
	Level3		Top Edge	0	155	5775	0.03	0.685	85.60	1.168	16.25	19.00	1.884	1.507	/
Ant.2	Level4	5.8G 802.11ac (VHT80)	Back Side	0	155	5775	-0.14	0.161	85.60	1.168	10.43	11.00	1.140	0.214	/
	Level4		Left Edge	0	155	5775	0.13	0.239	85.60	1.168	10.43	11.00	1.140	0.318	/
	Level4		Top Edge	0	155	5775	0.08	0.175	85.60	1.168	10.43	11.00	1.140	0.233	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.17 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Duty cycle Setting	Duty cycle Factor	Meas. Power (dBm)	Max. tune- up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	Bluetooth	Left Cheek	0	78	2480	-0.14	0.226	77.48	1.291	11.16	12.50	1.361	0.397	57#
		Left Tilt	0	78	2480	0.15	0.172	77.48	1.291	11.16	12.50	1.361	0.302	/
		Right Cheek	0	78	2480	-0.07	0.108	77.48	1.291	11.16	12.50	1.361	0.190	/
		Right Tilt	0	78	2480	0.11	0.112	77.48	1.291	11.16	12.50	1.361	0.197	/
Body -worn														
Ant.2	Bluetooth	Front Side	15	78	2480	0.09	0.036	77.48	1.291	11.16	12.50	1.361	0.063	/
		Back Side	15	78	2480	0.16	0.044	77.48	1.291	11.16	12.50	1.361	0.077	58#
Hotspot														
Ant.2	Bluetooth	Front Side	10	78	2480	0.08	0.021	77.48	1.291	11.16	12.50	1.361	0.037	/
		Back Side	10	78	2480	0.15	0.084	77.48	1.291	11.16	12.50	1.361	0.148	59#
		Left Edge	10	78	2480	0.10	0.019	77.48	1.291	11.16	12.50	1.361	0.033	/
		Top Edge	10	78	2480	0.03	0.021	77.48	1.291	11.16	12.50	1.361	0.037	/
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 ^{1st} Measured SAR (W/kg)	Largest to Smallest SAR Ratio
1700	WCDMA band 4	Head	Right Tilt	0.917	Yes	0.905	1.01
1700	LTE band 4	Head	Right Tilt	0.832	Yes	0.794	1.05
1700	LTE band 66	Head	Right Tilt	1.060	Yes	1.010	1.05
5250	5G WiFi	Head	Left Cheek	0.958	Yes	0.946	1.01

Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20 , the second repeated measurement. is not required.

Note: For product specific 10g SAR, the highest measured 10g SAR is $2.19 < 2.0$ W/kg, 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	WWAN+WIFI2.4G	Yes	Yes	Yes
2	WWAN+BT	Yes	Yes	Yes
3	WWAN+WIFI5G	Yes	Yes	Yes
4	WWAN+WIFI2.4G	Yes	Yes	Yes
5	WWAN+WIFI5G+BT	Yes	Yes	Yes
6	WIFI5G+BT	Yes	Yes	Yes

Note:

1. 2G&3G&4G 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.
6. This device 2.4GHz WLAN/5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz WLAN/5.5GHz WLAN supports WiFi Direct (GC only)

12.3 Sum SAR of Simultaneous Transmission

12.3.1 Head Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Power Reduction	Position	Stand alone SAR				SUM SAR	
				1	2	3	4	1+2	1+3+4
				WWAN	2.4G WIFI Ant.2	5GWIFI Ant.2	Bluetooth Ant.2	WWAN+2.4G WIFI	WWAN+5G WIFI+BT
GSM850	Ant.1	Level2&3	Left Cheek	0.220	0.210	0.152	0.397	0.430	0.769
		Level2&3	Left Tilt	0.205	0.181	0.136	0.302	0.387	0.644
		Level2&3	Right Cheek	0.433	0.118	0.082	0.190	0.550	0.704
		Level2&3	Right Tilt	0.355	0.123	0.087	0.197	0.478	0.639
GSM850	Ant.0	Level2&3	Left Cheek	0.191	0.210	0.152	0.397	0.401	0.740
		Level2&3	Left Tilt	0.101	0.181	0.136	0.302	0.283	0.540
		Level2&3	Right Cheek	0.147	0.118	0.082	0.190	0.265	0.419
		Level2&3	Right Tilt	0.083	0.123	0.087	0.197	0.207	0.368
GSM 1900	Ant.1	Level2&3	Left Cheek	0.260	0.210	0.152	0.397	0.470	0.809
		Level2&3	Left Tilt	0.318	0.181	0.136	0.302	0.500	0.757
		Level2&3	Right Cheek	0.400	0.118	0.082	0.190	0.518	0.671
		Level2&3	Right Tilt	0.512	0.123	0.087	0.197	0.635	0.796
GSM 1900	Ant.0	Level2&3	Left Cheek	0.081	0.210	0.152	0.397	0.291	0.631
		Level2&3	Left Tilt	0.055	0.181	0.136	0.302	0.236	0.493
		Level2&3	Right Cheek	0.062	0.118	0.082	0.190	0.180	0.333
		Level2&3	Right Tilt	0.007	0.123	0.087	0.197	0.130	0.292
WCDMA B2	Ant.1	Level2&3	Left Cheek	0.552	0.210	0.152	0.397	0.762	1.102
		Level2&3	Left Tilt	0.650	0.181	0.136	0.302	0.831	1.088
		Level2&3	Right Cheek	0.735	0.118	0.082	0.190	0.852	1.006
		Level2&3	Right Tilt	0.833	0.123	0.087	0.197	0.957	1.118
WCDMA B2	Ant.0	Level2&3	Left Cheek	0.105	0.210	0.152	0.397	0.315	0.654
		Level2&3	Left Tilt	0.071	0.181	0.136	0.302	0.252	0.509
		Level2&3	Right Cheek	0.085	0.118	0.082	0.190	0.203	0.357
		Level2&3	Right Tilt	0.063	0.123	0.087	0.197	0.186	0.348
WCDMA B4	Ant.1	Level2&3	Left Cheek	0.569	0.210	0.152	0.397	0.779	1.118
		Level2&3	Left Tilt	0.682	0.181	0.136	0.302	0.863	1.121
		Level2&3	Right Cheek	0.771	0.118	0.082	0.190	0.889	1.043
		Level2&3	Right Tilt	0.912	0.123	0.087	0.197	1.035	1.197
WCDMA B4	Ant.0	Level2&3	Left Cheek	0.198	0.210	0.152	0.397	0.408	0.747
		Level2&3	Left Tilt	0.059	0.181	0.136	0.302	0.240	0.497
		Level2&3	Right Cheek	0.110	0.118	0.082	0.190	0.228	0.381
		Level2&3	Right Tilt	0.067	0.123	0.087	0.197	0.190	0.351
WCDMA B5	Ant.1	Level2&3	Left Cheek	0.387	0.210	0.152	0.397	0.597	0.937
		Level2&3	Left Tilt	0.389	0.181	0.136	0.302	0.570	0.827
		Level2&3	Right Cheek	0.629	0.118	0.082	0.190	0.746	0.900
		Level2&3	Right Tilt	0.453	0.123	0.087	0.197	0.576	0.737

WCDMA B5	Ant.0	Level2&3	Left Cheek	0.246	0.210	0.152	0.397	0.456	0.796
		Level2&3	Left Tilt	0.122	0.181	0.136	0.302	0.304	0.561
		Level2&3	Right Cheek	0.181	0.118	0.082	0.190	0.299	0.453
		Level2&3	Right Tilt	0.096	0.123	0.087	0.197	0.220	0.381
LTE B2	Ant.1	Level2&3	Left Cheek	0.404	0.210	0.152	0.397	0.614	0.954
		Level2&3	Left Tilt	0.499	0.181	0.136	0.302	0.681	0.938
		Level2&3	Right Cheek	0.650	0.118	0.082	0.190	0.768	0.922
		Level2&3	Right Tilt	0.616	0.123	0.087	0.197	0.739	0.900
LTE B2	Ant.0	Level2&3	Left Cheek	0.130	0.210	0.152	0.397	0.340	0.679
		Level2&3	Left Tilt	0.078	0.181	0.136	0.302	0.259	0.516
		Level2&3	Right Cheek	0.090	0.118	0.082	0.190	0.208	0.361
		Level2&3	Right Tilt	0.072	0.123	0.087	0.197	0.195	0.356
LTE B4	Ant.1	Level2&3	Left Cheek	0.488	0.210	0.152	0.397	0.698	1.038
		Level2&3	Left Tilt	0.582	0.181	0.136	0.302	0.763	1.020
		Level2&3	Right Cheek	0.646	0.118	0.082	0.190	0.764	0.917
		Level2&3	Right Tilt	0.745	0.123	0.087	0.197	0.868	1.029
LTE B4	Ant.0	Level2&3	Left Cheek	0.168	0.210	0.152	0.397	0.378	0.718
		Level2&3	Left Tilt	0.050	0.181	0.136	0.302	0.231	0.488
		Level2&3	Right Cheek	0.086	0.118	0.082	0.190	0.203	0.357
		Level2&3	Right Tilt	0.061	0.123	0.087	0.197	0.184	0.345
LTE B5	Ant.1	Level2&3	Left Cheek	0.227	0.210	0.152	0.397	0.437	0.777
		Level2&3	Left Tilt	0.296	0.181	0.136	0.302	0.477	0.735
		Level2&3	Right Cheek	0.324	0.118	0.082	0.190	0.442	0.596
		Level2&3	Right Tilt	0.288	0.123	0.087	0.197	0.411	0.572
LTE B5	Ant.0	Level2&3	Left Cheek	0.179	0.210	0.152	0.397	0.389	0.729
		Level2&3	Left Tilt	0.112	0.181	0.136	0.302	0.294	0.551
		Level2&3	Right Cheek	0.177	0.118	0.082	0.190	0.295	0.448
		Level2&3	Right Tilt	0.101	0.123	0.087	0.197	0.224	0.385
LTE B7	Ant.1	Level2&3	Left Cheek	0.128	0.210	0.152	0.397	0.338	0.677
		Level2&3	Left Tilt	0.145	0.181	0.136	0.302	0.326	0.584
		Level2&3	Right Cheek	0.332	0.118	0.082	0.190	0.449	0.603
		Level2&3	Right Tilt	0.391	0.123	0.087	0.197	0.514	0.676
LTE B7	Ant.0	Level2&3	Left Cheek	0.228	0.210	0.152	0.397	0.438	0.777
		Level2&3	Left Tilt	0.184	0.181	0.136	0.302	0.365	0.622
		Level2&3	Right Cheek	0.348	0.118	0.082	0.190	0.465	0.619
		Level2&3	Right Tilt	0.190	0.123	0.087	0.197	0.313	0.474
LTE B12	Ant.1	Level2&3	Left Cheek	0.057	0.210	0.152	0.397	0.267	0.607
		Level2&3	Left Tilt	0.062	0.181	0.136	0.302	0.243	0.500
		Level2&3	Right Cheek	0.082	0.118	0.082	0.190	0.199	0.353
		Level2&3	Right Tilt	0.079	0.123	0.087	0.197	0.202	0.364
LTE B12	Ant.0	Level2&3	Left Cheek	0.061	0.210	0.152	0.397	0.271	0.611
		Level2&3	Left Tilt	0.032	0.181	0.136	0.302	0.213	0.470
		Level2&3	Right Cheek	0.052	0.118	0.082	0.190	0.170	0.324
		Level2&3	Right Tilt	0.010	0.123	0.087	0.197	0.133	0.295
LTE B26	Ant.1	Level2&3	Left Cheek	0.352	0.210	0.152	0.397	0.562	0.902

		Level2&3	Left Tilt	0.311	0.181	0.136	0.302	0.492	0.749
		Level2&3	Right Cheek	0.367	0.118	0.082	0.190	0.485	0.639
		Level2&3	Right Tilt	0.339	0.123	0.087	0.197	0.463	0.624
LTE B26	Ant.0	Level2&3	Left Cheek	0.161	0.210	0.152	0.397	0.371	0.710
		Level2&3	Left Tilt	0.087	0.181	0.136	0.302	0.268	0.525
		Level2&3	Right Cheek	0.142	0.118	0.082	0.190	0.260	0.414
		Level2&3	Right Tilt	0.080	0.123	0.087	0.197	0.203	0.365
LTE B66	Ant.1	Level2&3	Left Cheek	0.537	0.210	0.152	0.397	0.747	1.087
		Level2&3	Left Tilt	0.665	0.181	0.136	0.302	0.846	1.103
		Level2&3	Right Cheek	0.748	0.118	0.082	0.190	0.866	1.020
		Level2&3	Right Tilt	0.908	0.123	0.087	0.197	1.032	1.193
LTE B66	Ant.0	Level2&3	Left Cheek	0.199	0.210	0.152	0.397	0.409	0.748
		Level2&3	Left Tilt	0.063	0.181	0.136	0.302	0.245	0.502
		Level2&3	Right Cheek	0.106	0.118	0.082	0.190	0.223	0.377
		Level2&3	Right Tilt	0.065	0.123	0.087	0.197	0.188	0.349
LTE B38	Ant.1	Level2&3	Left Cheek	0.121	0.210	0.152	0.397	0.331	0.671
		Level2&3	Left Tilt	0.185	0.181	0.136	0.302	0.366	0.623
		Level2&3	Right Cheek	0.334	0.118	0.082	0.190	0.452	0.606
		Level2&3	Right Tilt	0.430	0.123	0.087	0.197	0.553	0.714
LTE B38	Ant.0	Level2&3	Left Cheek	0.121	0.210	0.152	0.397	0.331	0.670
		Level2&3	Left Tilt	0.105	0.181	0.136	0.302	0.287	0.544
		Level2&3	Right Cheek	0.201	0.118	0.082	0.190	0.318	0.472
		Level2&3	Right Tilt	0.078	0.123	0.087	0.197	0.201	0.362
LTE B41	Ant.1	Level2&3	Left Cheek	0.099	0.210	0.152	0.397	0.308	0.648
		Level2&3	Left Tilt	0.146	0.181	0.136	0.302	0.328	0.585
		Level2&3	Right Cheek	0.346	0.118	0.082	0.190	0.464	0.618
		Level2&3	Right Tilt	0.350	0.123	0.087	0.197	0.473	0.634
LTE B41	Ant.0	Level2&3	Left Cheek	0.109	0.210	0.152	0.397	0.319	0.658
		Level2&3	Left Tilt	0.096	0.181	0.136	0.302	0.278	0.535
		Level2&3	Right Cheek	0.209	0.118	0.082	0.190	0.327	0.481
		Level2&3	Right Tilt	0.085	0.123	0.087	0.197	0.208	0.369

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

12.3.2 Body Worn Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Power Reduction	Position	Stand alone SAR				SUM SAR	
				1	2	3	4	1+2	1+3+4
				WWAN	2.4G WIFI Ant.2	5G WIFI Ant.2	Bluetooth Ant.2	WWAN+2.4G WIFI	WWAN+5G WIFI+BT
GSM850	Ant.1	Level5&6	Front Side 15mm	0.096	0.095	0.059	0.063	0.190	0.218
		Level5&6	Back Side 15mm	0.199	0.109	0.193	0.077	0.308	0.469
GSM850	Ant.0	Level5&6	Front Side 15mm	0.088	0.095	0.059	0.063	0.183	0.210
		Level5&6	Back Side 15mm	0.200	0.109	0.193	0.077	0.309	0.470
GSM1900	Ant.1	Level5&6	Front Side 15mm	0.235	0.095	0.059	0.063	0.330	0.357
		Level5&6	Back Side 15mm	0.319	0.109	0.193	0.077	0.428	0.589
GSM1900	Ant.0	Level5&6	Front Side 15mm	0.108	0.095	0.059	0.063	0.203	0.230
		Level5&6	Back Side 15mm	0.193	0.109	0.193	0.077	0.303	0.464
WCDMA B2	Ant.1	Level5&6	Front Side 15mm	0.239	0.095	0.059	0.063	0.334	0.361
		Level5&6	Back Side 15mm	0.333	0.109	0.193	0.077	0.442	0.603
WCDMA B2	Ant.0	Level5&6	Front Side 15mm	0.060	0.095	0.059	0.063	0.155	0.182
		Level5&6	Back Side 15mm	0.105	0.109	0.193	0.077	0.214	0.375
WCDMA B4	Ant.1	Level5&6	Front Side 15mm	0.047	0.095	0.059	0.063	0.141	0.169
		Level5&6	Back Side 15mm	0.071	0.109	0.193	0.077	0.181	0.342
WCDMA B4	Ant.0	Level5&6	Front Side 15mm	0.137	0.095	0.059	0.063	0.232	0.259
		Level5&6	Back Side 15mm	0.212	0.109	0.193	0.077	0.322	0.483
WCDMA B5	Ant.1	Level5&6	Front Side 15mm	0.064	0.095	0.059	0.063	0.158	0.186
		Level5&6	Back Side 15mm	0.079	0.109	0.193	0.077	0.188	0.349
WCDMA B5	Ant.0	Level5&6	Front Side 15mm	0.094	0.095	0.059	0.063	0.188	0.216
		Level5&6	Back Side 15mm	0.142	0.109	0.193	0.077	0.251	0.412
LTE B2	Ant.1	Level5&6	Front Side 15mm	0.240	0.095	0.059	0.063	0.335	0.362
		Level5&6	Back Side 15mm	0.295	0.109	0.193	0.077	0.404	0.565
LTE B2	Ant.0	Level5&6	Front Side 15mm	0.084	0.095	0.059	0.063	0.179	0.206
		Level5&6	Back Side 15mm	0.136	0.109	0.193	0.077	0.245	0.406
LTE B4	Ant.1	Level5&6	Front Side 15mm	0.231	0.095	0.059	0.063	0.325	0.353
		Level5&6	Back Side 15mm	0.325	0.109	0.193	0.077	0.435	0.596
LTE B4	Ant.0	Level5&6	Front Side 15mm	0.063	0.095	0.059	0.063	0.157	0.185
		Level5&6	Back Side 15mm	0.096	0.109	0.193	0.077	0.205	0.366
LTE B5	Ant.1	Level5&6	Front Side 15mm	0.064	0.095	0.059	0.063	0.159	0.186
		Level5&6	Back Side 15mm	0.091	0.109	0.193	0.077	0.200	0.361
LTE B5	Ant.0	Level5&6	Front Side 15mm	0.123	0.095	0.059	0.063	0.217	0.245
		Level5&6	Back Side 15mm	0.181	0.109	0.193	0.077	0.290	0.451
LTE B7	Ant.1	Level5&6	Front Side 15mm	0.045	0.095	0.059	0.063	0.140	0.168
		Level5&6	Back Side 15mm	0.102	0.109	0.193	0.077	0.211	0.372
LTE B7	Ant.0	Level5&6	Front Side 15mm	0.185	0.095	0.059	0.063	0.280	0.307
		Level5&6	Back Side 15mm	0.250	0.109	0.193	0.077	0.359	0.520
LTE B12	Ant.1	Level5&6	Front Side 15mm	0.007	0.095	0.059	0.063	0.102	0.130
		Level5&6	Back Side 15mm	0.019	0.109	0.193	0.077	0.128	0.289
LTE B12	Ant.0	Level5&6	Front Side 15mm	0.142	0.095	0.059	0.063	0.237	0.264

		Level5&6	Back Side 15mm	0.214	0.109	0.193	0.077	0.323	0.484
LTE B26	Ant.1	Level5&6	Front Side 15mm	0.072	0.095	0.059	0.063	0.166	0.194
		Level5&6	Back Side 15mm	0.102	0.109	0.193	0.077	0.211	0.372
LTE B26	Ant.0	Level5&6	Front Side 15mm	0.141	0.095	0.059	0.063	0.236	0.263
		Level5&6	Back Side 15mm	0.201	0.109	0.193	0.077	0.311	0.472
LTE B66	Ant.1	Level5&6	Front Side 15mm	0.158	0.095	0.059	0.063	0.253	0.280
		Level5&6	Back Side 15mm	0.217	0.109	0.193	0.077	0.326	0.487
LTE B66	Ant.0	Level5&6	Front Side 15mm	0.101	0.095	0.059	0.063	0.195	0.223
		Level5&6	Back Side 15mm	0.163	0.109	0.193	0.077	0.272	0.433
LTE B38	Ant.1	Level5&6	Front Side 15mm	0.118	0.095	0.059	0.063	0.212	0.240
		Level5&6	Back Side 15mm	0.177	0.109	0.193	0.077	0.286	0.447
LTE B38	Ant.0	Level5&6	Front Side 15mm	0.080	0.095	0.059	0.063	0.175	0.202
		Level5&6	Back Side 15mm	0.158	0.109	0.193	0.077	0.267	0.428
LTE B41	Ant.1	Level5&6	Front Side 15mm	0.049	0.095	0.059	0.063	0.144	0.171
		Level5&6	Back Side 15mm	0.066	0.109	0.193	0.077	0.176	0.337
LTE B41	Ant.0	Level5&6	Front Side 15mm	0.135	0.095	0.059	0.063	0.229	0.257
		Level5&6	Back Side 15mm	0.190	0.109	0.193	0.077	0.299	0.460

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

12.3.3 Hotspot Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Power Reduction	Position	Stand alone SAR				SUM SAR	
				1	2	3	4	1+2	1+3+4
				WWAN	2.4G WIFI Ant.2	5G WIFI Ant.2	Bluetooth Ant.2	WWAN+2.4G WIFI	WWAN+5G WIFI+BT
GSM850	Ant.1	Level5&6	Front Side 10mm	0.272	0.101	0.126	0.037	0.374	0.435
		Level5&6	Back Side 10mm	0.417	0.135	0.370	0.148	0.552	0.935
		Level5&6	Left Edge 10mm	0.127	0.116	0.361	0.033	0.243	0.521
		Level5&6	Right Edge 10mm	0.115	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.388	0.124	0.322	0.037	0.511	0.746
GSM850	Ant.0	Level5&6	Front Side 10mm	0.170	0.101	0.126	0.037	0.271	0.333
		Level5&6	Back Side 10mm	0.349	0.135	0.370	0.148	0.483	0.866
		Level5&6	Left Edge 10mm	0.104	0.116	0.361	0.033	0.220	0.498
		Level5&6	Right Edge 10mm	0.191	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.188	/	/	/	/	/
GSM1900	Ant.1	Level5&6	Front Side 10mm	0.502	0.101	0.126	0.037	0.603	0.664
		Level5&6	Back Side 10mm	0.706	0.135	0.370	0.148	0.841	1.224
		Level5&6	Left Edge 10mm	0.000	0.116	0.361	0.033	0.116	0.394
		Level5&6	Right Edge 10mm	0.148	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.982	0.124	0.322	0.037	1.105	1.340
GSM1900	Ant.0	Level5&6	Front Side 10mm	0.229	0.101	0.126	0.037	0.330	0.391

		Level5&6	Back Side 10mm	0.386	0.135	0.370	0.148	0.520	0.903
		Level5&6	Left Edge 10mm	0.106	0.116	0.361	0.033	0.222	0.500
		Level5&6	Right Edge 10mm	0.069	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.631	/	/	/	/	/
WCDMA B2	Ant.1	Level5&6	Front Side 10mm	0.540	0.101	0.126	0.037	0.641	0.702
		Level5&6	Back Side 10mm	0.777	0.135	0.370	0.148	0.912	1.295
		Level5&6	Left Edge 10mm	0.072	0.116	0.361	0.033	0.188	0.466
		Level5&6	Right Edge 10mm	0.181	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.939	0.124	0.322	0.037	1.063	1.297
WCDMA B2	Ant.0	Level5&6	Front Side 10mm	0.164	0.101	0.126	0.037	0.266	0.327
		Level5&6	Back Side 10mm	0.311	0.135	0.370	0.148	0.446	0.829
		Level5&6	Left Edge 10mm	0.076	0.116	0.361	0.033	0.192	0.471
		Level5&6	Right Edge 10mm	0.045	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.449	/	/	/	/	/
WCDMA B4	Ant.1	Level5&6	Front Side 10mm	0.429	0.101	0.126	0.037	0.530	0.591
		Level5&6	Back Side 10mm	0.639	0.135	0.370	0.148	0.774	1.157
		Level5&6	Left Edge 10mm	0.084	0.116	0.361	0.033	0.200	0.478
		Level5&6	Right Edge 10mm	0.157	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.793	0.124	0.322	0.037	0.917	1.151
WCDMA B4	Ant.0	Level5&6	Front Side 10mm	0.268	0.101	0.126	0.037	0.369	0.430
		Level5&6	Back Side 10mm	0.426	0.135	0.370	0.148	0.561	0.944
		Level5&6	Left Edge 10mm	0.112	0.116	0.361	0.033	0.228	0.506
		Level5&6	Right Edge 10mm	0.093	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.596	/	/	/	/	/
WCDMA B5	Ant.1	Level5&6	Front Side 10mm	0.180	0.101	0.126	0.037	0.282	0.343
		Level5&6	Back Side 10mm	0.286	0.135	0.370	0.148	0.421	0.804
		Level5&6	Left Edge 10mm	0.074	0.116	0.361	0.033	0.190	0.468
		Level5&6	Right Edge 10mm	0.077	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.313	0.124	0.322	0.037	0.437	0.672
WCDMA B5	Ant.0	Level5&6	Front Side 10mm	0.180	0.101	0.126	0.037	0.282	0.343
		Level5&6	Back Side 10mm	0.328	0.135	0.370	0.148	0.463	0.846
		Level5&6	Left Edge 10mm	0.121	0.116	0.361	0.033	0.237	0.515
		Level5&6	Right Edge 10mm	0.219	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.204	/	/	/	/	/
LTE B2	Ant.1	Level5&6	Front Side 10mm	0.451	0.101	0.126	0.037	0.552	0.614
		Level5&6	Back Side 10mm	0.674	0.135	0.370	0.148	0.809	1.192
		Level5&6	Left Edge 10mm	0.060	0.116	0.361	0.033	0.176	0.454
		Level5&6	Right Edge 10mm	0.152	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.793	0.124	0.322	0.037	0.917	1.151
LTE B2	Ant.0	Level5&6	Front Side 10mm	0.109	0.101	0.126	0.037	0.211	0.272
		Level5&6	Back Side 10mm	0.208	0.135	0.370	0.148	0.343	0.726
		Level5&6	Left Edge 10mm	0.054	0.116	0.361	0.033	0.170	0.448
		Level5&6	Right Edge 10mm	0.032	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.316	/	/	/	/	/
LTE B4	Ant.1	Level5&6	Front Side 10mm	0.538	0.101	0.126	0.037	0.640	0.701

		Level5&6	Back Side 10mm	0.758	0.135	0.370	0.148	0.893	1.276
		Level5&6	Left Edge 10mm	0.098	0.116	0.361	0.033	0.214	0.492
		Level5&6	Right Edge 10mm	0.176	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.846	0.124	0.322	0.037	0.970	1.204
LTE B4	Ant.0	Level5&6	Front Side 10mm	0.183	0.101	0.126	0.037	0.285	0.346
		Level5&6	Back Side 10mm	0.280	0.135	0.370	0.148	0.415	0.798
		Level5&6	Left Edge 10mm	0.070	0.116	0.361	0.033	0.186	0.464
		Level5&6	Right Edge 10mm	0.061	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.398	/	/	/	/	/
LTE B5	Ant.1	Level5&6	Front Side 10mm	0.135	0.101	0.126	0.037	0.236	0.298
		Level5&6	Back Side 10mm	0.213	0.135	0.370	0.148	0.348	0.731
		Level5&6	Left Edge 10mm	0.058	0.116	0.361	0.033	0.174	0.452
		Level5&6	Right Edge 10mm	0.057	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.176	0.124	0.322	0.037	0.300	0.535
LTE B5	Ant.0	Level5&6	Front Side 10mm	0.145	0.101	0.126	0.037	0.246	0.307
		Level5&6	Back Side 10mm	0.294	0.135	0.370	0.148	0.429	0.812
		Level5&6	Left Edge 10mm	0.106	0.116	0.361	0.033	0.222	0.500
		Level5&6	Right Edge 10mm	0.174	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.165	/	/	/	/	/
LTE B7	Ant.1	Level5&6	Front Side 10mm	0.088	0.101	0.126	0.037	0.189	0.250
		Level5&6	Back Side 10mm	0.088	0.135	0.370	0.148	0.222	0.606
		Level5&6	Left Edge 10mm	0.088	0.116	0.361	0.033	0.204	0.482
		Level5&6	Right Edge 10mm	0.088	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.088	0.124	0.322	0.037	0.211	0.446
LTE B7	Ant.0	Level5&6	Front Side 10mm	0.088	0.101	0.126	0.037	0.189	0.250
		Level5&6	Back Side 10mm	0.088	0.135	0.370	0.148	0.222	0.606
		Level5&6	Left Edge 10mm	0.088	0.116	0.361	0.033	0.204	0.482
		Level5&6	Right Edge 10mm	0.088	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.088	/	/	/	/	/
LTE B12	Ant.1	Level5&6	Front Side 10mm	0.011	0.101	0.126	0.037	0.113	0.174
		Level5&6	Back Side 10mm	0.019	0.135	0.370	0.148	0.153	0.536
		Level5&6	Left Edge 10mm	0.015	0.116	0.361	0.033	0.131	0.409
		Level5&6	Right Edge 10mm	0.010	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.022	0.124	0.322	0.037	0.146	0.381
LTE B12	Ant.0	Level5&6	Front Side 10mm	0.154	0.101	0.126	0.037	0.255	0.316
		Level5&6	Back Side 10mm	0.274	0.135	0.370	0.148	0.409	0.792
		Level5&6	Left Edge 10mm	0.162	0.116	0.361	0.033	0.278	0.557
		Level5&6	Right Edge 10mm	0.280	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.101	/	/	/	/	/
LTE B26	Ant.1	Level5&6	Front Side 10mm	0.133	0.101	0.126	0.037	0.235	0.296
		Level5&6	Back Side 10mm	0.224	0.135	0.370	0.148	0.358	0.741
		Level5&6	Left Edge 10mm	0.057	0.116	0.361	0.033	0.172	0.451
		Level5&6	Right Edge 10mm	0.068	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.231	0.124	0.322	0.037	0.355	0.590
LTE B26	Ant.0	Level5&6	Front Side 10mm	0.145	0.101	0.126	0.037	0.246	0.307

		Level5&6	Back Side 10mm	0.272	0.135	0.370	0.148	0.407	0.790
		Level5&6	Left Edge 10mm	0.104	0.116	0.361	0.033	0.220	0.498
		Level5&6	Right Edge 10mm	0.171	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.148	/	/	/	/	/
LTE B66	Ant.1	Level5&6	Front Side 10mm	0.299	0.101	0.126	0.037	0.401	0.462
		Level5&6	Back Side 10mm	0.420	0.135	0.370	0.148	0.555	0.938
		Level5&6	Left Edge 10mm	0.057	0.116	0.361	0.033	0.172	0.451
		Level5&6	Right Edge 10mm	0.105	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.450	0.124	0.322	0.037	0.574	0.808
LTE B66	Ant.0	Level5&6	Front Side 10mm	0.312	0.101	0.126	0.037	0.413	0.475
		Level5&6	Back Side 10mm	0.482	0.135	0.370	0.148	0.617	1.000
		Level5&6	Left Edge 10mm	0.127	0.116	0.361	0.033	0.243	0.521
		Level5&6	Right Edge 10mm	0.104	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.660	/	/	/	/	/
LTE B38	Ant.1	Level5&6	Front Side 10mm	0.188	0.101	0.126	0.037	0.290	0.351
		Level5&6	Back Side 10mm	0.411	0.135	0.370	0.148	0.546	0.929
		Level5&6	Left Edge 10mm	0.011	0.116	0.361	0.033	0.127	0.405
		Level5&6	Right Edge 10mm	0.265	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.532	0.124	0.322	0.037	0.656	0.891
LTE B38	Ant.0	Level5&6	Front Side 10mm	0.263	0.101	0.126	0.037	0.364	0.426
		Level5&6	Back Side 10mm	0.378	0.135	0.370	0.148	0.513	0.896
		Level5&6	Left Edge 10mm	0.174	0.116	0.361	0.033	0.290	0.568
		Level5&6	Right Edge 10mm	0.082	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.367	/	/	/	/	/
LTE B41	Ant.1	Level5&6	Front Side 10mm	0.128	0.101	0.126	0.037	0.230	0.291
		Level5&6	Back Side 10mm	0.187	0.135	0.370	0.148	0.322	0.705
		Level5&6	Left Edge 10mm	0.013	0.116	0.361	0.033	0.129	0.407
		Level5&6	Right Edge 10mm	0.233	/	/	/	/	/
		Level5&6	Top Edge 10mm	0.540	0.124	0.322	0.037	0.664	0.899
LTE B41	Ant.0	Level5&6	Front Side 10mm	0.212	0.101	0.126	0.037	0.313	0.374
		Level5&6	Back Side 10mm	0.303	0.135	0.370	0.148	0.438	0.821
		Level5&6	Left Edge 10mm	0.157	0.116	0.361	0.033	0.273	0.551
		Level5&6	Right Edge 10mm	0.072	/	/	/	/	/
		Level5&6	Bottom Edge 10mm	0.319	/	/	/	/	/

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

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1201	2020/11/11	2023/11/10
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2021/05/17	2024/05/16
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2021/05/17	2024/05/16
1900MHz Validation Dipole	Speag	D1900V2	SN: 5d193	2021/05/20	2024/05/19
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2021/05/19	2024/05/18
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2021/05/19	2024/05/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2021/05/18	2024/05/17
E-Field Probe	Speag	EX3DV4	SN: 3717	2021/06/07	2022/06/06
Data Acquisition Electronics	Speag	DAE4	SN: 1226	2021/05/17	2022/05/16
Signal Generator	R&S	SMB100A	177746	2021/08/24	2022/08/23
Power Meter	R&S	NRVD-B2	7250BJ-0112/2011	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z4	100381	2021/09/08	2022/09/07
Power Sensor	R&S	NRV-Z2	100211	2021/09/08	2022/09/07
Wireless Communication Test Set	Anritsu	MT8820C	6201502974	2021/03/16	2022/03/15
Wireless Communication Test Set	Anritsu	MT8820C	6201502991	2021/03/16	2022/03/15
Network Analyzer	Agilent	E5071B	MY42404001	2021/04/01	2022/03/31
Thermometer	Elitech	RC-4HC	EF720B004820	2021/12/01	2022/11/30
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Phantom1	Speag	SAM	SN: 1859	N/A	N/A
Phantom2	Speag	SAM	SN: 1857	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

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

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

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

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

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2022.01.11	Head	750	21.4	0.91	42.32	0.89	41.94	2.25	0.91
2021.12.28	Head	835	21.3	0.90	41.89	0.90	41.50	0.00	0.94
2021.12.29	Head	835	21.4	0.91	41.83	0.90	41.50	1.11	0.80
2022.01.06	Head	835	21.5	0.91	41.92	0.90	41.50	1.11	1.01
2022.01.07	Head	835	21.2	0.90	41.33	0.90	41.50	0.00	-0.41
2021.12.27	Head	1750	21.8	1.38	40.57	1.37	40.08	0.73	1.22
2022.01.13	Head	1750	21.5	1.38	40.10	1.37	40.08	0.73	0.05
2022.01.05	Head	1750	21.2	1.38	40.13	1.37	40.08	0.73	0.12
2022.01.01	Head	1900	21.4	1.40	39.72	1.40	40.00	0.00	-0.70
2022.01.15	Head	1900	21.9	1.40	40.00	1.40	40.00	0.00	0.00
2022.01.08	Head	2450	21.8	1.80	39.54	1.80	39.20	0.00	0.87
2022.02.21	Head	2450	21.4	1.80	39.69	1.80	39.20	0.00	1.25
2022.01.09	Head	2600	21.2	1.97	38.69	1.96	39.01	0.51	-0.82
2022.01.17	Head	2600	21.3	1.95	38.37	1.96	39.01	-0.51	-1.64
2022.01.18	Head	2600	21.4	1.93	37.80	1.96	39.01	-1.53	-3.10
2022.01.19	Head	2600	21.5	1.99	38.21	1.96	39.01	1.53	-2.05
2022.01.20	Head	5250	21.4	4.72	35.93	4.66	35.99	1.29	-0.17
2022.01.21	Head	5600	21.5	5.05	35.25	5.07	35.53	-0.39	-0.79
2022.01.22	Head	5750	21.5	5.18	35.58	5.27	35.30	-1.71	0.79

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

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2022.01.11	Head	750	100	0.817	8.17	8.29	-1.45
2021.12.28	Head	835	100	0.971	9.71	9.49	2.32
2021.12.29	Head	835	100	0.977	9.77	9.49	2.95
2022.01.06	Head	835	100	0.968	9.68	9.49	2.00
2022.01.07	Head	835	100	0.995	9.95	9.49	4.85
2021.12.27	Head	1750	100	3.810	38.10	36.80	3.53
2022.01.13	Head	1750	100	3.690	36.90	36.80	0.27
2022.01.05	Head	1750	100	3.560	35.60	36.80	-3.26
2022.01.01	Head	1900	100	4.080	40.80	39.40	3.55
2022.01.15	Head	1900	100	4.080	40.80	39.40	3.55
2022.01.08	Head	2450	100	5.440	54.40	52.60	3.42
2022.02.21	Head	2450	100	5.440	54.40	52.60	3.42
2022.01.09	Head	2600	100	5.570	55.70	56.30	-1.07
2022.01.17	Head	2600	100	5.830	58.30	56.30	3.55
2022.01.18	Head	2600	100	5.710	57.10	56.30	1.42
2022.01.19	Head	2600	100	5.790	57.90	56.30	2.84
2022.01.20	Head	5250	100	7.810	78.10	73.90	5.68
2022.01.21	Head	5600	100	8.250	82.50	80.30	2.74
2022.01.22	Head	5750	100	7.900	79.00	76.90	2.73

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

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2021.12.27	1750	100	2.000	20.00	19.10	4.71
2022.01.13	1750	100	1.940	19.40	19.10	1.57
2022.01.05	1750	100	1.930	19.30	19.10	1.05
2022.01.20	5250	100	2.220	22.20	22.10	0.45

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

System Performance Check Data (750MHz Head)

Date: 2022.01.11

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

Medium parameters used (extrapolated): $f = 750$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 42.321$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 750 100mW/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.847 W/kg

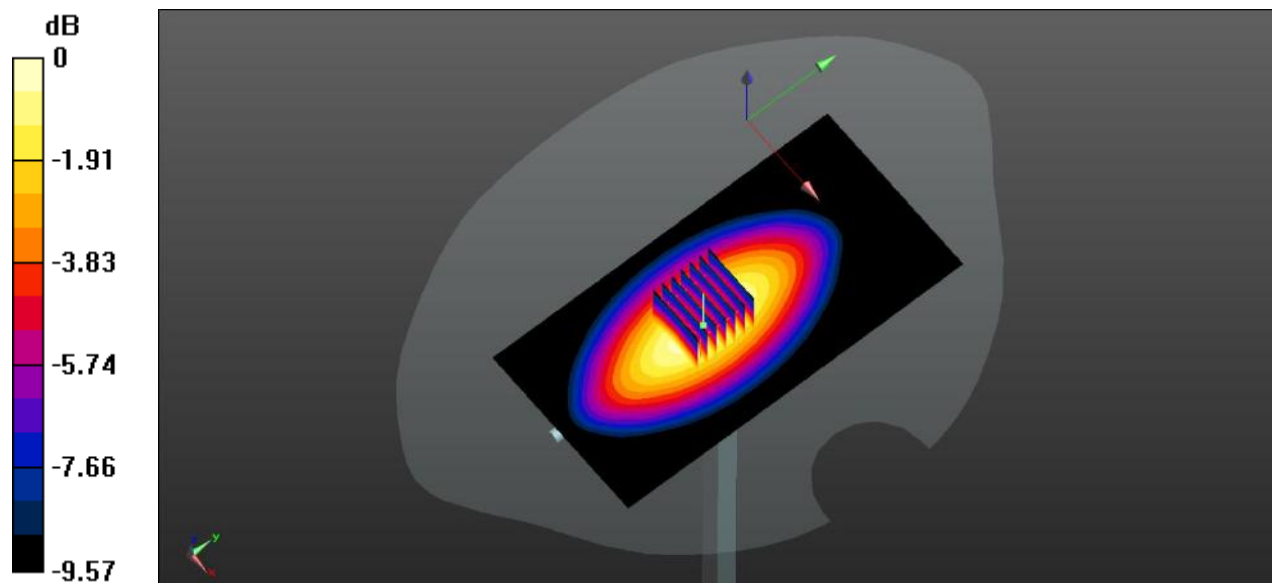
CW 750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.63 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.817 W/kg; SAR(10 g) = 0.527 W/kg

Maximum value of SAR (measured) = 0.852 W/kg



0 dB = 0.852 W/kg

System Performance Check Data (835MHz Head)

Date: 2021.12.28

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 41.893$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.3 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.07 W/kg

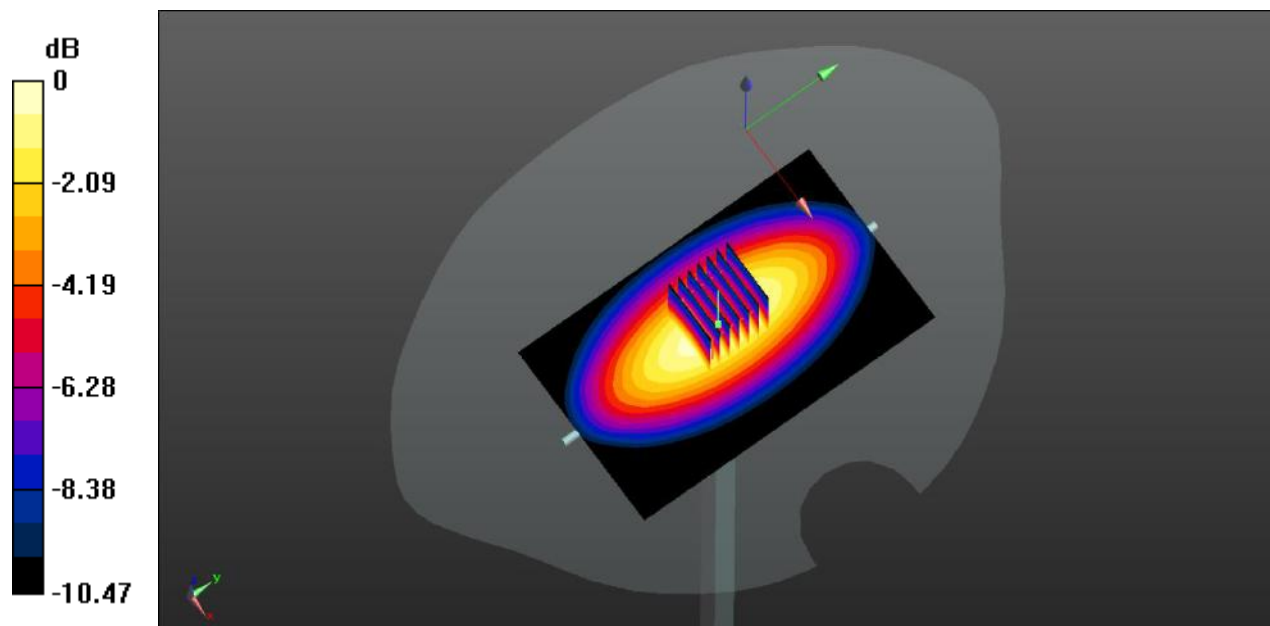
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.24 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.643 W/kg

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg

System Performance Check Data (835MHz Head)

Date: 2021.12.29

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.832$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.995 W/kg

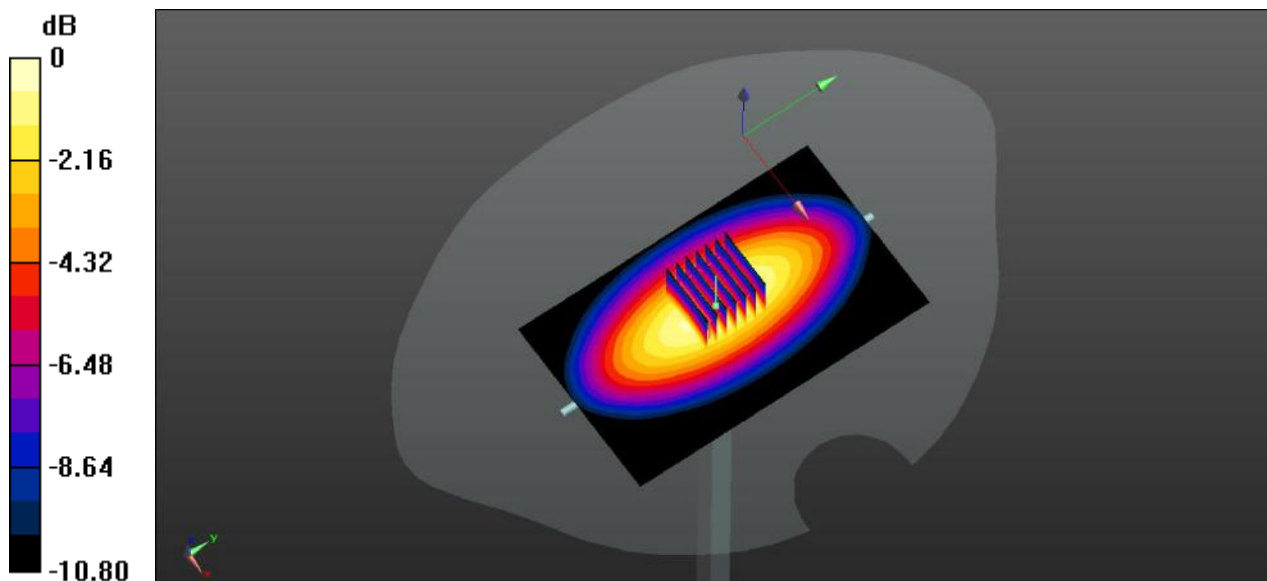
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.69 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.651 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.01.06

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.906 \text{ S/m}$; $\epsilon_r = 41.924$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.09 W/kg

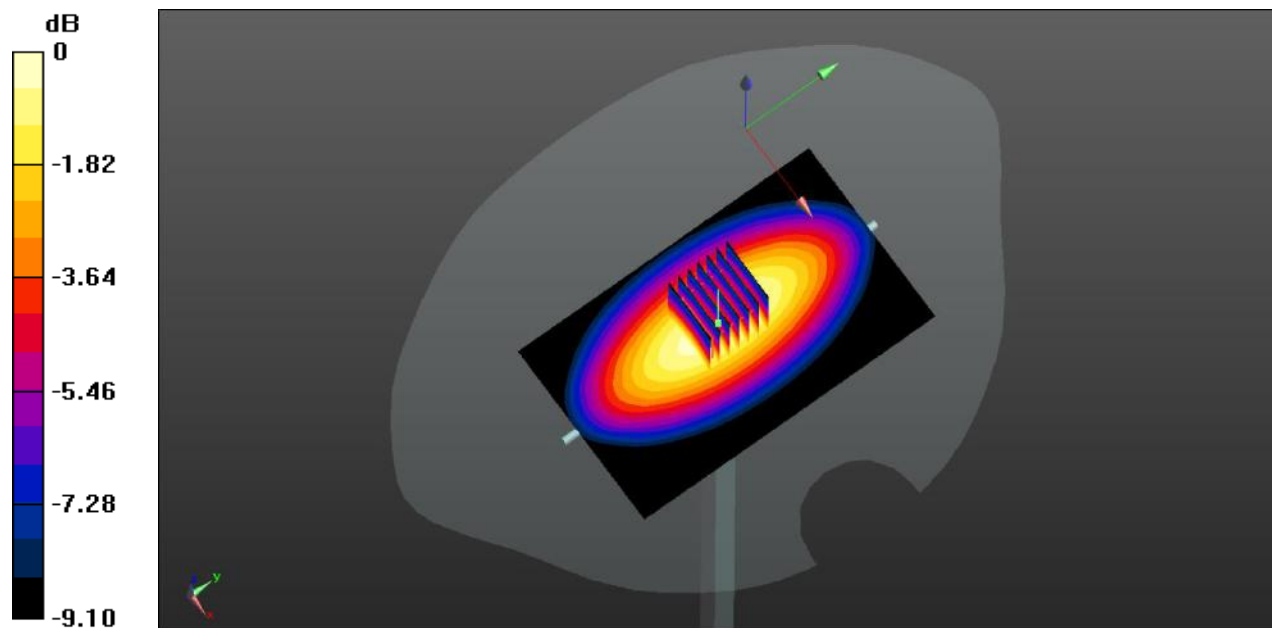
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.586 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.639 W/kg

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg

System Performance Check Data (835MHz Head)

Date: 2022.01.07

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 41.328$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 835 100mW/Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.06 W/kg

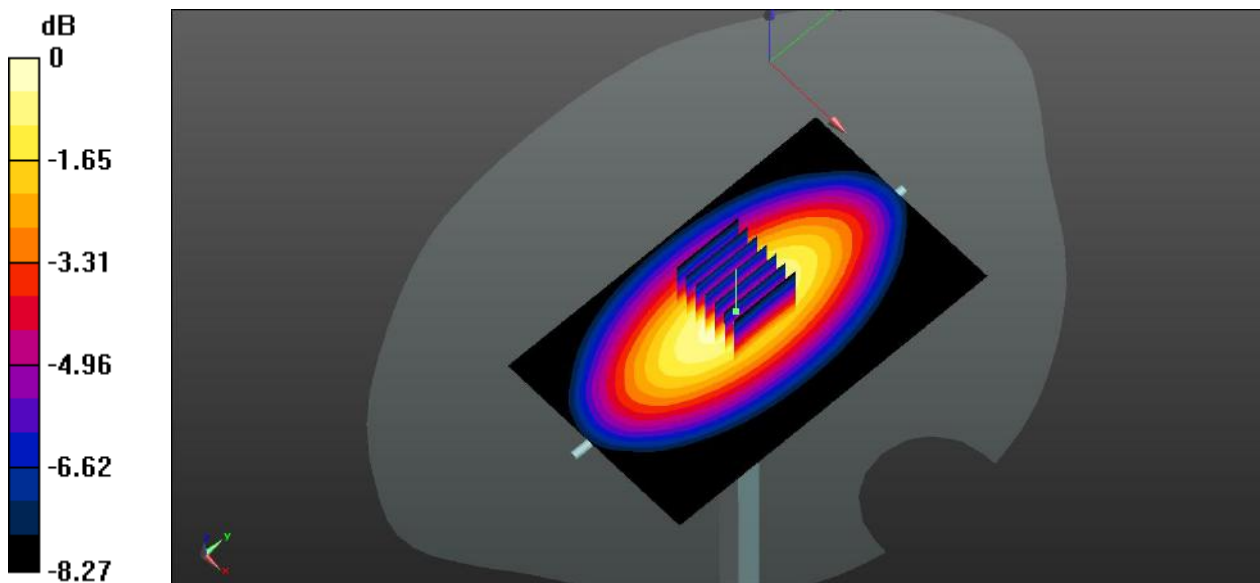
CW 835 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 35.08 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.631 W/kg

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



0 dB = 0.987 W/kg

System Performance Check Data (1750MHz Head)

Date: 2021.12.27

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

Medium parameters used (interpolated): $f = 1750$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

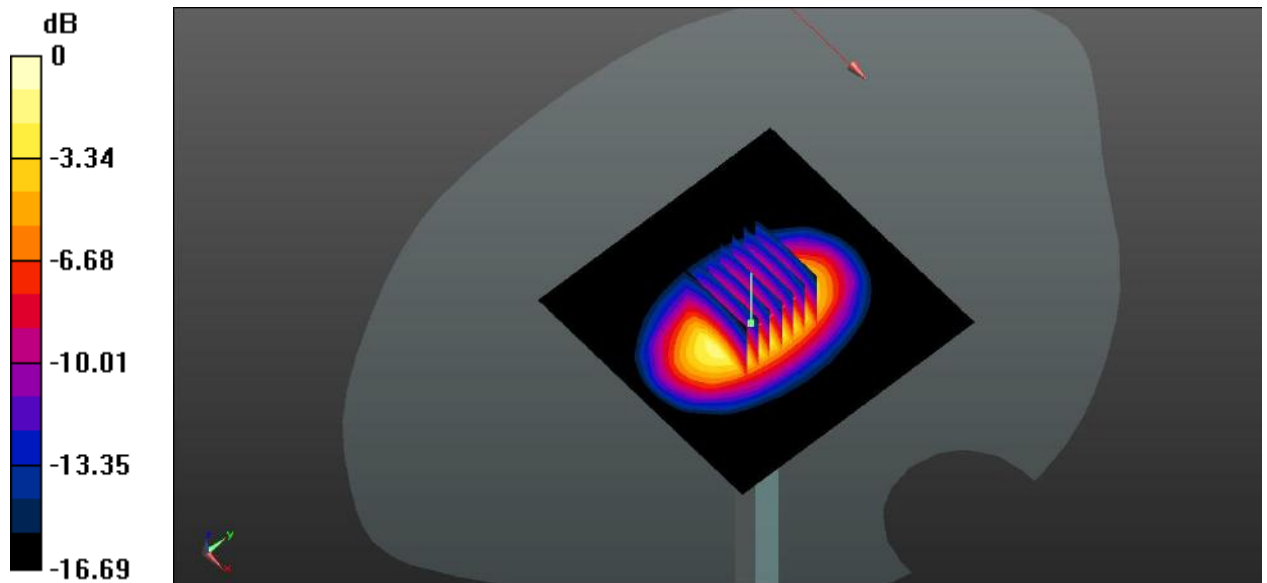
CW1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.81 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.04 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 2 W/kg

Maximum value of SAR (measured) = 4.30 W/kg



0 dB = 4.30 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.01.13

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 40.098$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.06 W/kg

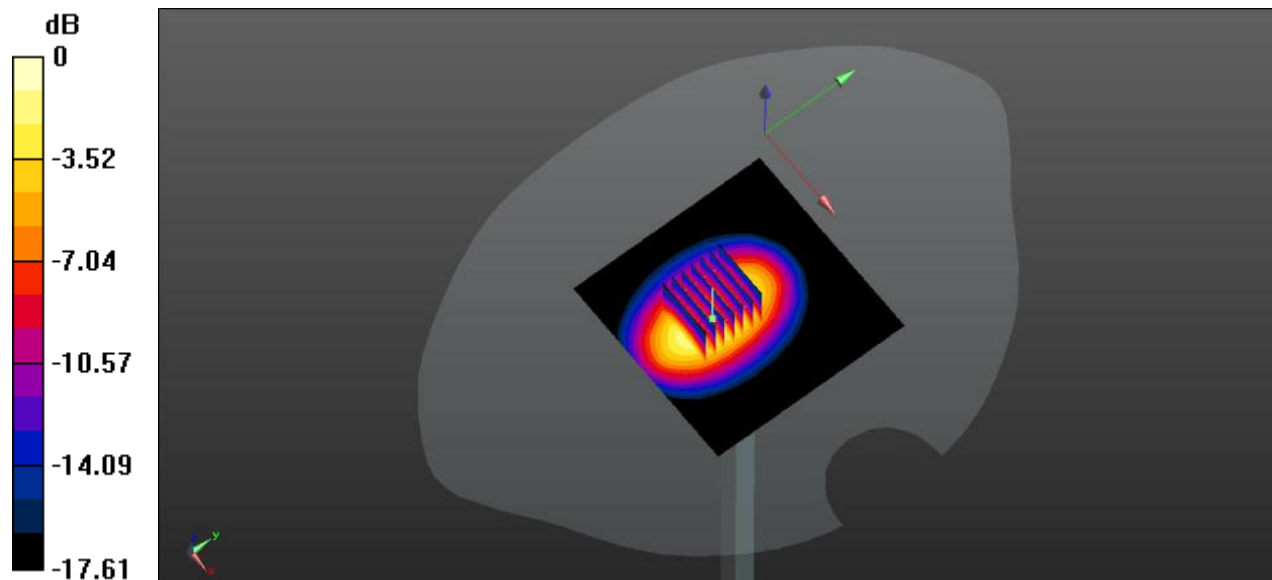
CW 1750 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 44.74 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.99 W/kg

SAR(1 g) = 3.69 W/kg; SAR(10 g) = 1.94 W/kg

Maximum value of SAR (measured) = 4.11 W/kg



0 dB = 4.11 W/kg

System Performance Check Data (1750MHz Head)

Date: 2022.01.05

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

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 40.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.1 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1750 100mW/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.21 W/kg

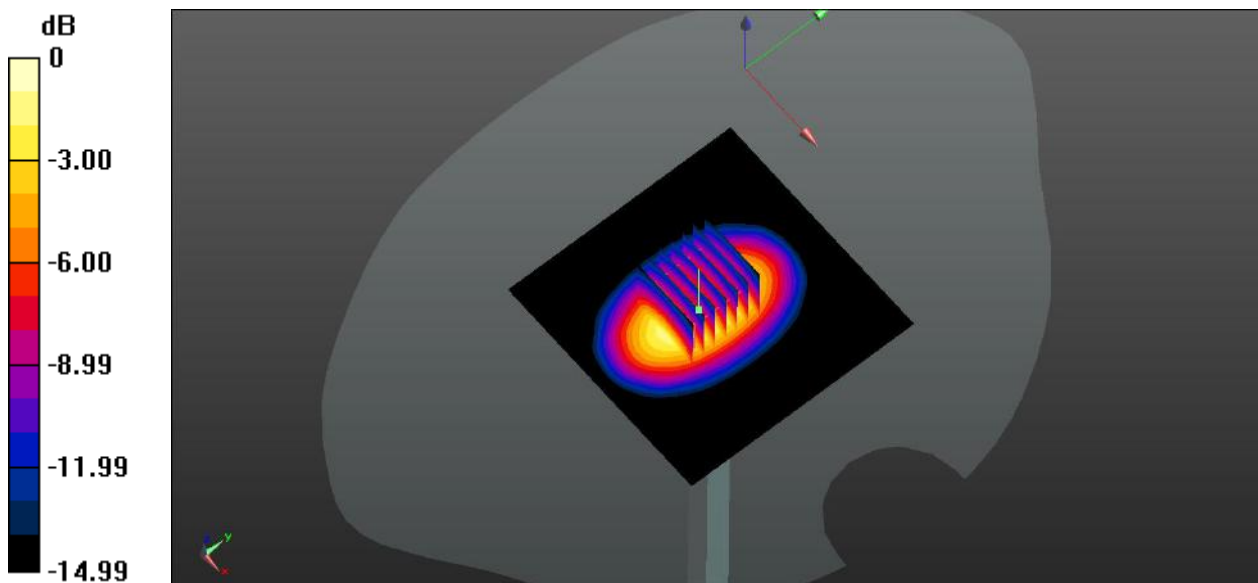
CW 1750 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.23 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.44 W/kg

SAR(1 g) = 3.56 W/kg; SAR(10 g) = 1.93 W/kg

Maximum value of SAR (measured) = 4.14 W/kg



0 dB = 4.14 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.01.01

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 on left 1859; Type: QD000P40CC; Serial: TP:1859
- 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) = 4.68 W/kg

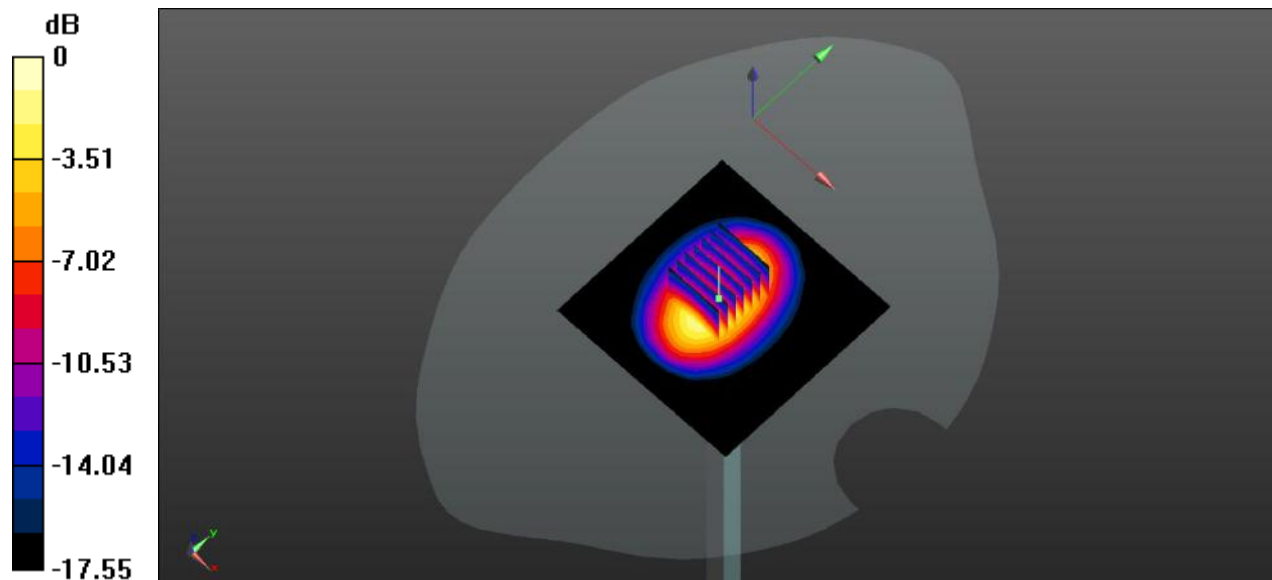
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.27V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 7.23 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.07 W/kg

Maximum value of SAR (measured) = 4.84 W/kg



0 dB = 4.84 W/kg

System Performance Check Data (1900MHz Head)

Date: 2022.01.15

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 40.008$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.8 Liquid Temperature: 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 1900 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.68 W/kg

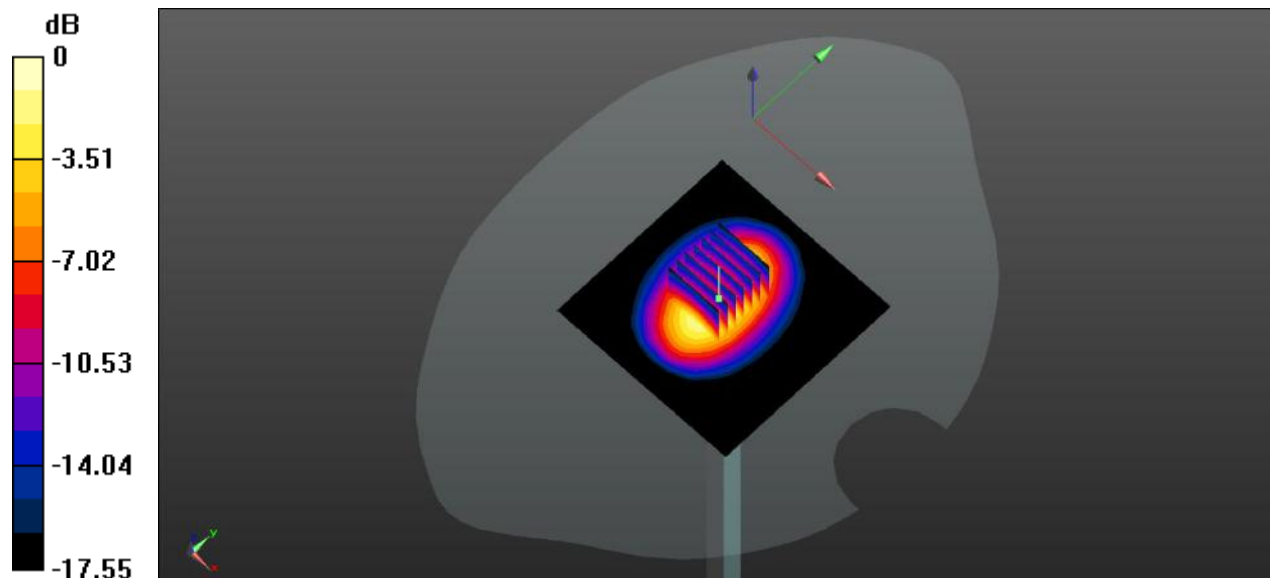
CW 1900 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.27V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 7.23 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.07 W/kg

Maximum value of SAR (measured) = 4.85 W/kg



0 dB = 4.85 W/kg

System Performance Check Data (2450MHz Head)

Date: 2022.01.08

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.801$ S/m; $\epsilon_r = 39.542$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.9 Liquid Temperature: 21.8

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

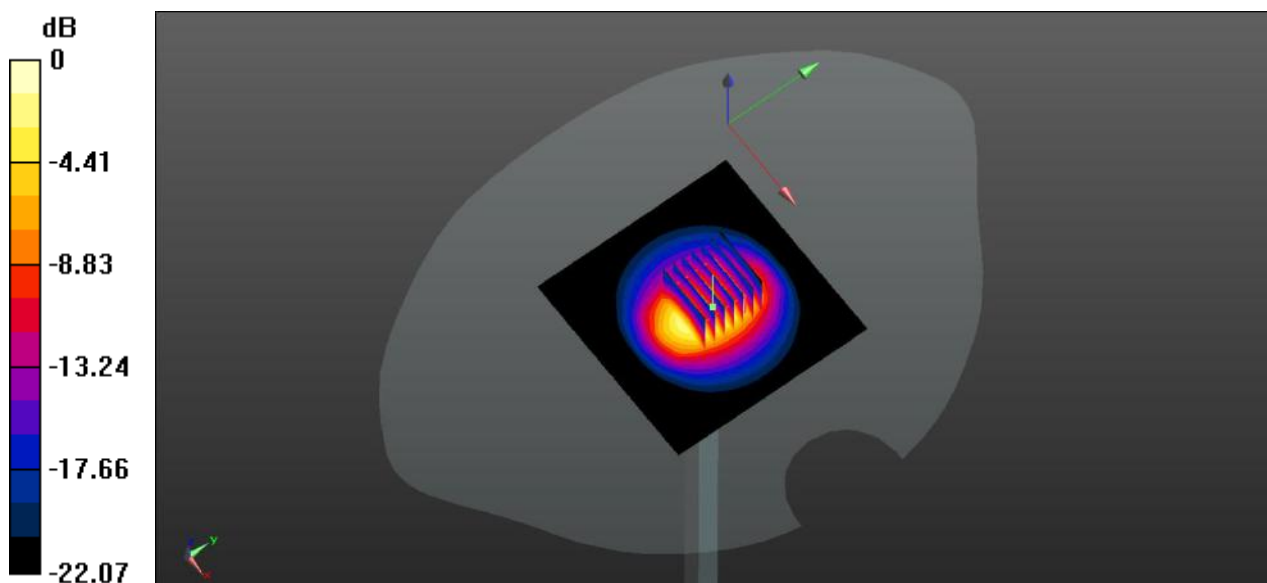
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.13 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.46 W/kg

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



0 dB = 6.25 W/kg

System Performance Check Data (2450MHz Head)

Date: 2022.02.21

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.795$ S/m; $\epsilon_r = 39.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

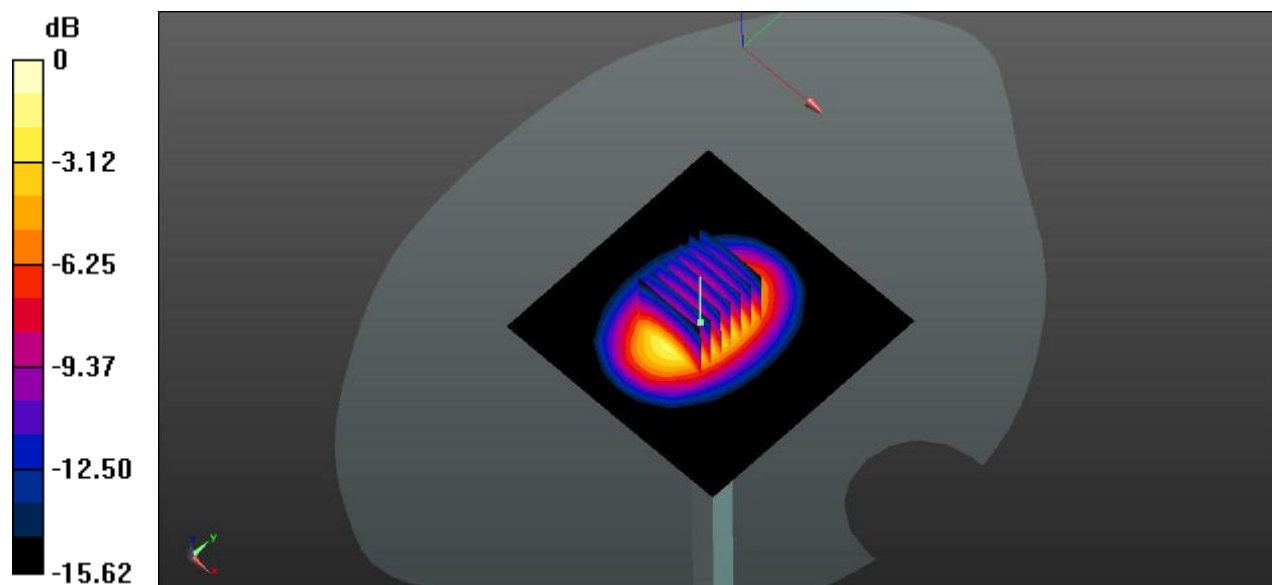
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.13 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.46 W/kg

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



0 dB = 6.25 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.09

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 38.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2 Liquid Temperature: 21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: 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) = 6.42 W/kg

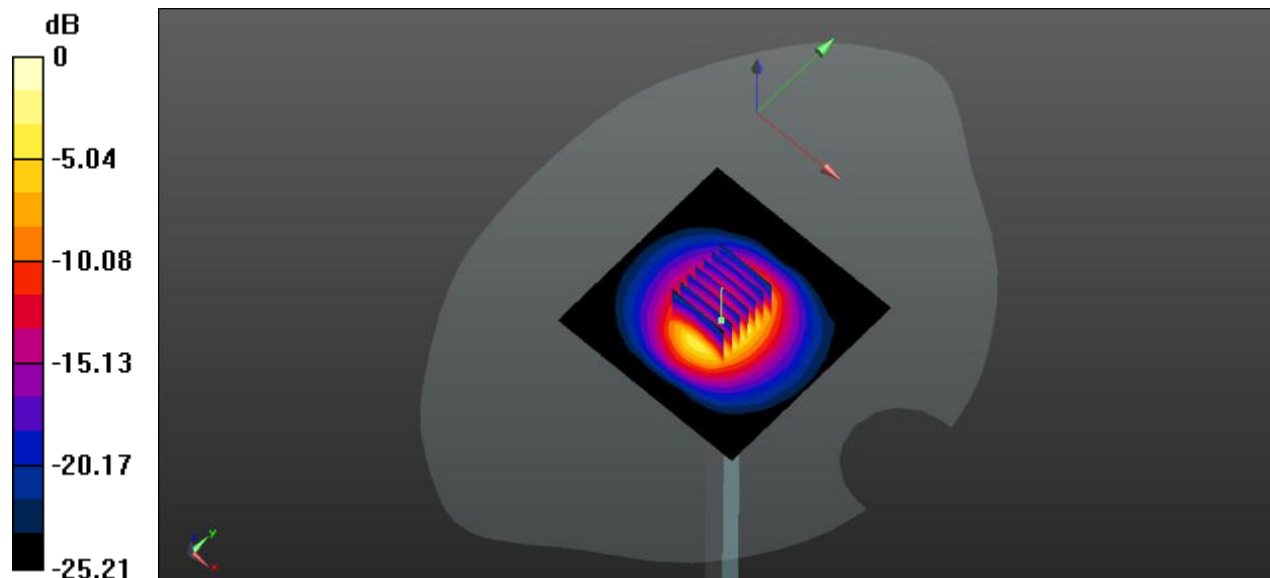
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.45 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 12.7 W/kg

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

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



0 dB = 6.41 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.17

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 38.367$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: 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) = 6.31 W/kg

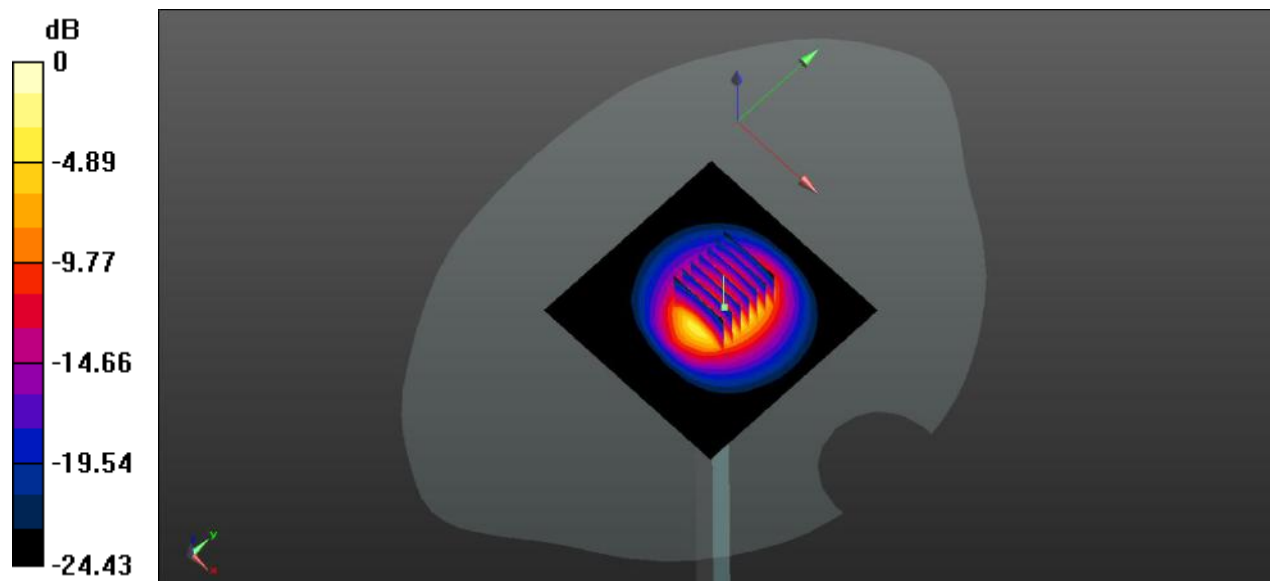
CW 2600 100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.06 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 11.31 W/kg

SAR(1 g) = 5.83 W/kg; SAR(10 g) = 2.52 W/kg

Maximum value of SAR (measured) = 6.36 W/kg



0 dB = 6.36 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.18

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.933$ S/m; $\epsilon_r = 37.803$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.5 Liquid Temperature: 21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: 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

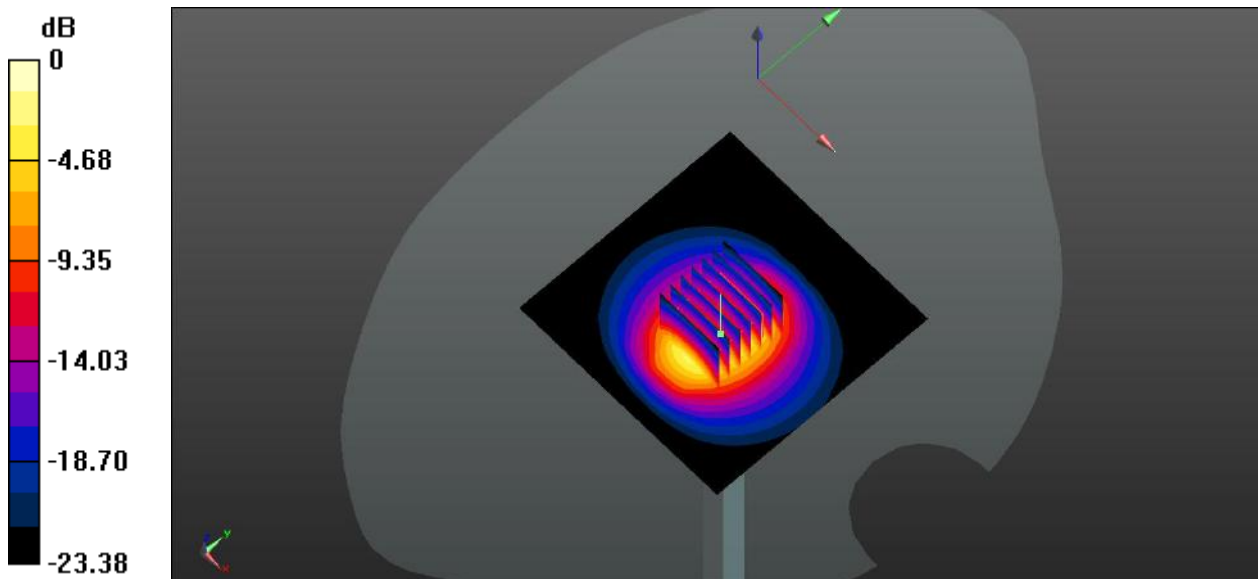
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.53 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 12.19 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 2.56 W/kg

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



0 dB = 6.43 W/kg

System Performance Check Data (2600MHz Head)

Date: 2022.01.19

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

Medium parameters used (extrapolated): $f = 2600$ MHz; $\sigma = 1.99$ S/m; $\epsilon_r = 38.208$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.7 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: 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) = 6.66 W/kg

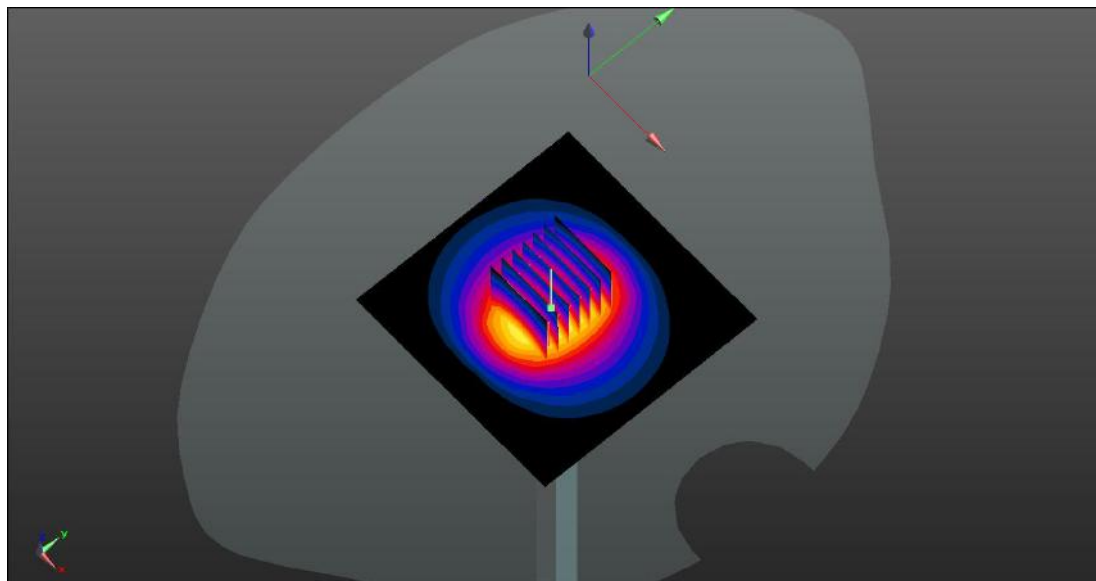
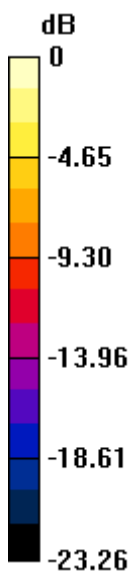
CW 2600 100mW /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.39 V/m; Power Drift = - 0.15 dB

Peak SAR (extrapolated) = 11.45 W/kg

SAR(1 g) = 5.79 W/kg; SAR(10 g) = 2.53 W/kg

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



0 dB = 6.58 W/kg

System Performance Check Data (5250MHz Head)

Date: 2022.01.20

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.715$ S/m; $\epsilon_r = 35.93$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(5.17, 5.17, 5.17); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: 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) = 8.14 W/kg

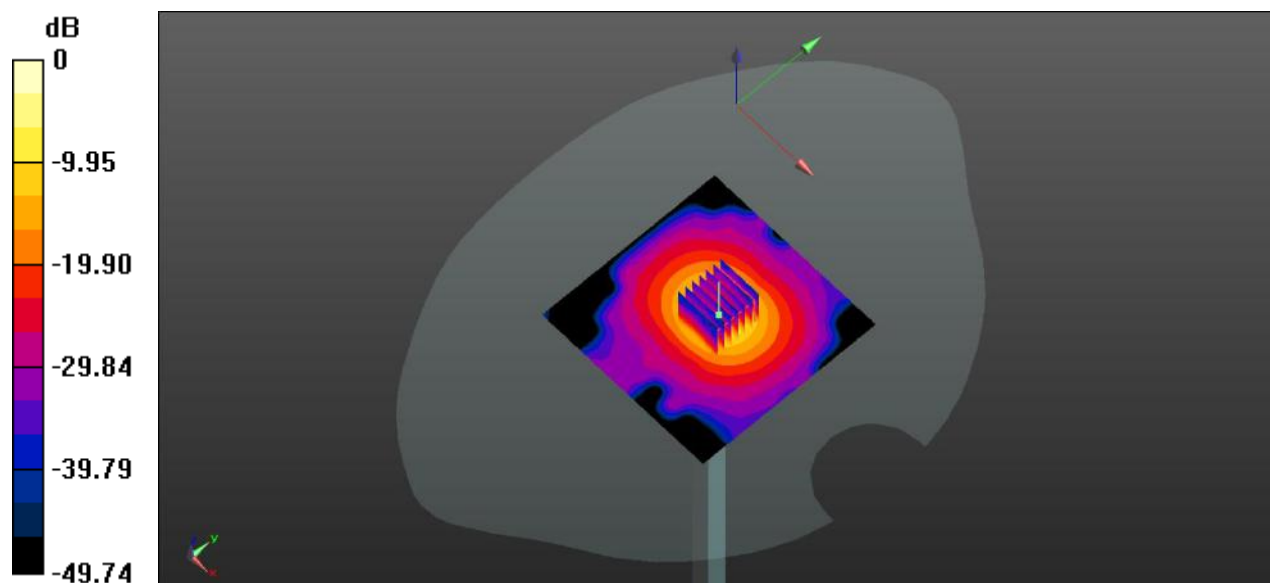
CW 5250 100mW/Zoom Scan (7x7x21)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 36.45 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 31.6 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



0 dB = 19.5 W/kg

System Performance Check Data (5600MHz Head)

Date: 2022.01.21

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.052$ S/m; $\epsilon_r = 35.251$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6 Liquid Temperature: 21.5

DASY5 Configuration:

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

CW 5600 100mW /Area Scan (81x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.13 W/kg

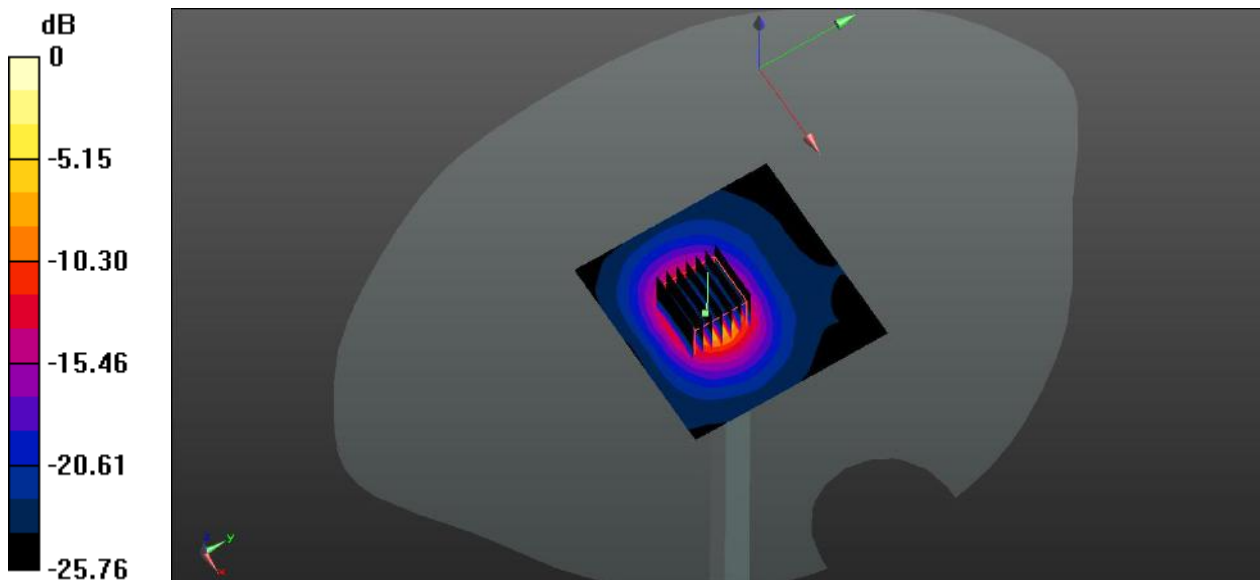
CW 5600 100mW /Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.76 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 38.23 W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



0 dB = 16.8 W/kg

System Performance Check Data (5750MHz Head)

Date: 2022.01.22

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.177$ S/m; $\epsilon_r = 35.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.4 Liquid Temperature: 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.76, 4.76, 4.76); Calibrated: 2021.06.07;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CC; Serial: 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) = 8.92 W/kg

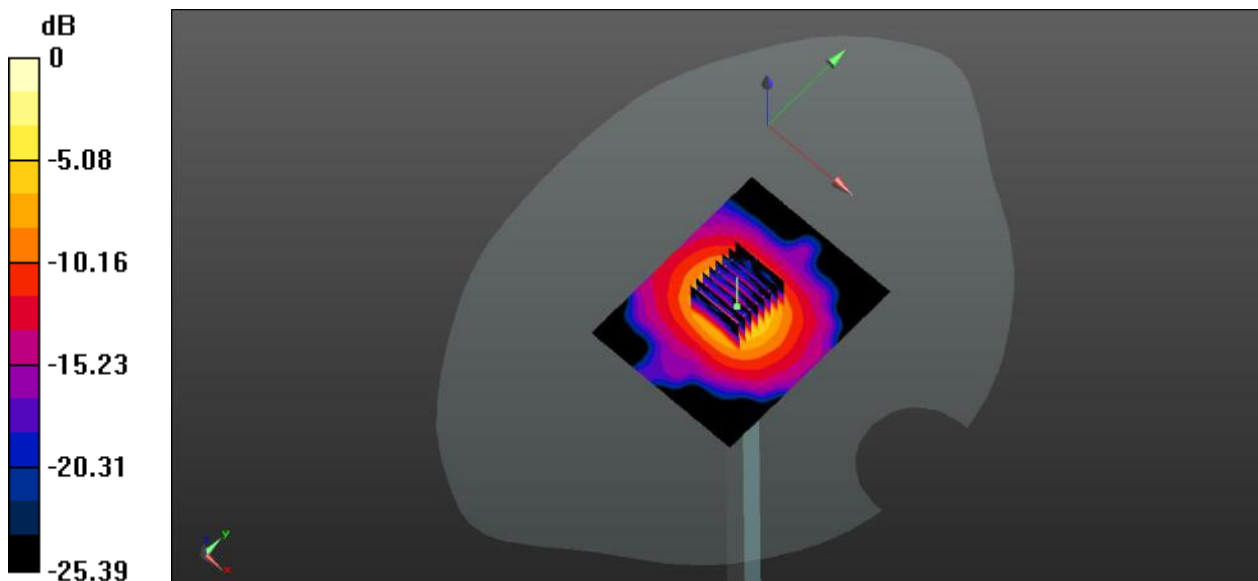
CW 5750 100mW/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.09 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 36.5 W/kg

SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.23 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 Low Channel in GSM850 3Slots mode with Antenna.1

Date: 2021.12.28

Communication System Band: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 42.128$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch128/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

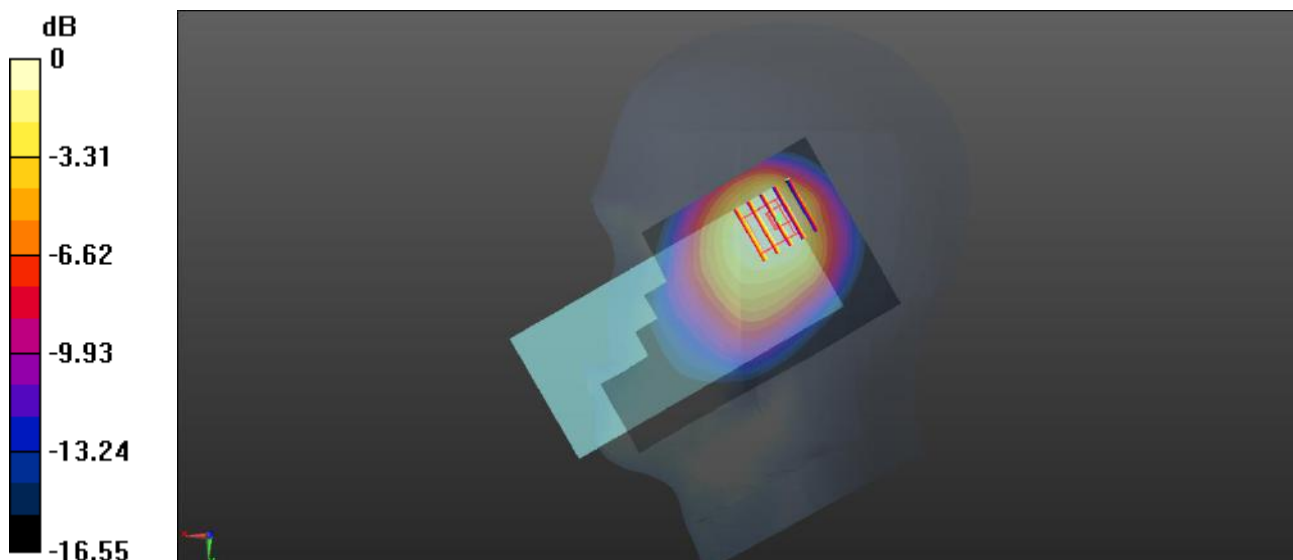
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.30 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.796 W/kg

SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.280 W/kg

Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.460 W/kg

Meas.2 Body Plane with Back side 15mm on High Channel in GSM850 3Slots mode with Antenna.0

Date: 2021.12.29

Communication System Band: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 41.51$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch251/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

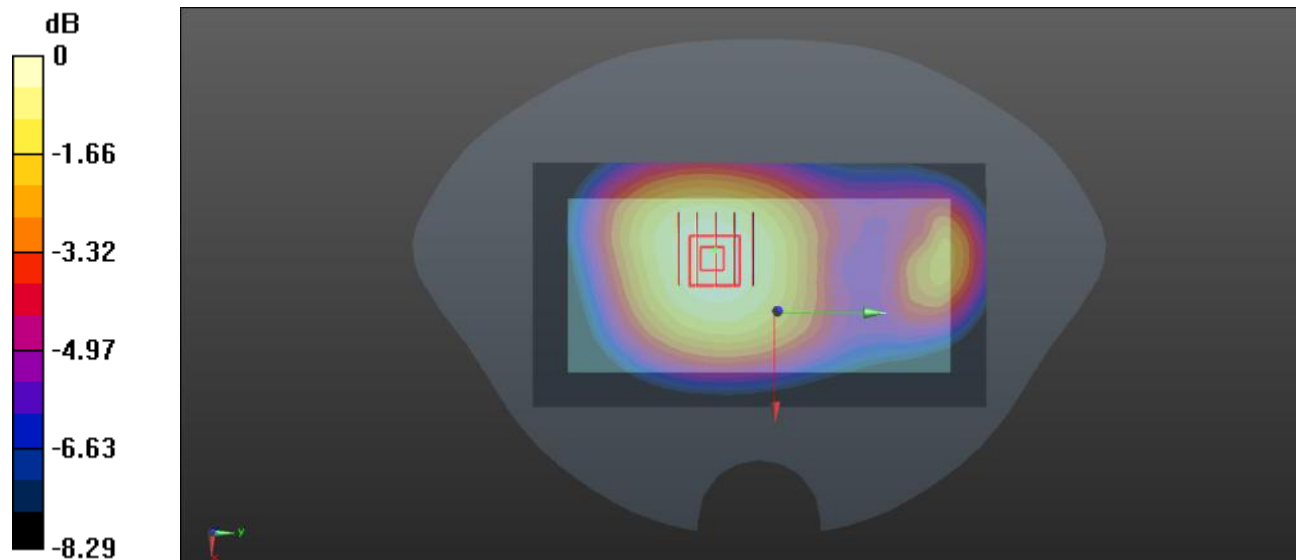
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.30 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg

Meas.3 Body Plane with Back side 10mm on Middle Channel in GSM850 3Slots mode with Antenna.1

Date: 2021.12.29

Communication System Band: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.84$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.329 W/kg

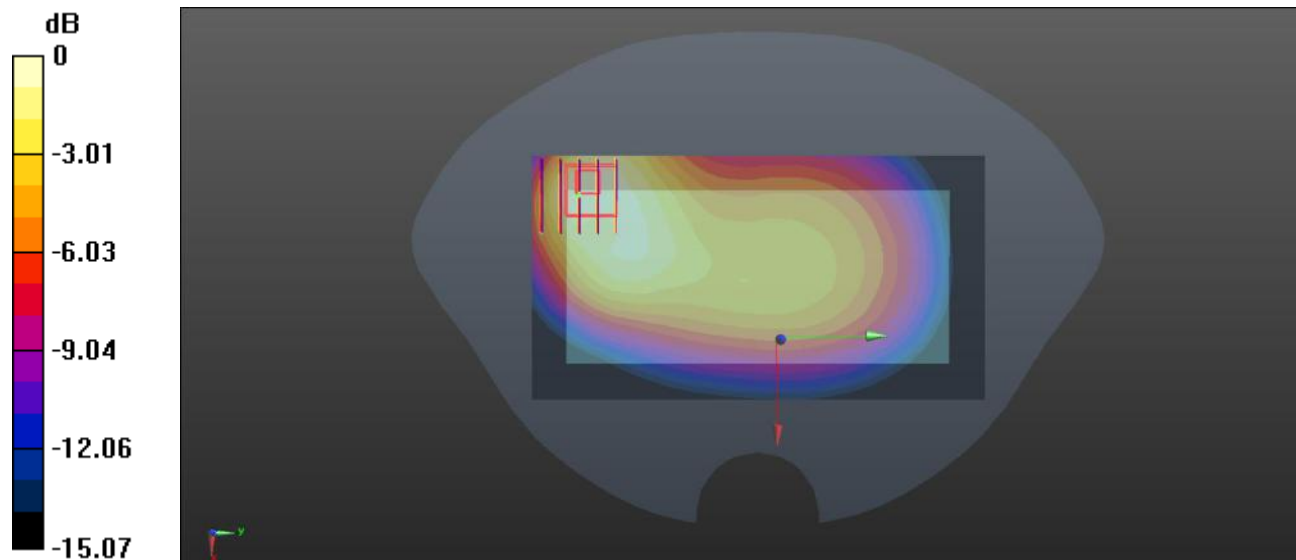
Configuration/Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.66 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.478 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.170 W/kg

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



0 dB = 0.296 W/kg

Meas.4 Right Head with Tilt on High Channel in GSM1900 2Slots mode with Antenna.1

Date: 2022.01.15

Communication System Band: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1909.8 \text{ MHz}$; $\sigma = 1.404 \text{ S/m}$; $\epsilon_r = 39.823$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.475 W/kg

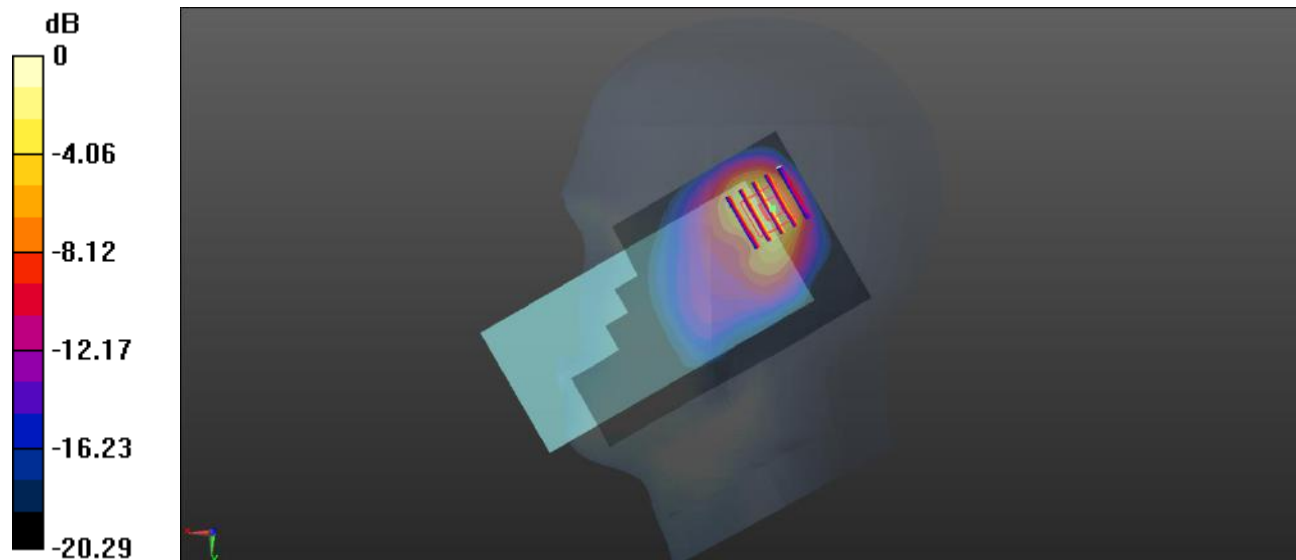
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.87 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.929 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 0.546 W/kg



0 dB = 0.546 W/kg

Meas.5 Body Plane with Back side 15mm on High Channel in GSM1900 2Slots mode with Antenna.1

Date: 2022.01.15

Communication System Band: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1909.8 \text{ MHz}$; $\sigma = 1.404 \text{ S/m}$; $\epsilon_r = 39.823$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

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

Ch810/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.279 W/kg

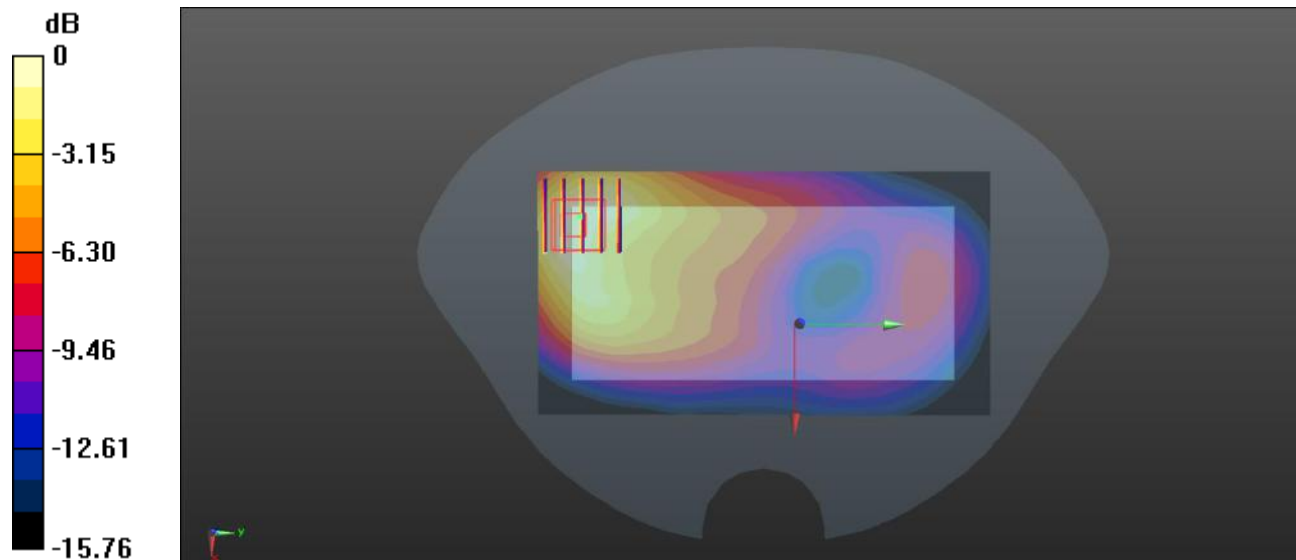
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.125 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.271 W/kg



0 dB = 0.271 W/kg

Meas.6 Body Plane with Top Edge 10mm on Middle Channel in GSM1900 2Slots mode with Antenna.1

Date: 2022.01.15

Communication System Band: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.1

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.404$ S/m; $\epsilon_r = 39.823$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.808 W/kg

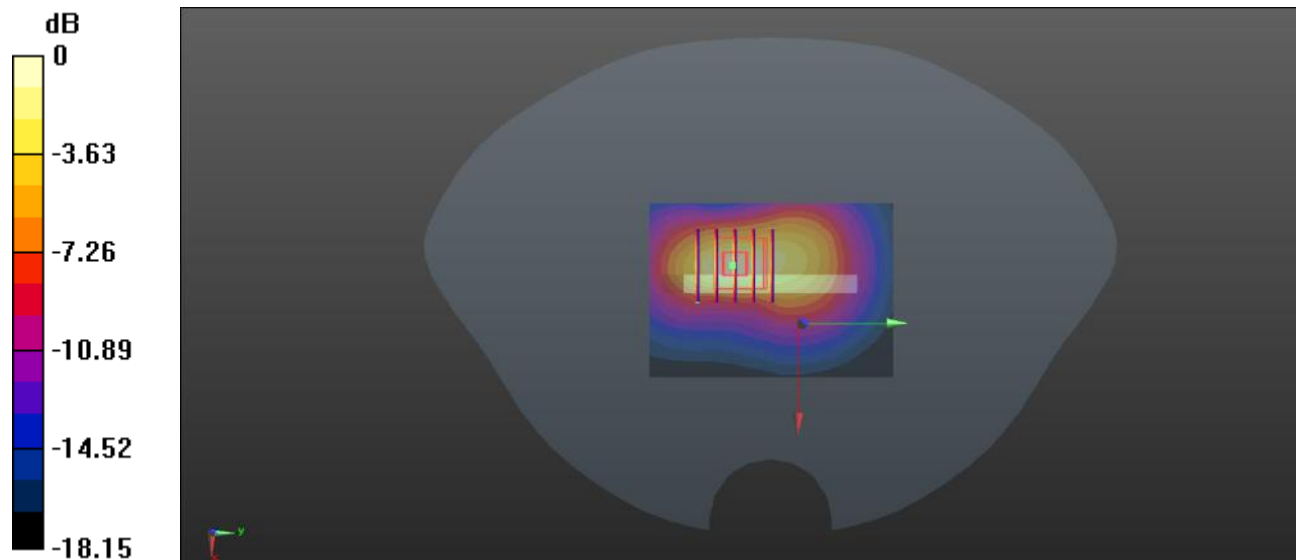
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.94 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.769 W/kg; SAR(10 g) = 0.378 W/kg

Maximum value of SAR (measured) = 0.893 W/kg



0 dB = 0.893 W/kg

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

Date: 2022.01.15

Communication System Band: BAND 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.403$ S/m; $\epsilon_r = 39.88$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.63, 7.63, 7.63); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated:2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 1.07 W/kg

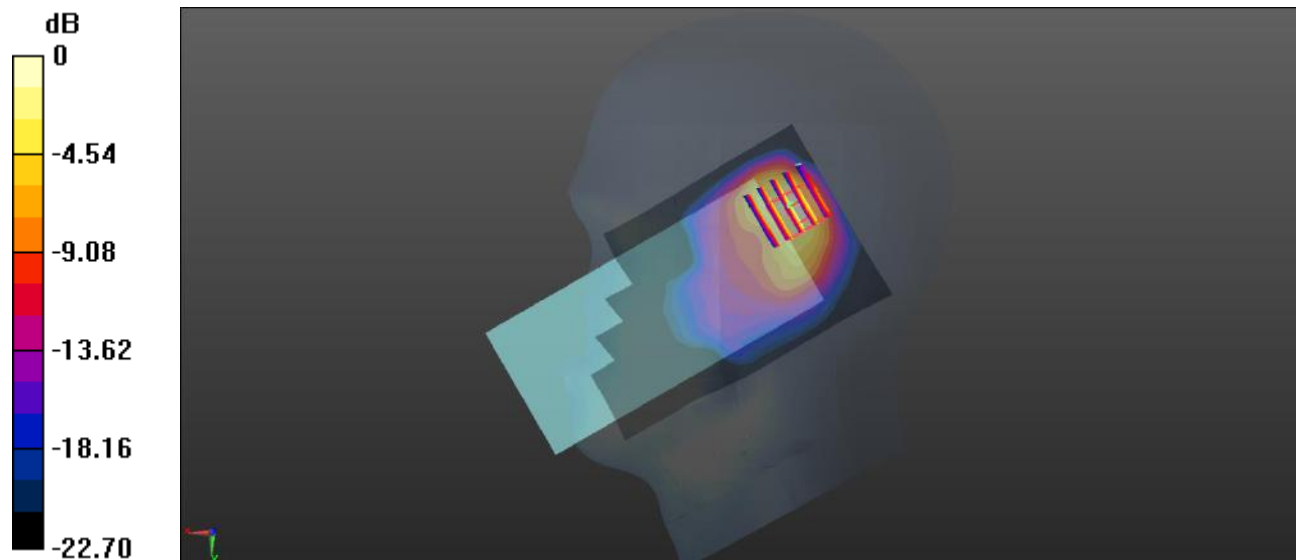
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.51 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.288 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg

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

Date: 2022.01.15

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 40.272$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

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

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

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

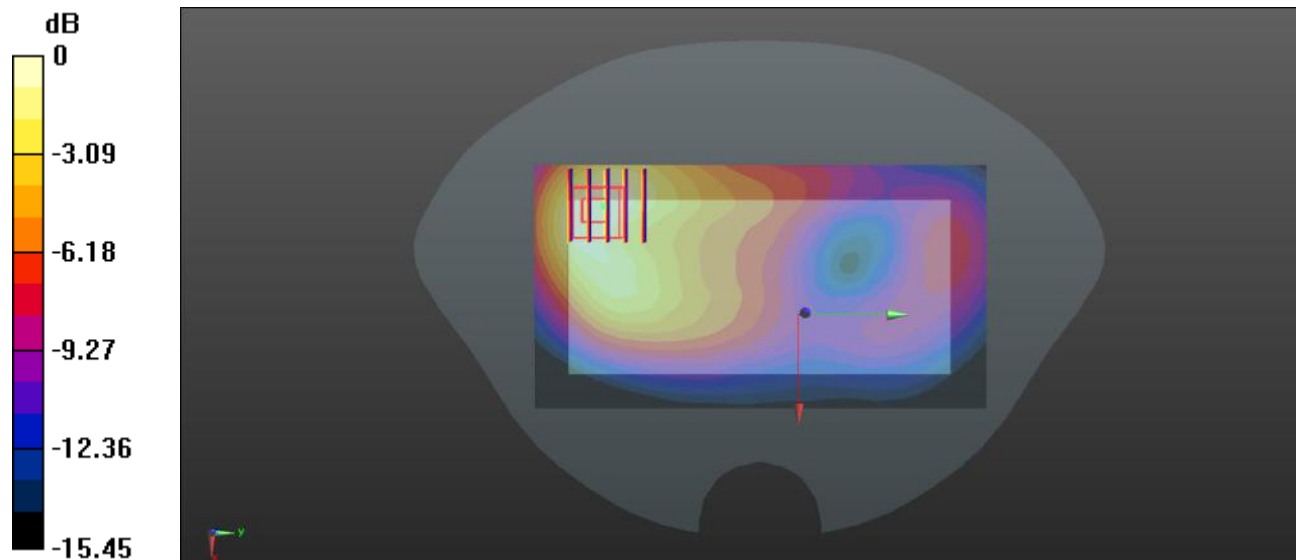
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.041 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.514 W/kg

SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (measured) = 0.331 W/kg



0 dB = 0.331 W/kg

Meas.9 Body Plane with Top Edge 10mm on High Channel in WCDMA Band2 mode with Antenna.1

Date: 2022.01.15

Communication System Band: BAND 2; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.403$ S/m; $\epsilon_r = 39.88$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

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

Ch9538/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.780 W/kg

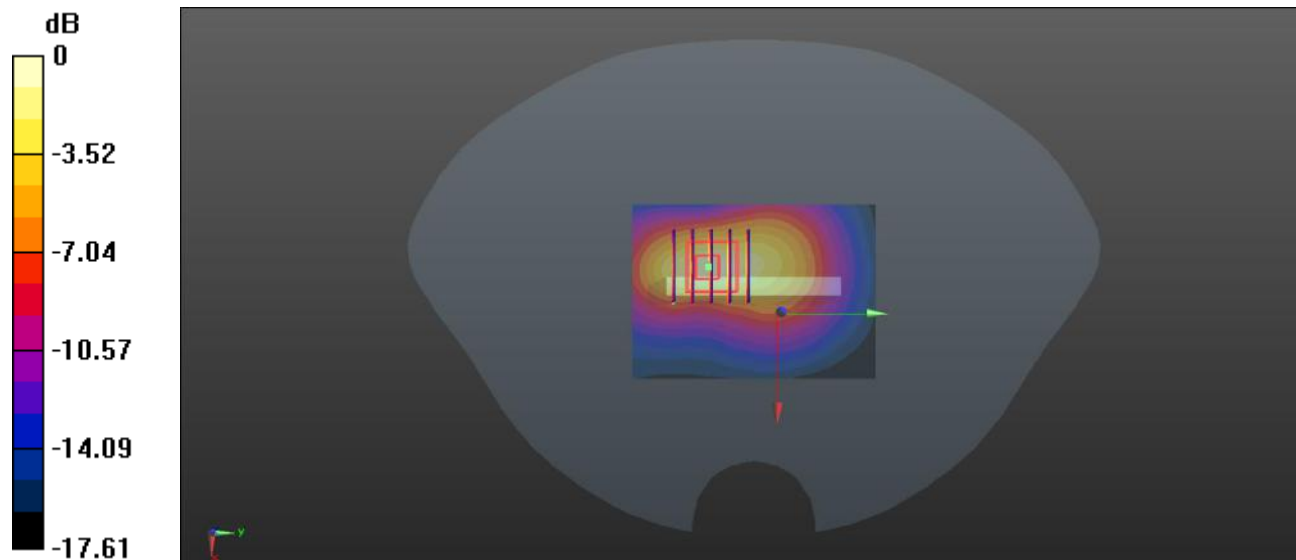
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.60 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.674 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 0.799 W/kg



0 dB = 0.799 W/kg

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

Date: 2022.01.05

Communication System Band: BAND 4; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 40.087$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch1513/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.936 W/kg

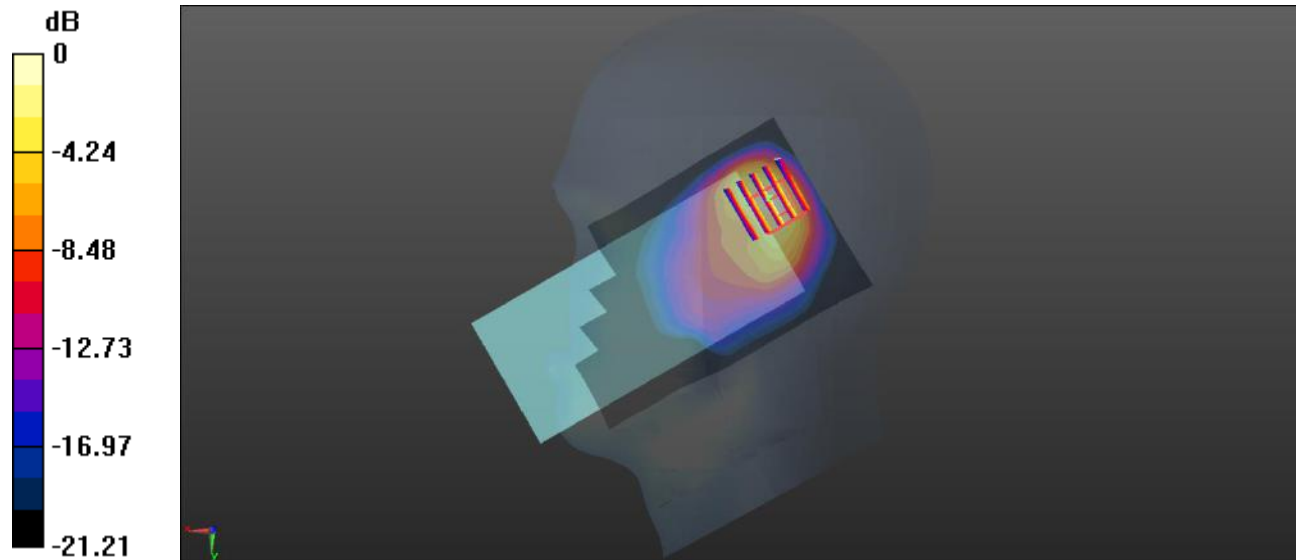
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.08 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.917 W/kg; SAR(10 g) = 0.436 W/kg

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



0 dB = 1.02 W/kg

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

Date: 2022.01.05

Communication System Band: BAND 4; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.558$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.208 W/kg

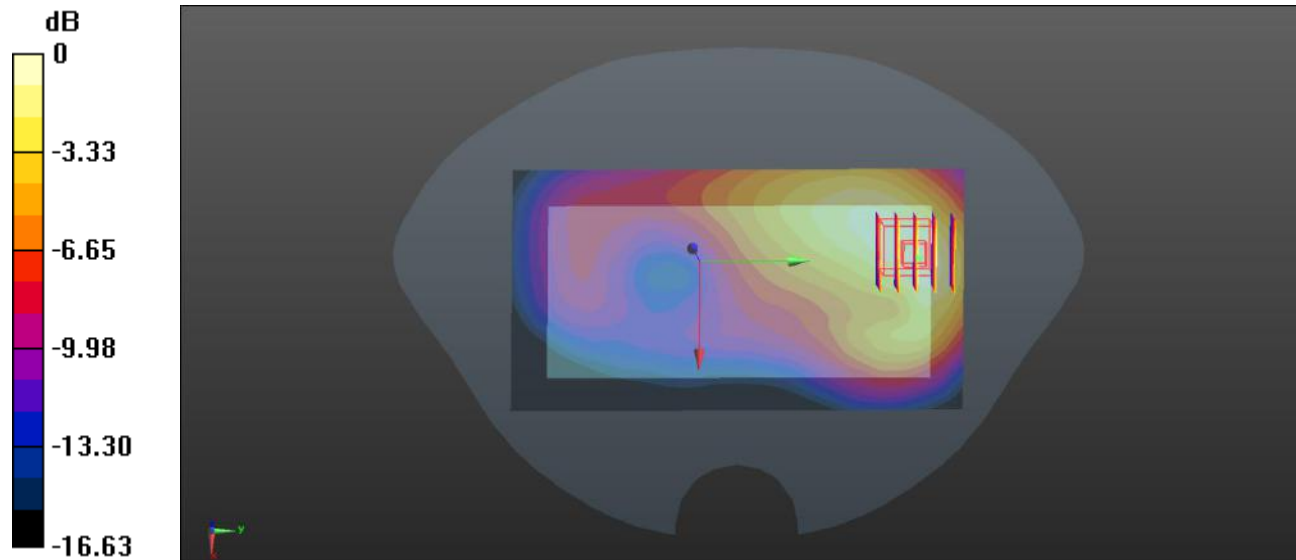
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.419 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.211 W/kg



0 dB = 0.211 W/kg

Meas.12 Body Plane with Top Edge 10mm on High Channel in WCDMA Band4 mode with Antenna.1

Date: 2022.01.05

Communication System Band: BAND 4; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 40.087$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch1513/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.642 W/kg

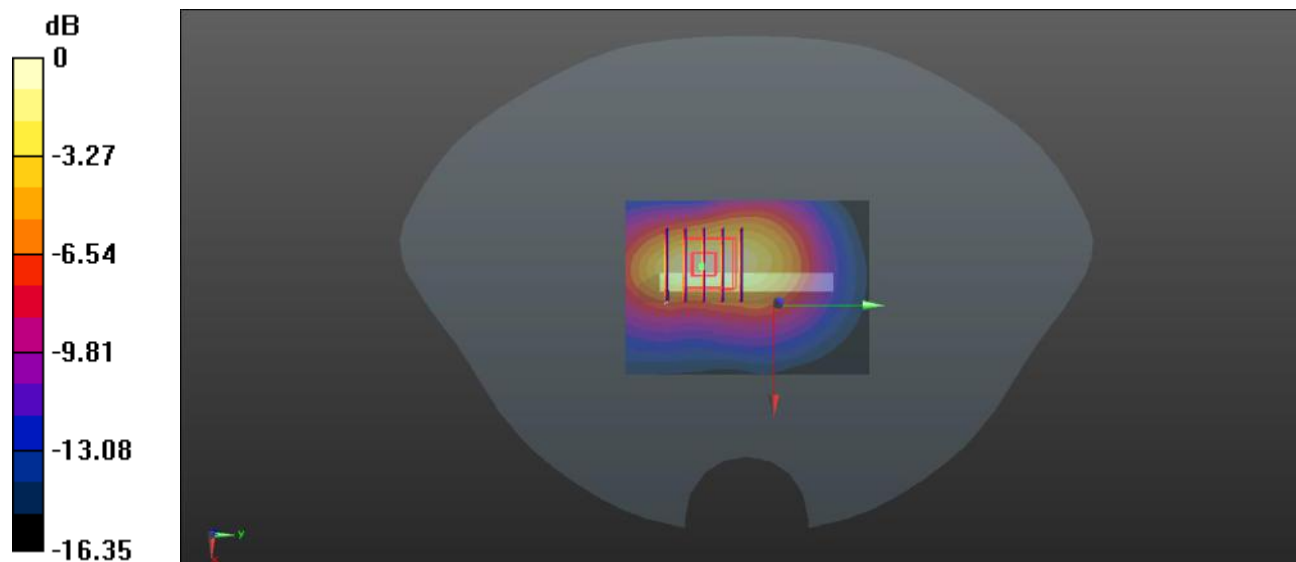
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.16 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.307 W/kg.

Maximum value of SAR (measured) = 0.655 W/kg



0 dB = 0.655 W/kg

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

Date: 2021.12.28

Communication System Band: BAND 5; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.84$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.708 W/kg

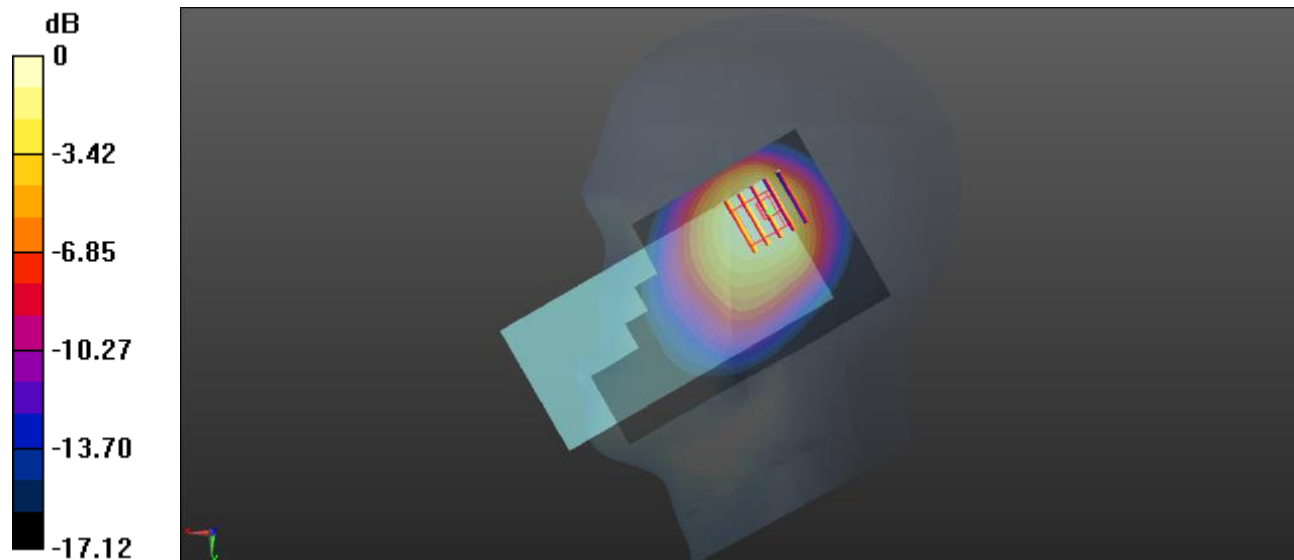
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.17 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.350 W/kg

Maximum value of SAR (measured) = 0.586 W/kg



0 dB = 0.586 W/kg

Meas.14 Body Plane with Back side 15mm on Middle Channel in WCDMA Band5 mode with Antenna.0

Date: 2021.12.29

Communication System Band: BAND 5; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.597$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch4233/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.109 W/kg

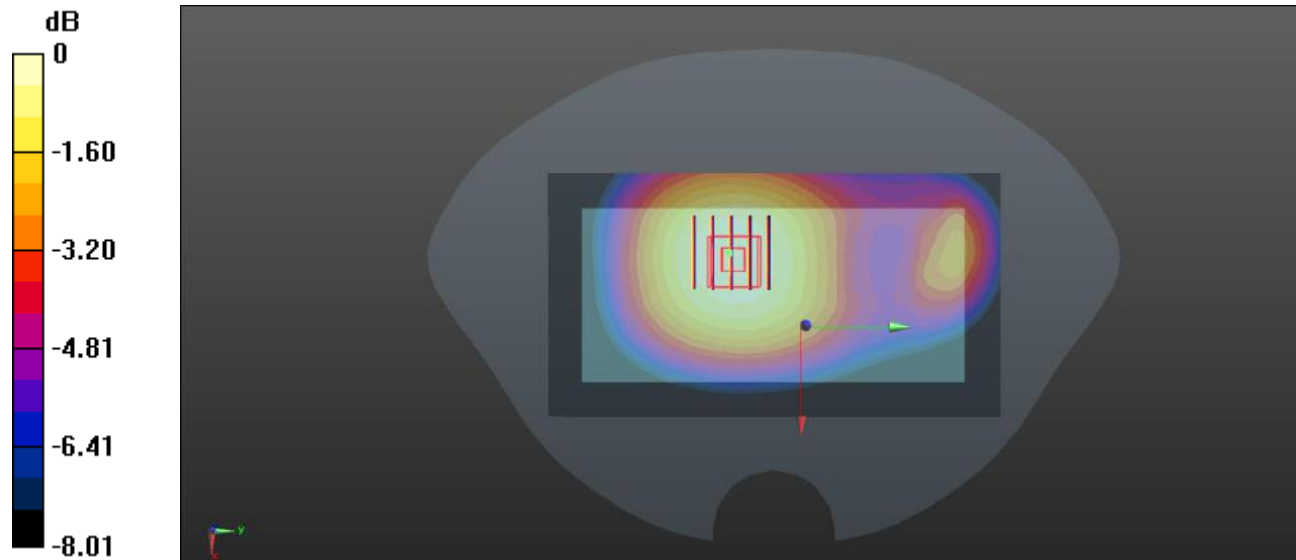
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.09 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.108 W/kg



0 dB = 0.108 W/kg

Meas.15 Body Plane with Back side 10mm on Middle Channel in WCDMA Band5 mode with Antenna.0

Date: 2021.12.29

Communication System Band: BAND 5; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.597$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch4233/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.134 W/kg

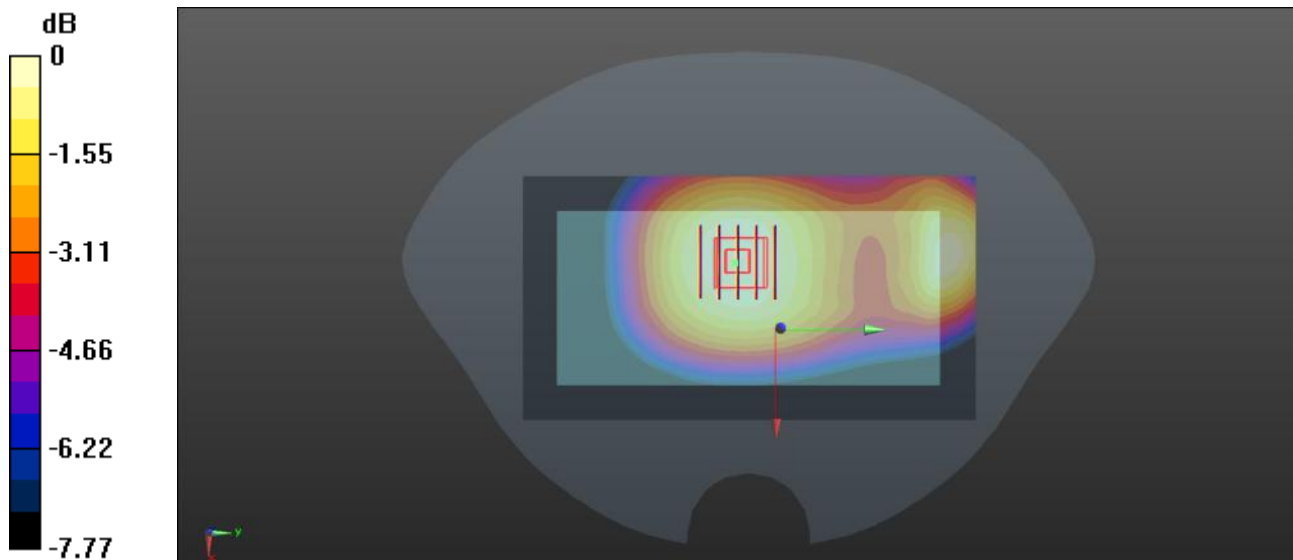
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.66 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.098 W/kg

Maximum value of SAR (measured) = 0.134 W/kg



0 dB = 0.134 W/kg

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

Date: 2022.01.15

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 40.272$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

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

Ch18900/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.818 W/kg

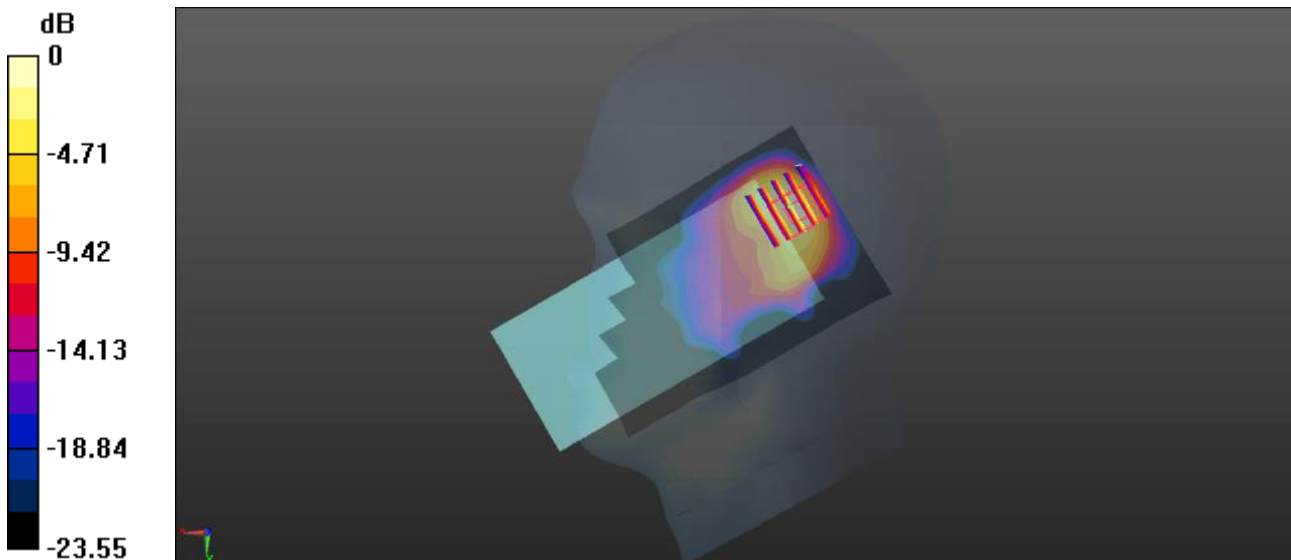
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.91 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.345 W/kg

Maximum value of SAR (measured) = 0.890 W/kg



0 dB = 0.890 W/kg

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

Date: 2022.01.15

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 40.272$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

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

Ch18900/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

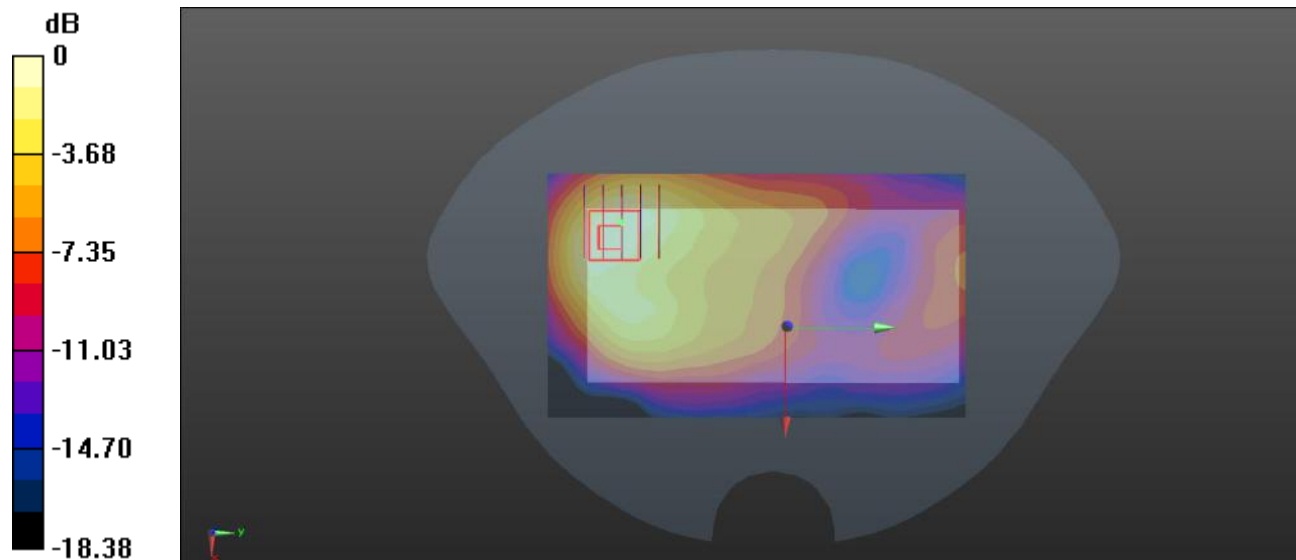
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.358 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.514 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.181 W/kg

Maximum value of SAR (measured) = 0.334 W/kg



0 dB = 0.334 W/kg

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

Date: 2022.01.15

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

Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 40.272$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.8 Liquid Temperature:21.9

DASY5 Configuration:

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

Ch18900/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.680 W/kg

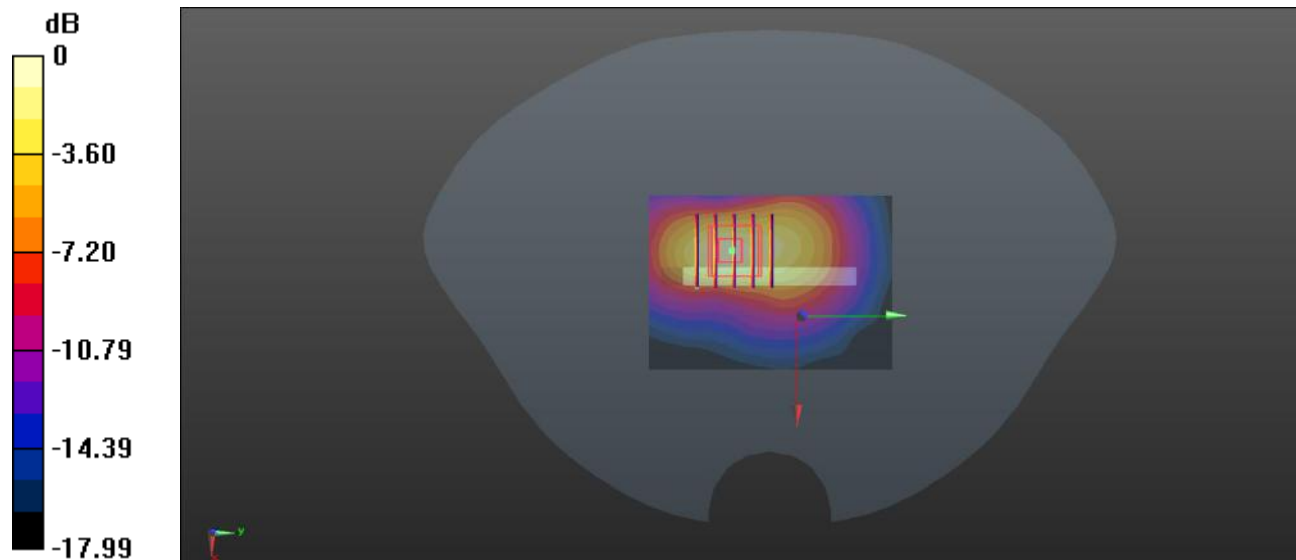
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.02 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.336 W/kg

Maximum value of SAR (measured) = 0.762 W/kg



0 dB = 0.762 W/kg

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

Date: 2022.01.05

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

Medium parameters used (interpolated): $f = 1720$ MHz; $\sigma = 1.356$ S/m; $\epsilon_r = 40.392$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.8, 7.8, 7.8); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated:2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20050/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

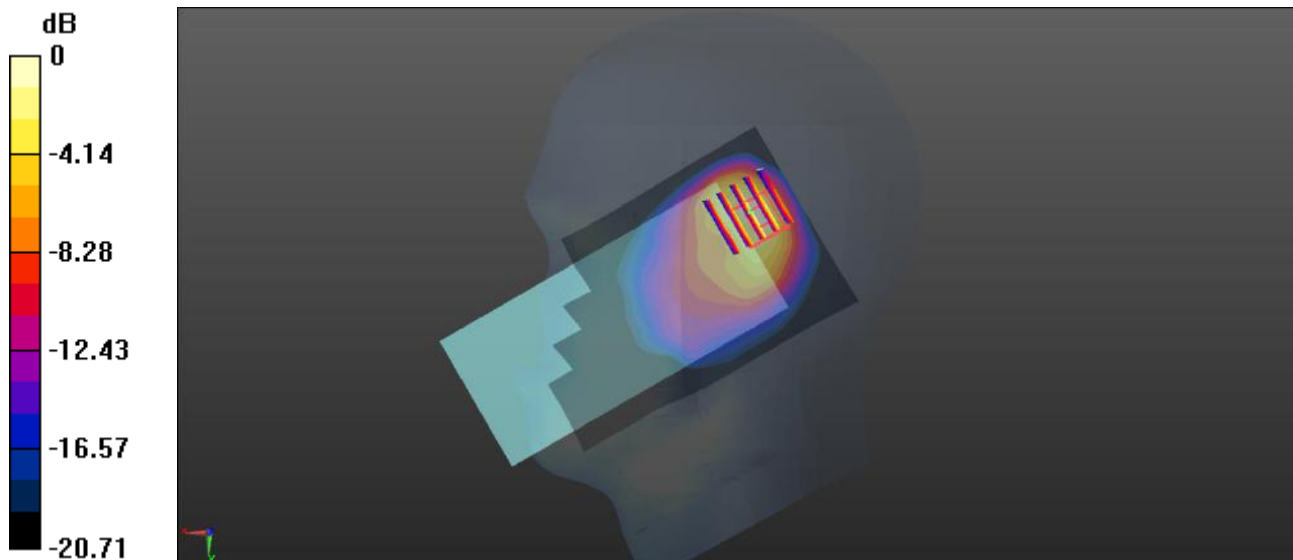
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.15 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.832 W/kg; SAR(10 g) = 0.398 W/kg

Maximum value of SAR (measured) = 0.943 W/kg



0 dB = 0.943 W/kg

Meas.20 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna.1

Date: 2022.01.05

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 40.392$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.386 W/kg

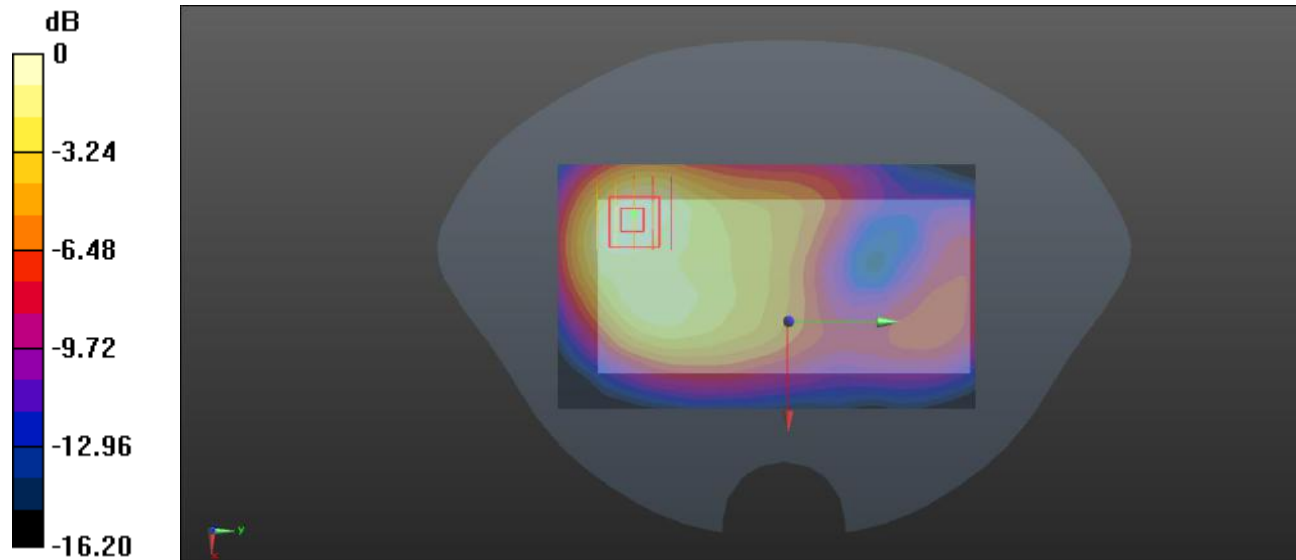
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.539 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.581 W/kg

SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.385 W/kg

Meas.21 Body Plane with Top Edge 10mm on Middle Channel in LTE Band4 mode with Antenna.1

Date: 2022.01.05

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

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 40.392$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.1 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch20175/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.778 W/kg

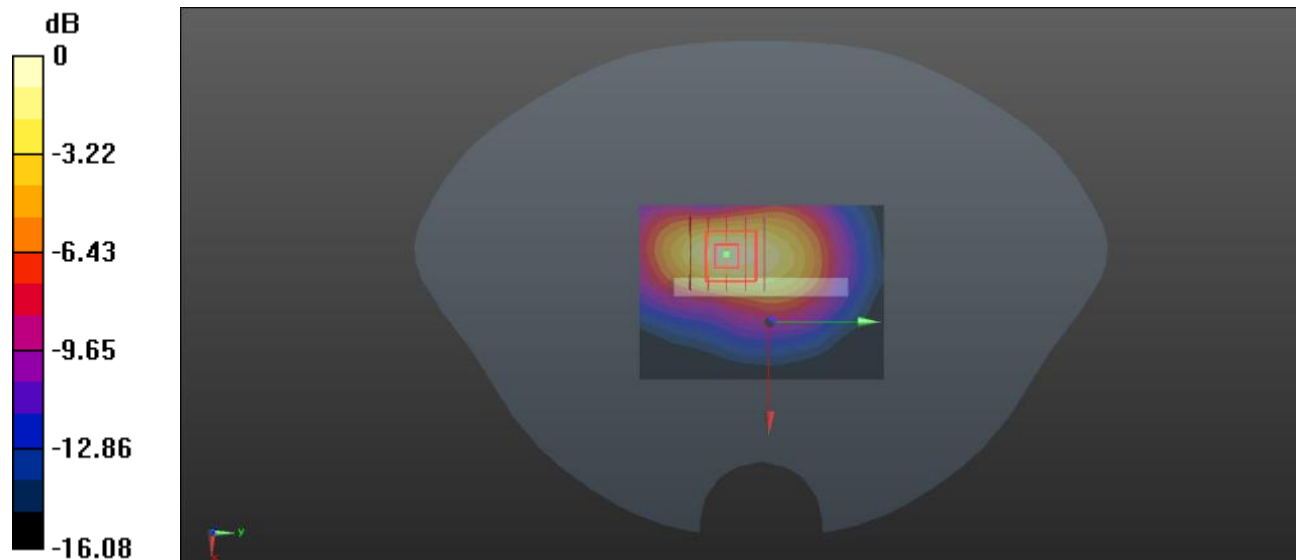
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.70 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.715 W/kg; SAR(10 g) = 0.39 W/kg

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



0 dB = 0.862 W/kg

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

Date: 2021.12.29

Communication System Band: BAND 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.84$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.366 W/kg

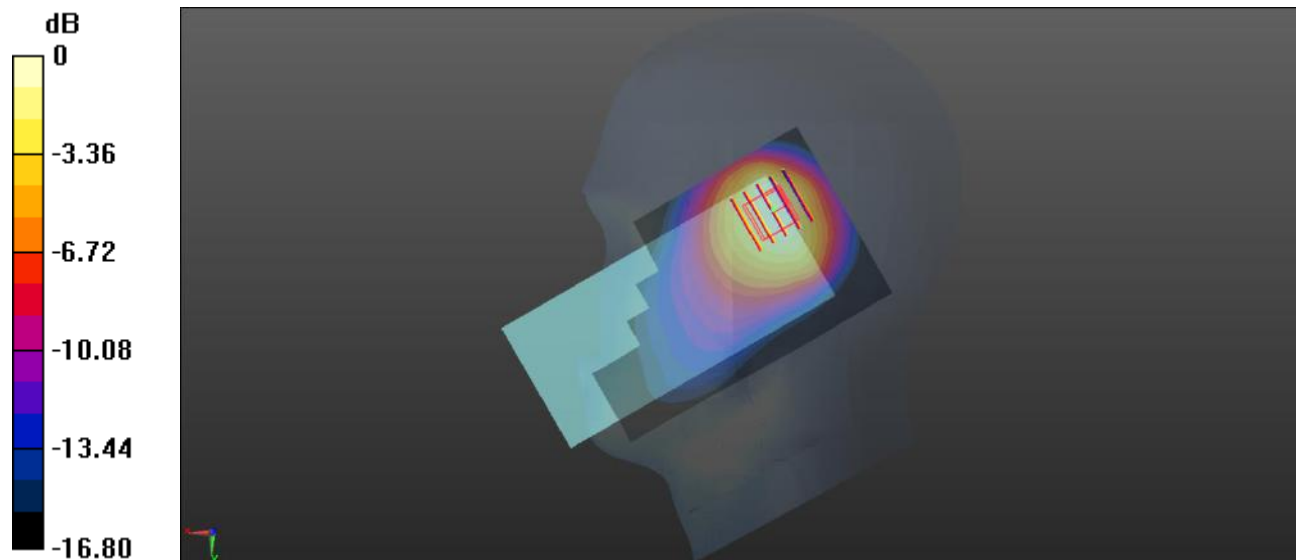
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.73 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.686 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.318 W/kg



0 dB = 0.318 W/kg

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

Date: 2021.12.29

Communication System Band: BAND 5; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.84$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.149 W/kg

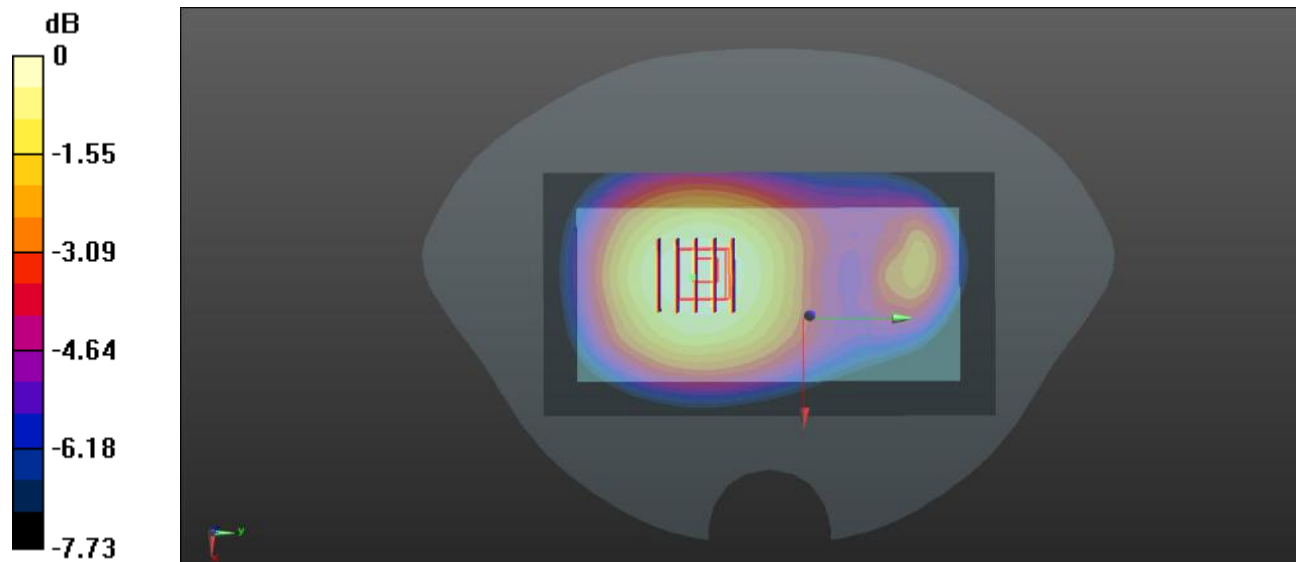
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.51 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.107 W/kg

Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.147 W/kg

Meas.24 Body Plane with Back side 10mm on Middle Channel in LTE Band5 mode with Antenna.0

Date: 2021.12.29

Communication System Band: BAND 5; Frequency: 836.5 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.84$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.5 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch20525/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.238 W/kg

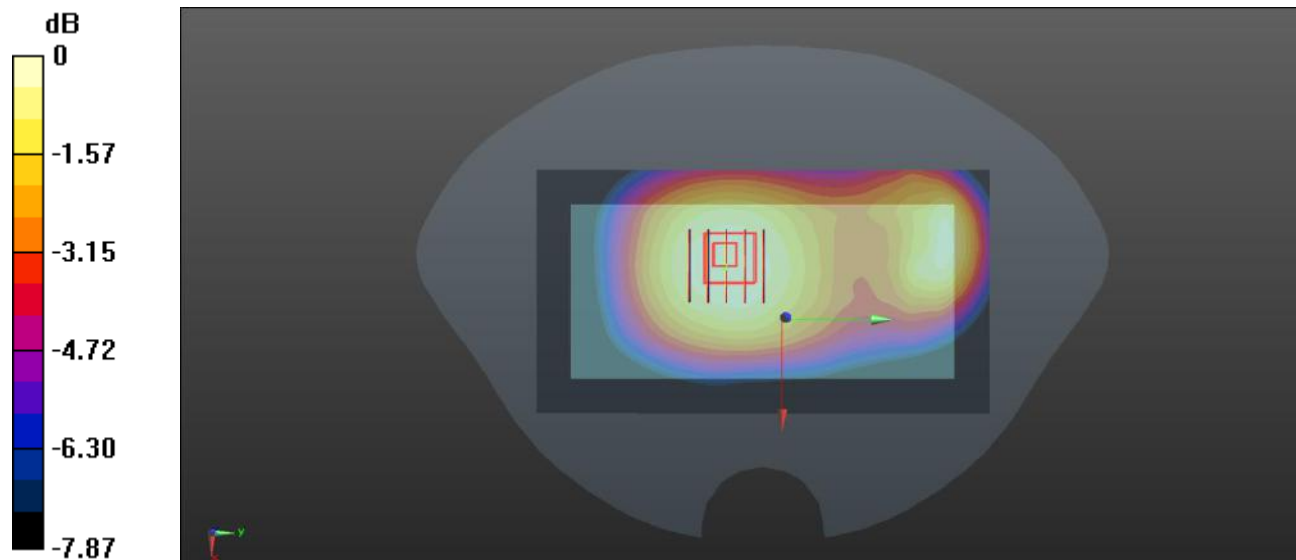
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.07 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.174 W/kg

Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg

Meas.25 Right Head with Tilt on Middle Channel in LTE Band7 mode with Antenna.1

Date: 2022.01.09

Communication System Band: BAND 7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.873$ S/m; $\epsilon_r = 39.29$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.447 W/kg

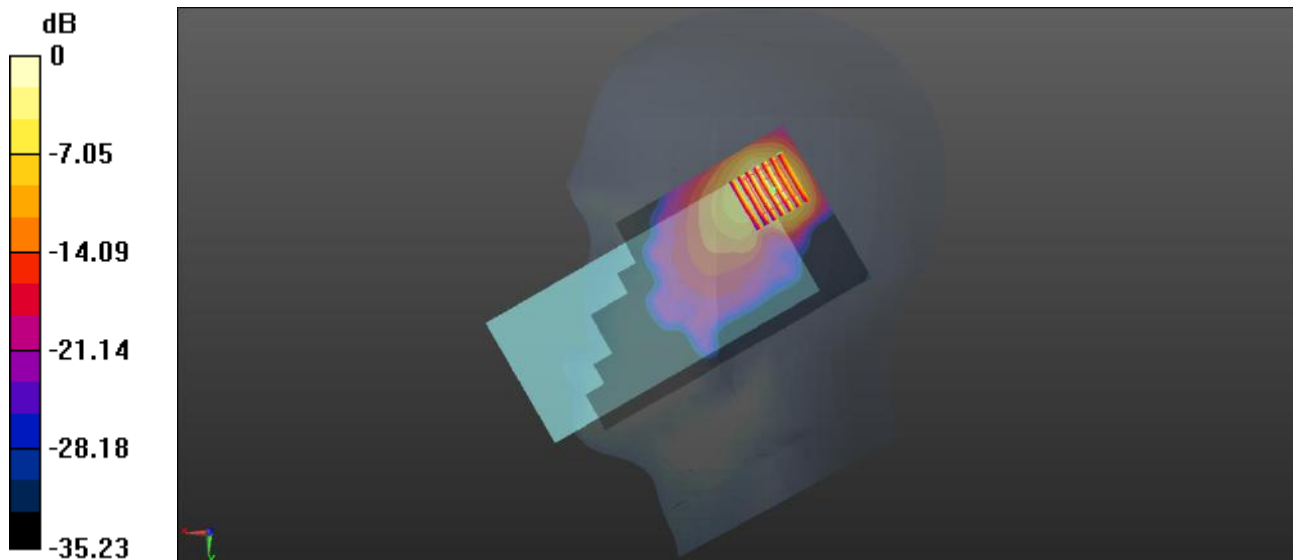
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.534 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg

Meas.26 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna.0

Date: 2022.01.09

Communication System Band: BAND 7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.873$ S/m; $\epsilon_r = 39.29$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch21100/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.308 W/kg

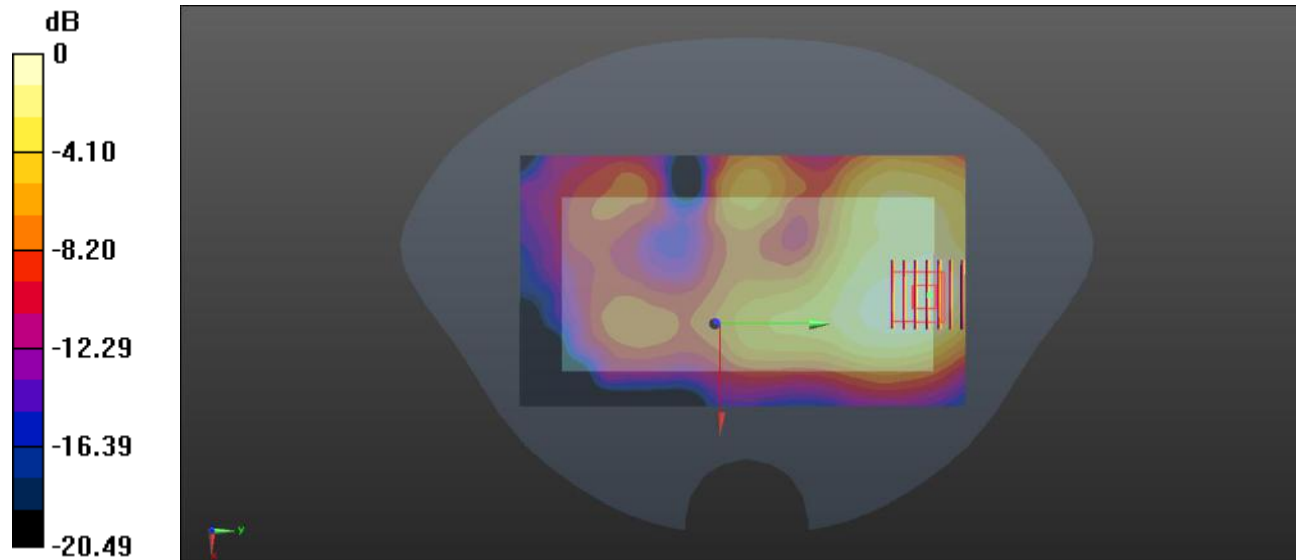
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.989 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.161 W/kg

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



0 dB = 0.303 W/kg

Meas.27 Body Plane with Back Side 10mm on High Channel in LTE Band7 mode with Antenna.0

Date: 2022.01.09

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

Medium parameters used (interpolated): $f = 2560$ MHz; $\sigma = 1.91$ S/m; $\epsilon_r = 39.07$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch21350/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.344 W/kg

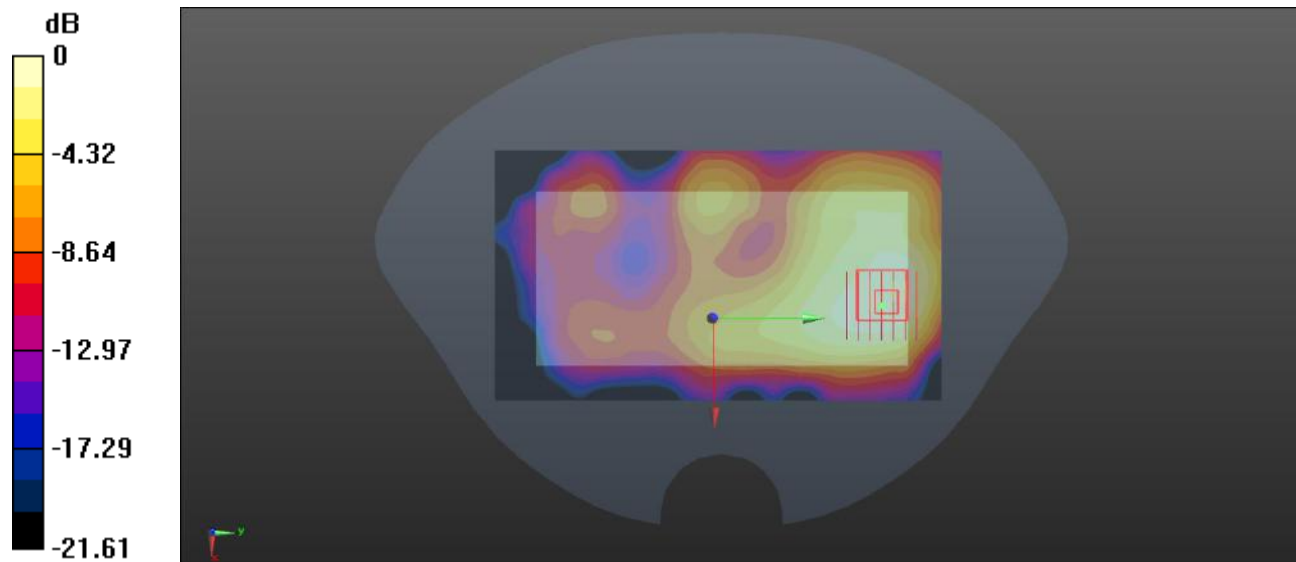
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.377 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.180 W/kg

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.343 W/kg

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

Date: 2022.01.11

Communication System Band: BAND 12; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 41.599$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(9.94, 9.94, 9.94); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0743 W/kg

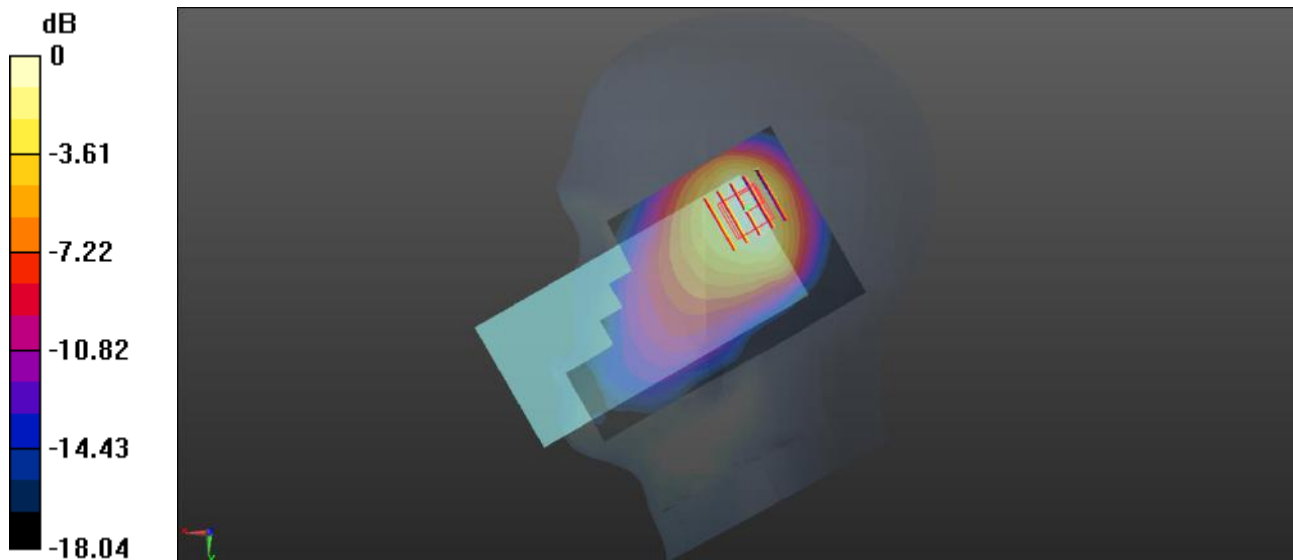
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.332 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.037 W/kg

Maximum value of SAR (measured) = 0.0692 W/kg



0 dB = 0.0692 W/kg

Meas.29 Body Plane with Back side 15mm on High Channel in LTE Band12 mode with Antenna.0

Date: 2022.01.11

Communication System Band: BAND 12; Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 42.012$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch23130/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.171 W/kg

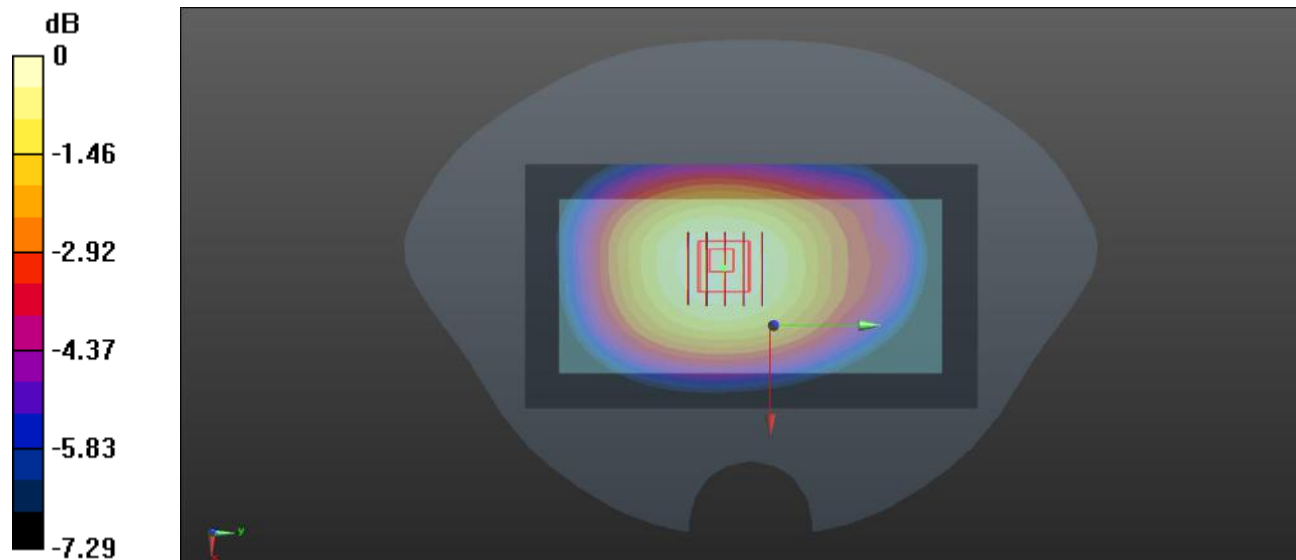
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.47 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.129 W/kg

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



0 dB = 0.174 W/kg

Meas.30 Body Plane with Right Edge 10mm on High Channel in LTE Band12 mode with Antenna.0

Date: 2022.01.11

Communication System Band: BAND 12; Frequency: 711 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 711 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 42.012$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch23130/Area Scan (41x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.230 W/kg

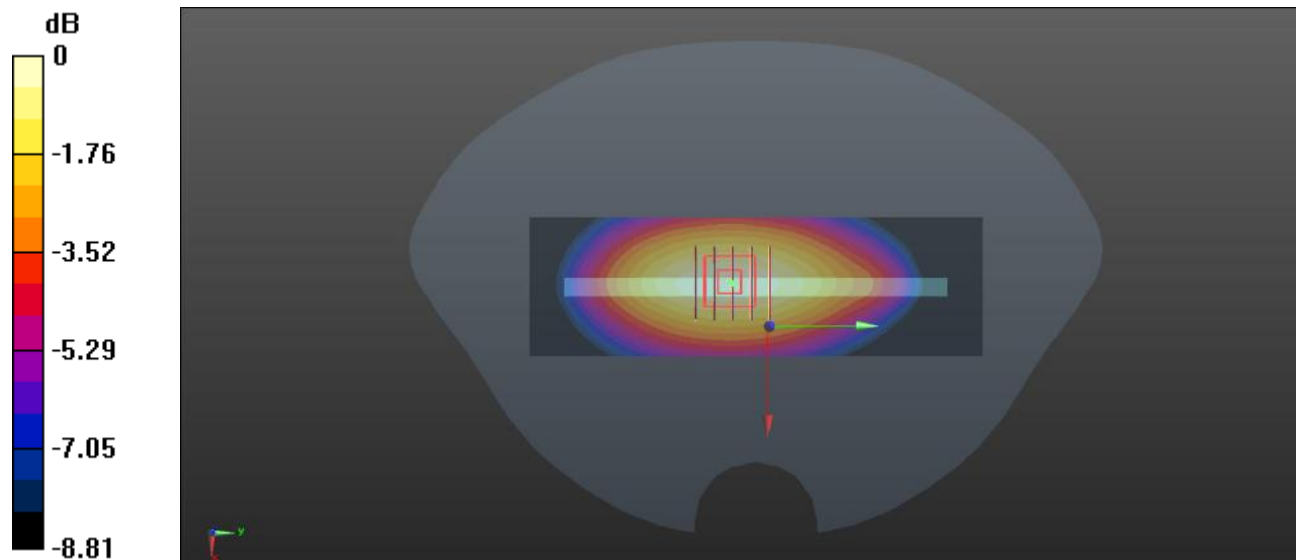
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.94 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.302 W/kg

SAR(1 g) = 0.219 W/kg ; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 0.233 W/kg



0 dB = 0.233 W/kg

Meas.31 Right Head with Cheek on Middle Channel in LTE Band26 mode with Antenna.1

Date: 2021.12.28

Communication System Band: BAND 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.983$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(8.95, 8.95, 8.95); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated:2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.499 W/kg

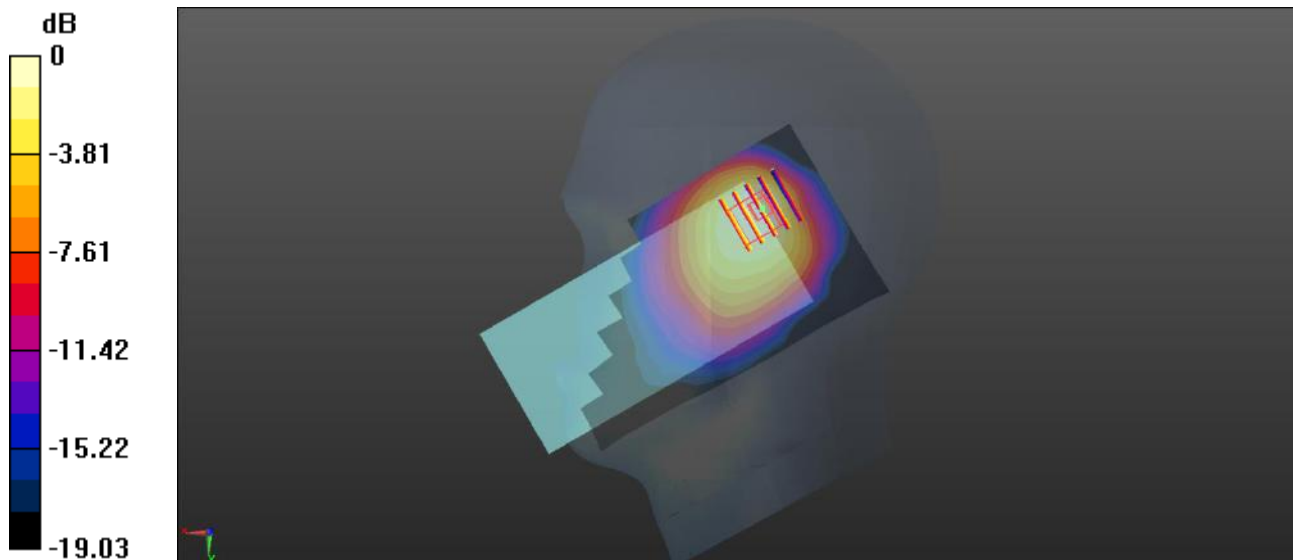
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.30 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.774 W/kg

SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.243 W/kg

Maximum value of SAR (measured) = 0.421 W/kg



0 dB = 0.421 W/kg

Meas.32 Body Plane with Back side 15mm on Middle Channel in LTE Band26 with Antenna.0

Date: 2021.12.28

Communication System Band: BAND 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.983$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.171 W/kg

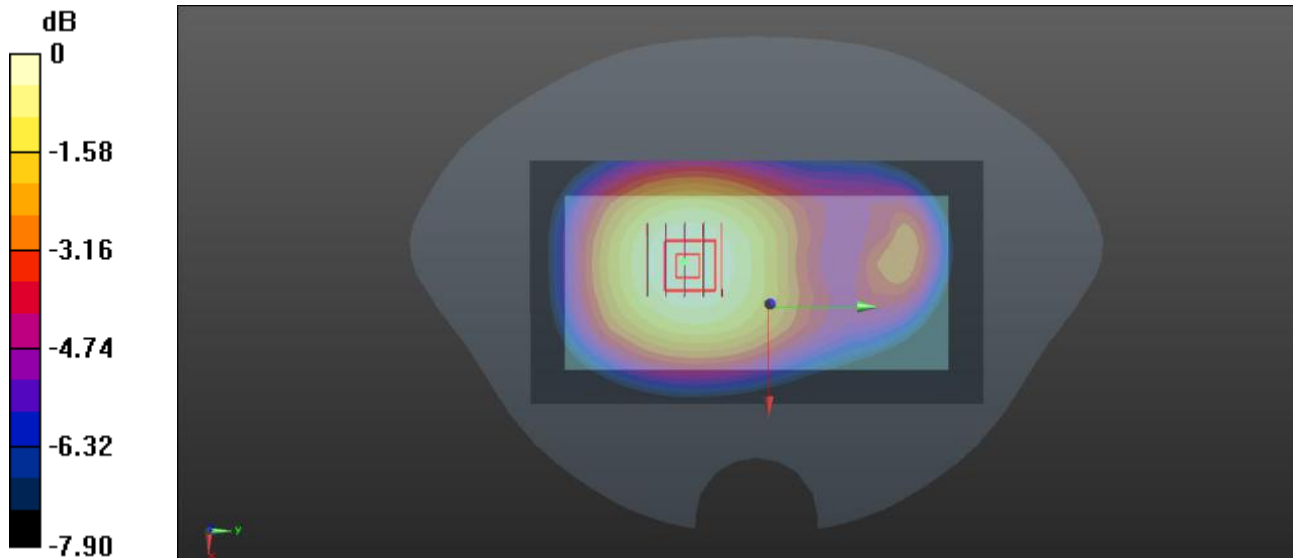
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.87 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.171 W/kg



0 dB = 0.171 W/kg

Meas.33 Body Plane with Back Side 10mm on Middle Channel in LTE Band26 mode with Antenna.0

Date: 2021.12.28

Communication System Band: BAND 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.899$ S/m; $\epsilon_r = 41.983$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.3

DASY5 Configuration:

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

Ch26865/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

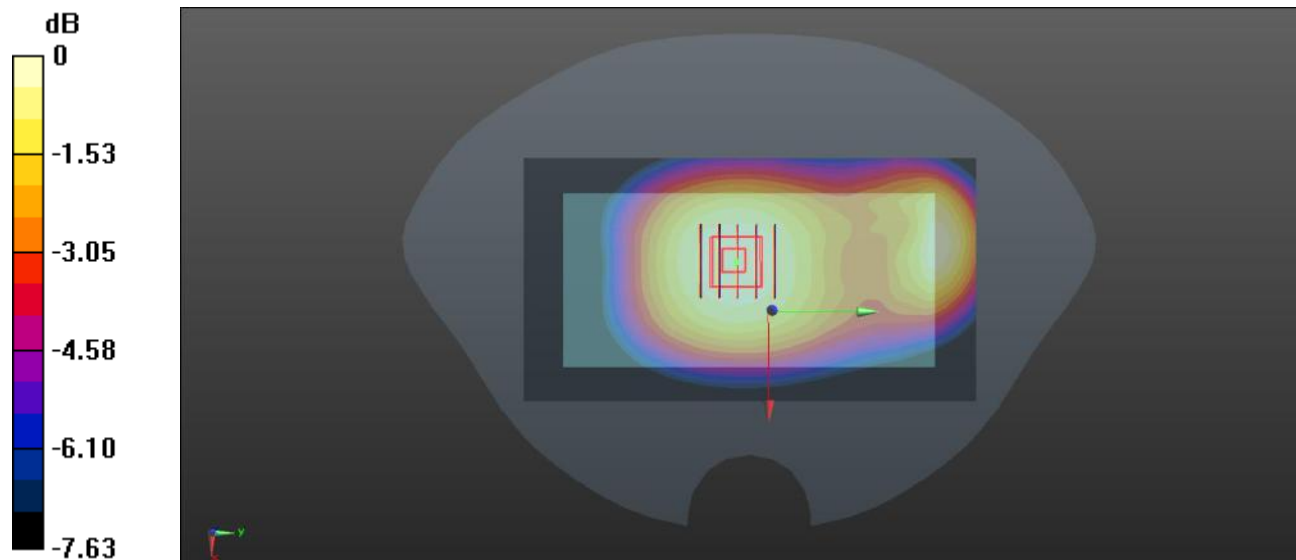
Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.16 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg

Meas.34 Right Head with Tilt on High Channel in LTE Band66 mode with Antenna.1

Date: 2022.01.13

Communication System Band: BAND 66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 40.05$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch132572/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.10 W/kg

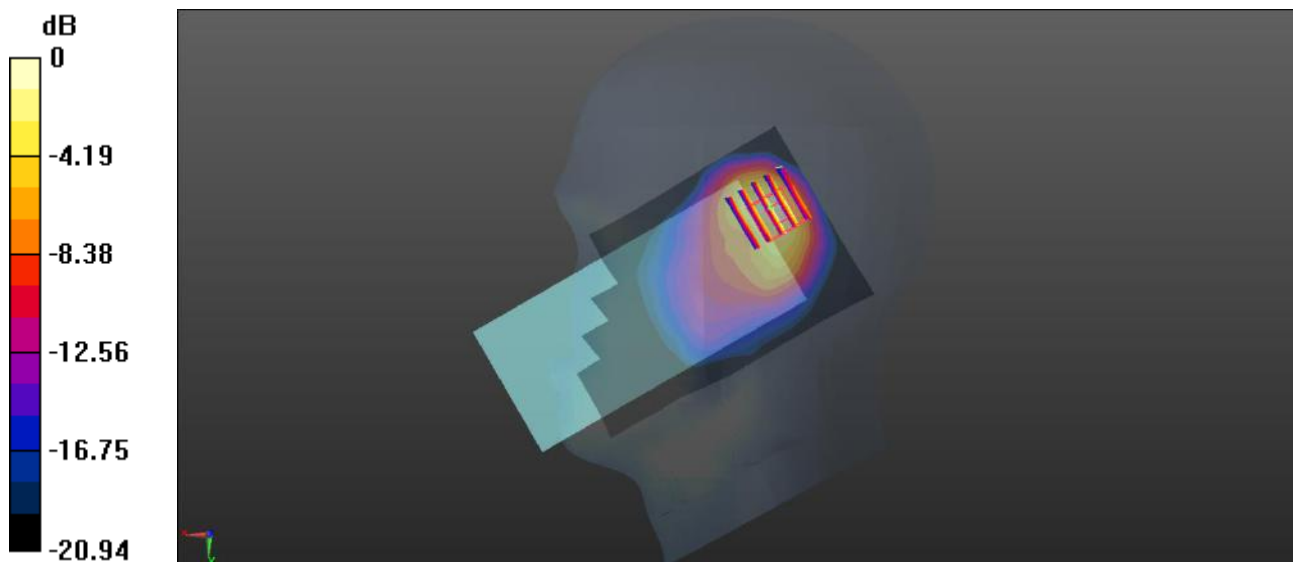
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.09 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.503 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg

Meas.35 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna.1

Date: 2022.01.13

Communication System Band: BAND 66; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1745 \text{ MHz}$; $\sigma = 1.375 \text{ S/m}$; $\epsilon_r = 40.198$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch132322/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

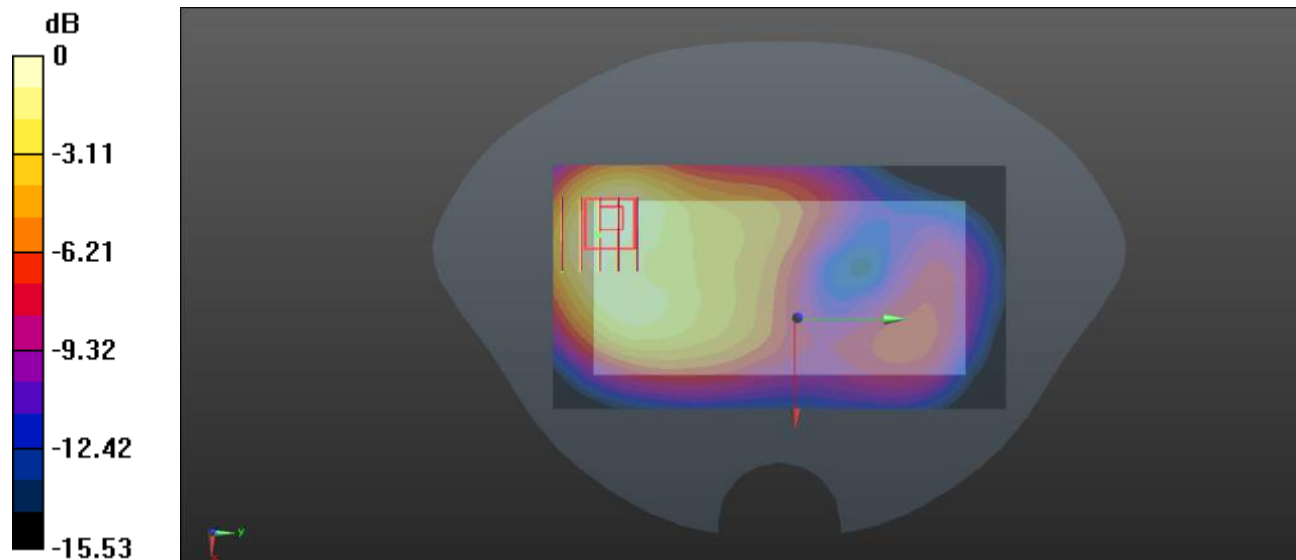
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.926 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.713 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 0.472 W/kg



0 dB = 0.472 W/kg

Meas.36 Body Plane with Bottom Edge 10mm on High Channel in LTE Band66 mode with Antenna.0

Date: 2022.01.13

Communication System Band: BAND 66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1770$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 40.05$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.7 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch132572/Area Scan (51x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.638 W/kg

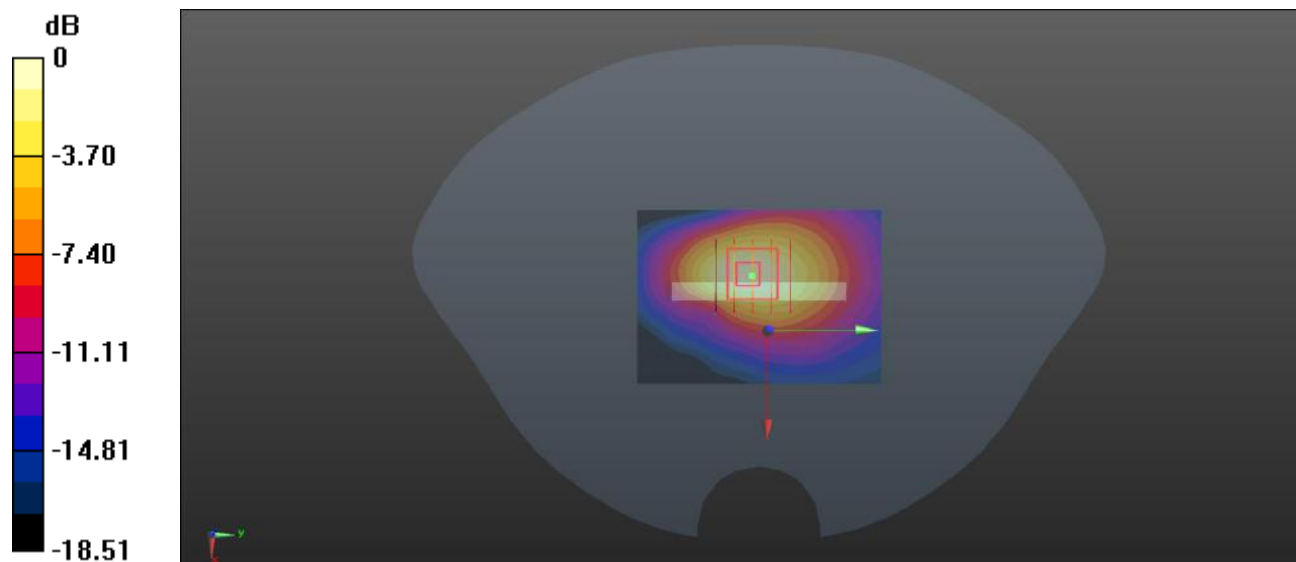
Ch132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.33 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.928 W/kg

SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.303 W/kg

Maximum value of SAR (measured) = 0.609 W/kg



0 dB = 0.609 W/kg

Meas.37 Right Head with Tilt on Middle Channel in LTE Band38 mode with Antenna.1

Date: 2022.01.09

Communication System Band: BAND 38; Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 38.703$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch38000/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.636 W/kg

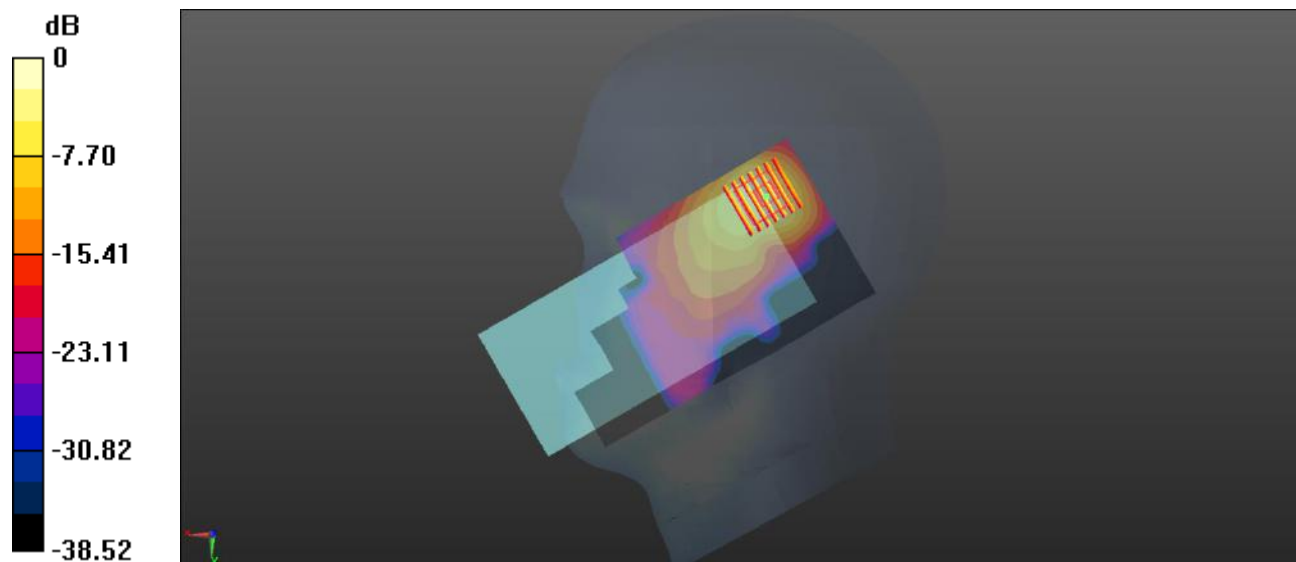
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.604 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 0.604 W/kg



0 dB = 0.604 W/kg

Meas.38 Body Plane with Back Side 15mm on Middle Channel in LTE Band38 mode with Antenna.1

Date: 2022.01.09

Communication System Band: BAND 38; Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 38.703$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(6.91, 6.91, 6.91); Calibrated: 2021.06.07
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated:2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

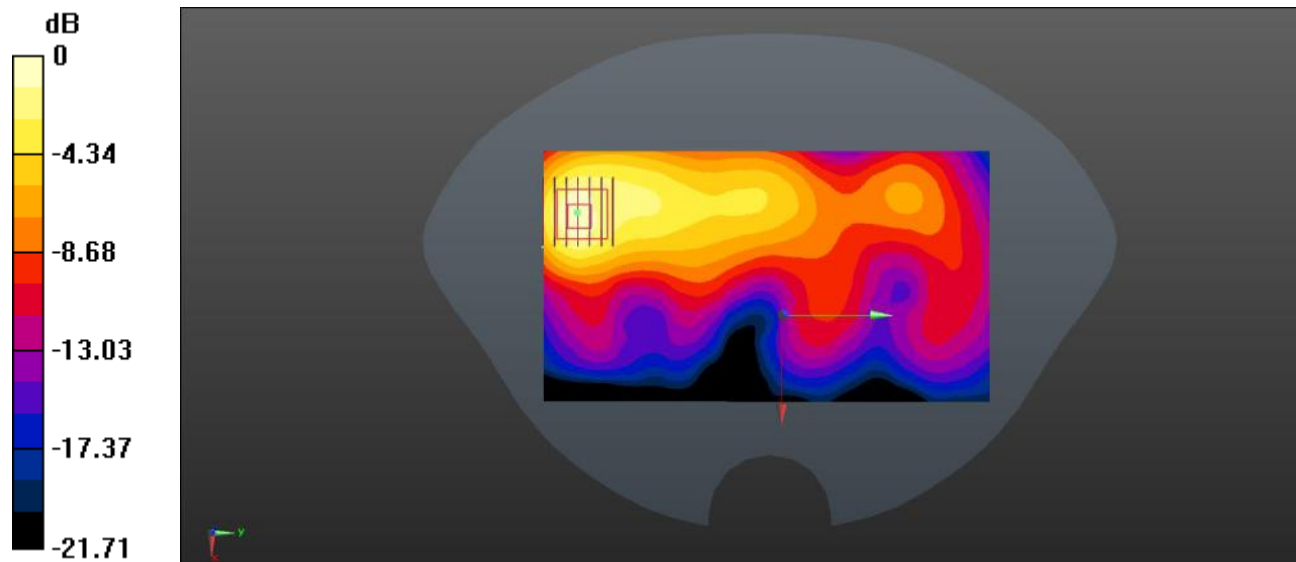
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.984 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.497 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.282 W/kg



0 dB = 0.282 W/kg

Meas.39 Body Plane with Top Edge 10mm on Middle Channel in LTE Band38 mode with Antenna.1

Date: 2022.01.09

Communication System Band: BAND 38; Frequency: 2595 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 38.703$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch38000/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.618 W/kg

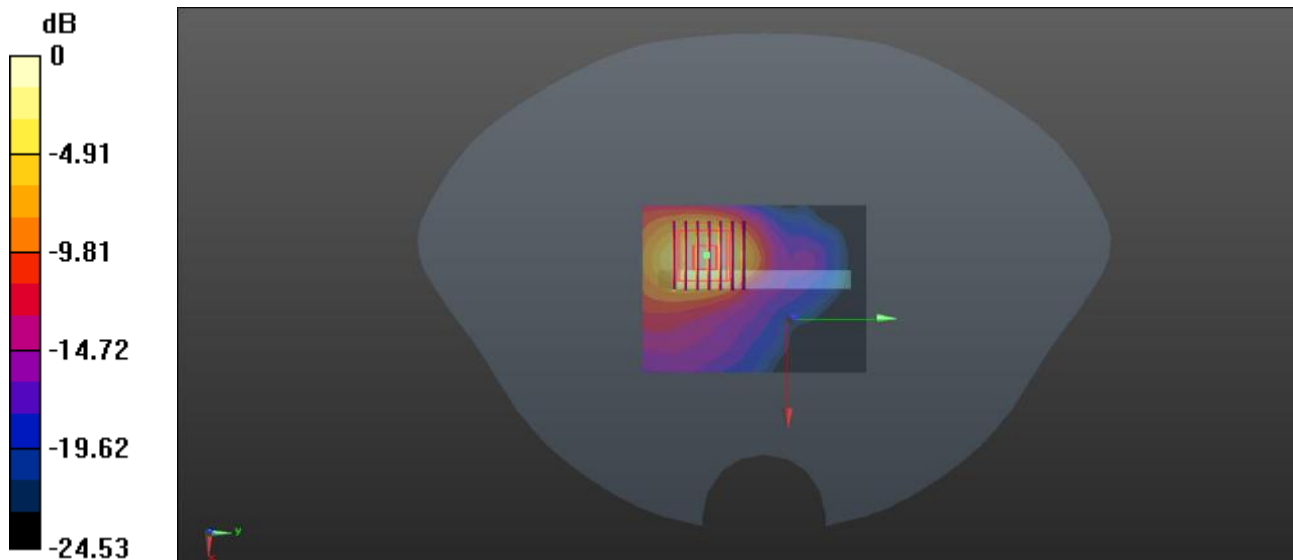
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.417 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (measured) = 0.607 W/kg



0 dB = 0.607 W/kg

Meas.40 Right Head with Tilt on Low Channel in LTE Band41 mode with Antenna.1

Date: 2022.01.09

Communication System Band: BAND 41; Frequency: 2545 MHz;Duty Cycle: 1:1.58

Medium parameters used: f = 2545 MHz; $\sigma = 1.903$ S/m; $\epsilon_r = 39.117$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch40140/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.392 W/kg

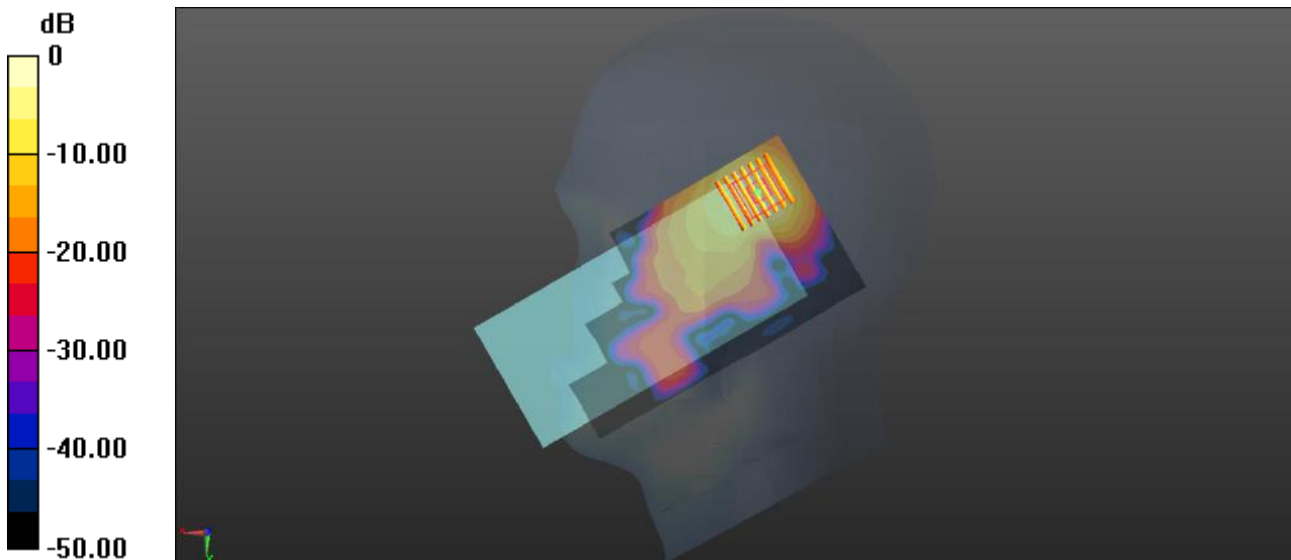
Ch40140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.098 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.811 W/kg

SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg

Meas.41 Body Plane with Back Side 15mm on High Channel in LTE Band41 mode with Antenna.1

Date: 2022.01.09

Communication System Band: BAND41; Frequency: 2645 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2645$ MHz; $\sigma = 2.013$ S/m; $\epsilon_r = 38.57$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch41140/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

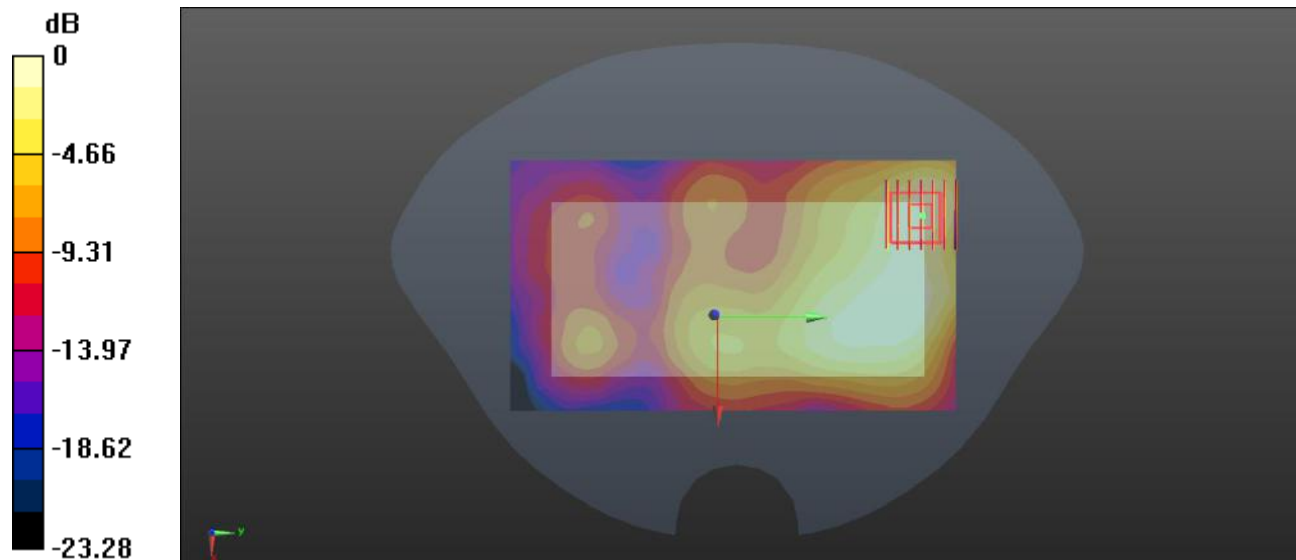
Ch41140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.911 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.088 W/kg

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



0 dB = 0.188 W/kg

Meas.42 Body Plane with Top Edge 10mm on Low Channel in LTE Band41 mode with Antenna.1

Date: 2022.01.09

Communication System Band: BAND41; Frequency: 2545 MHz; Duty Cycle: 1:1.58

Medium parameters used (interpolated): $f = 2545$ MHz; $\sigma = 1.903$ S/m; $\epsilon_r = 39.117$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.2 Liquid Temperature:21.2

DASY5 Configuration:

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

Ch40140/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.587 W/kg

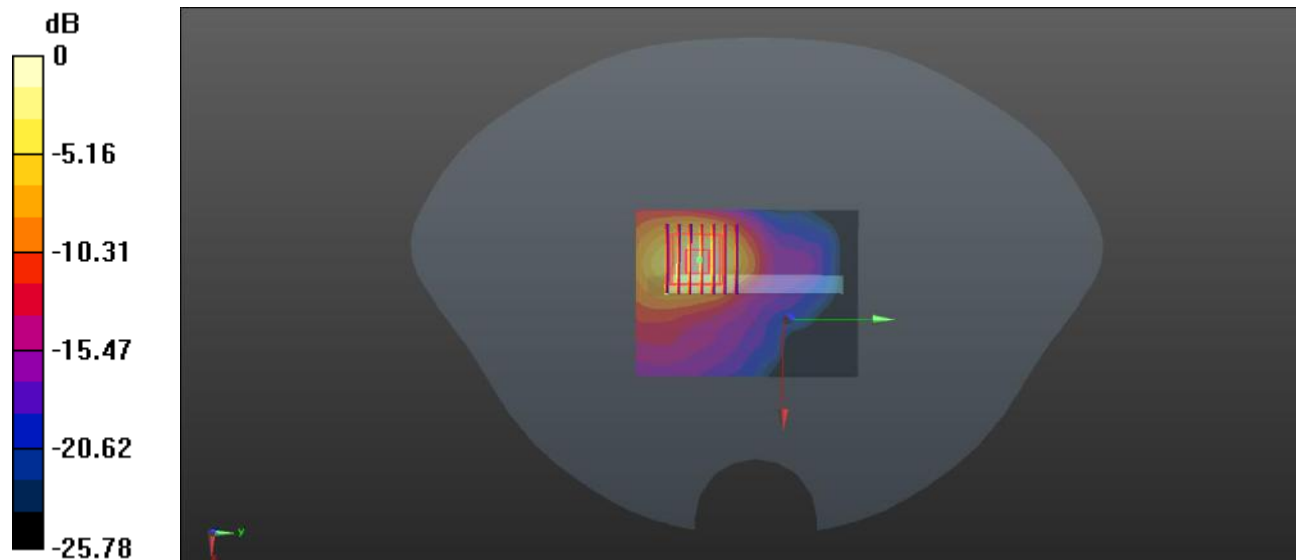
Ch40140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.395 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.212 W/kg

Maximum value of SAR (measured) = 0.577 W/kg



0 dB = 0.577 W/kg

Meas.43 Left Head with Cheek on 1 Channel in IEEE802.11b mode with Antenna.2

Date: 2022.01.08

Communication System Band: 2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1.009

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.754$ S/m; $\epsilon_r = 39.388$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.9 Liquid Temperature:21.8

DASY5 Configuration:

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

Ch1/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.546 W/kg

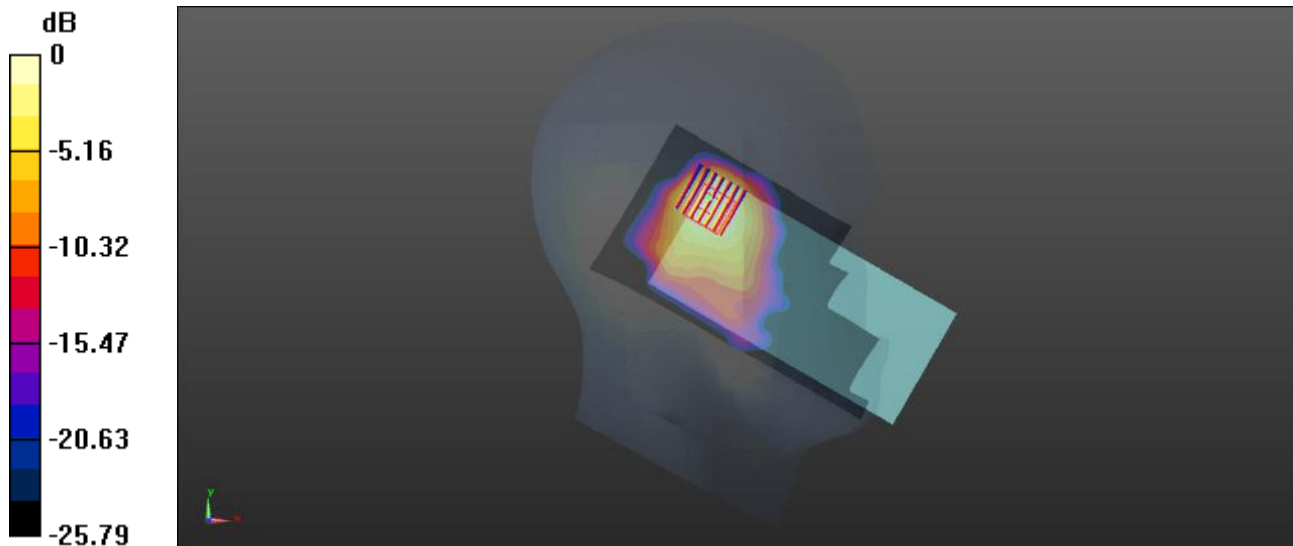
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.874 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.653 W/kg

SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 0.340 W/kg



0 dB = 0.340 W/kg

Meas.44 Body Plane with Back Side 15mm on 9 Channel in IEEE802.11b mode with Antenna.2

Date: 2022.01.08

Communication System Band: 2.4G; Frequency: 2452 MHz; Duty Cycle: 1:1.009

Medium parameters used (interpolated): $f = 2452$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 39.538$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.8

DASY5 Configuration:

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

Ch9/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

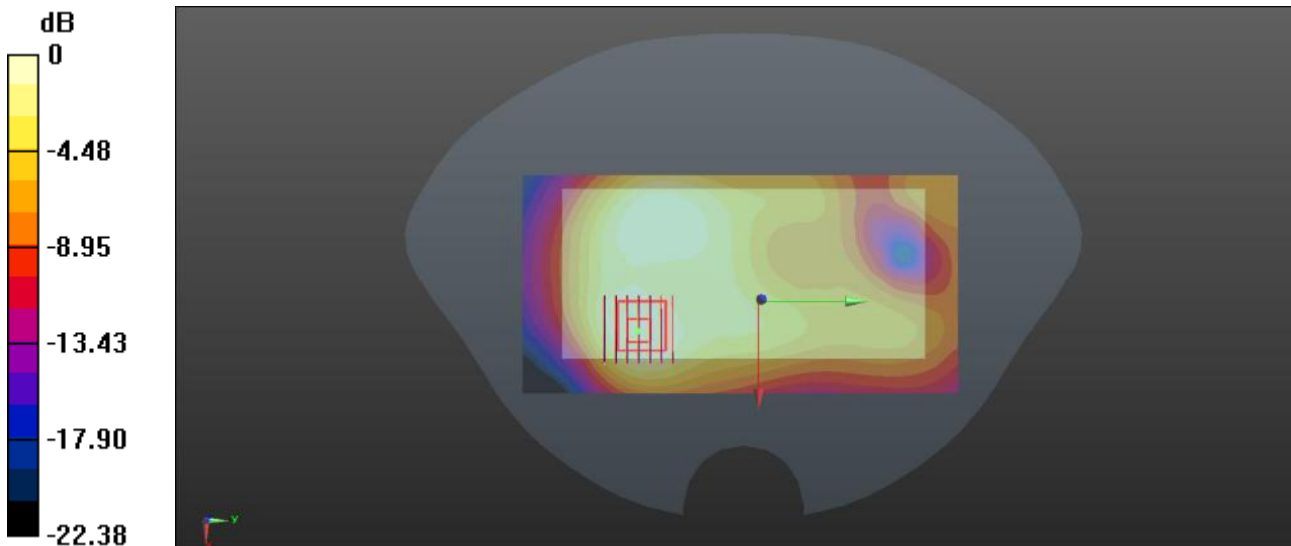
Ch9/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.435 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.643 W/kg

SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.241 W/kg

Maximum value of SAR (measured) = 0.363 W/kg



0 dB = 0.363 W/kg

Meas.45 Body Plane with Back Side 10mm on 6 Channel in IEEE802.11b mode with Antenna.2

Date: 2022.01.08

Communication System Band: 2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1.009

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.781$ S/m; $\epsilon_r = 39.595$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.8

DASY5 Configuration:

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

Ch6/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.151 W/kg

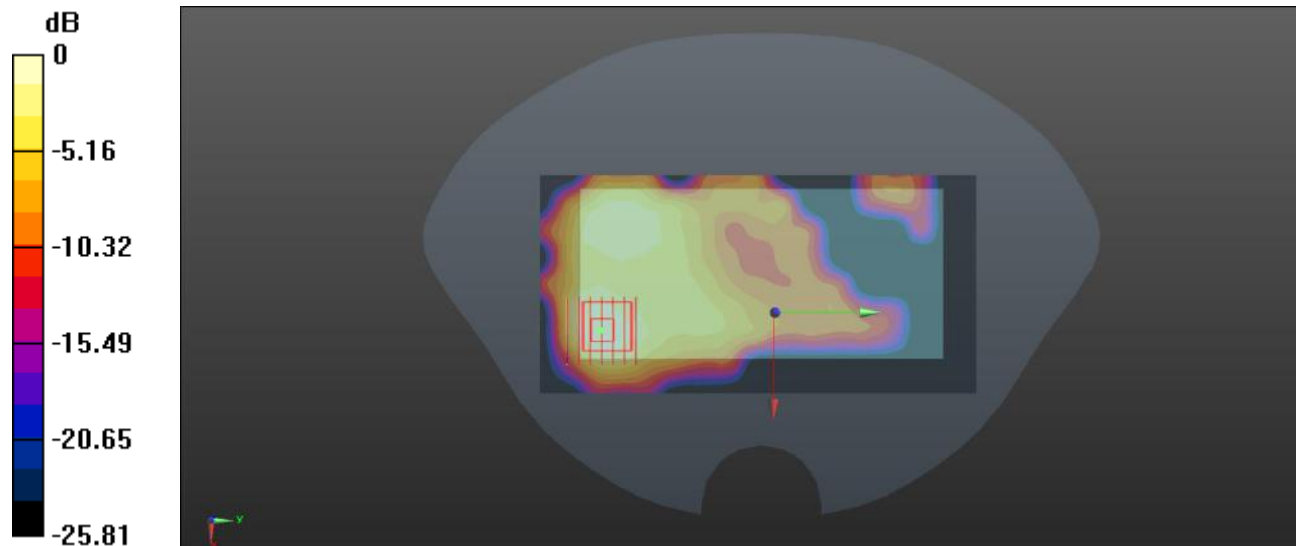
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.718 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.247 W/kg

SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg

Meas.46 Left Head with Cheek on 54 Channel in IEEE802.11n40 mode with Antenna.2

Date: 2022.01.20

Communication System Band: 5.3G; Frequency: 5270 MHz; Duty Cycle: 1:1.103

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.787$ S/m; $\epsilon_r = 35.442$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch54/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.83 W/kg

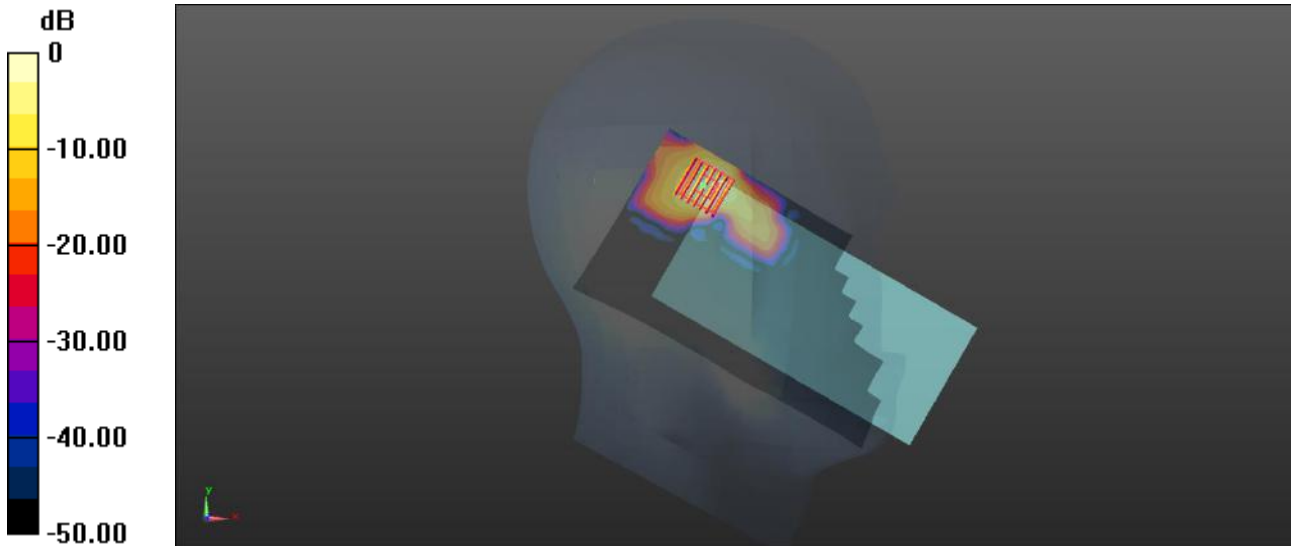
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.66 W/kg

SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.250 W/kg

Maximum value of SAR (measured) = 2.06 W/kg



0 dB = 2.06 W/kg

Meas.47 Left Head with Cheek on 122 Channel in IEEE802.11ac80 mode with Antenna.2

Date: 2022.01.21

Communication System Band: 5.6G; Frequency: 5610 MHz; Duty Cycle: 1:1.168

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.07$ S/m; $\epsilon_r = 35.119$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

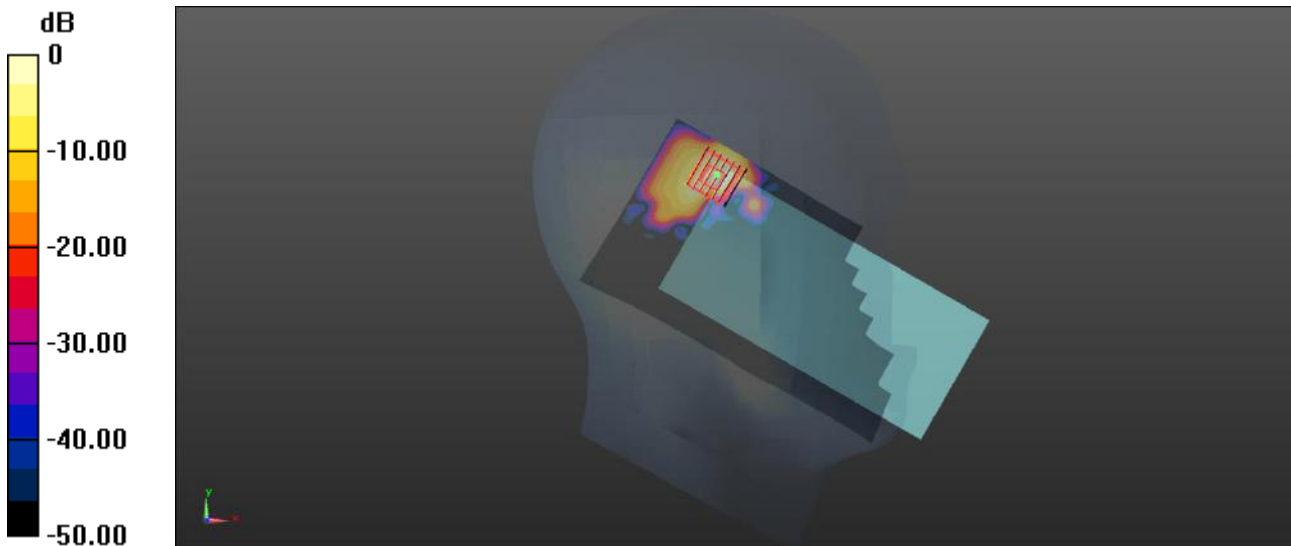
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 0.576 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg

Meas.48 Left Head with Cheek on 155 Channel in IEEE802.11ac80 mode with Antenna.2

Date: 2022.01.22

Communication System Band: 5.8G; Frequency: 5775 MHz; Duty Cycle: 1:1.168

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.224$ S/m; $\epsilon_r = 35.27$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.35 W/kg

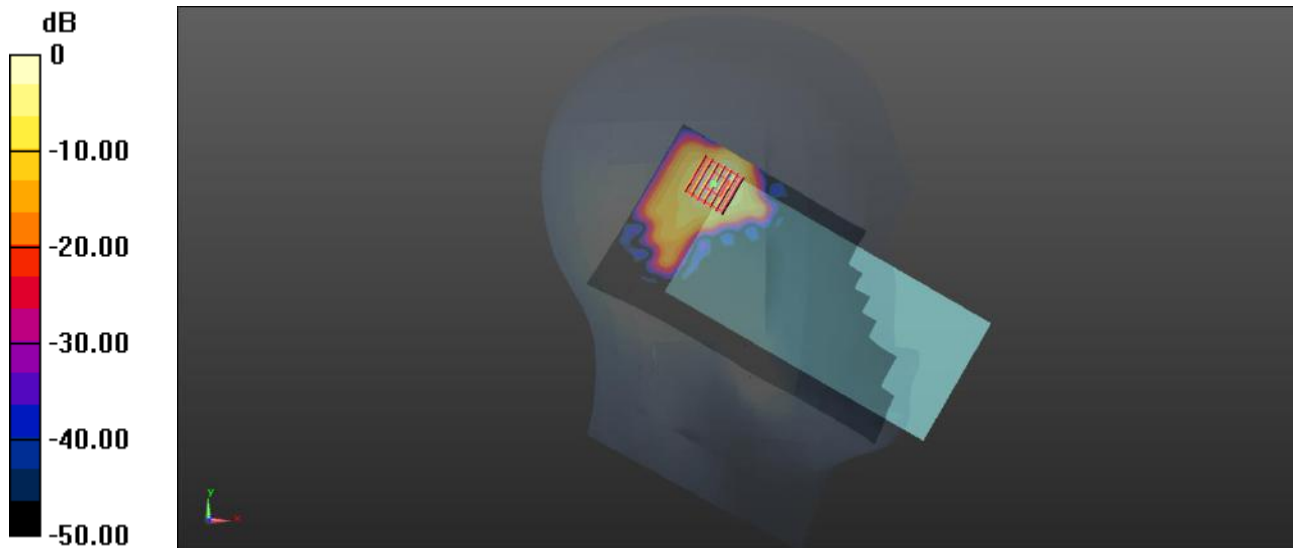
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.35 W/kg

SAR(1 g) = 0.686 W/kg; SAR(10 g) = 0.194 W/kg

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg

Meas.49 Body Plane with Back Side 15mm on 54 Channel in IEEE802.11n40 mode with Antenna.2

Date: 2022.01.20

Communication System Band: 5.3G; Frequency: 5270 MHz; Duty Cycle: 1:1.103

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.787$ S/m; $\epsilon_r = 35.442$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch54/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.825 W/kg

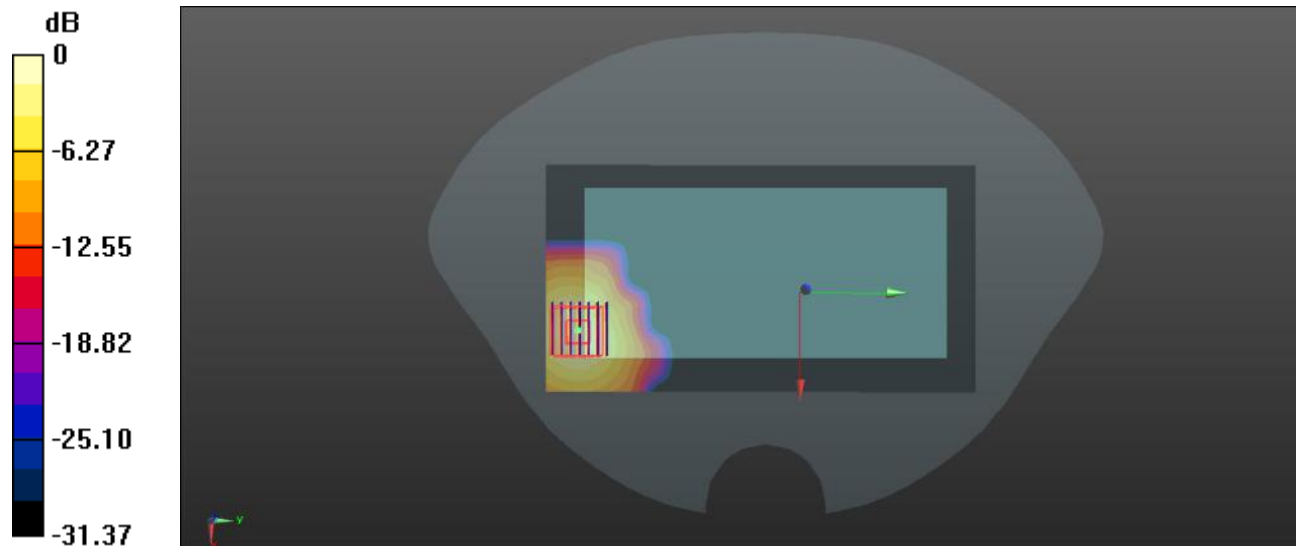
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.171 W/kg

Maximum value of SAR (measured) = 0.835 W/kg



0 dB = 0.835 W/kg

Meas.50 Body Plane with Back Side 15mm on 122 Channel in IEEE802.11ac80 mode with Antenna.2

Date: 2022.01.21

Communication System Band: 5.6G; Frequency: 5610 MHz; Duty Cycle: 1:1.168

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.07$ S/m; $\epsilon_r = 35.119$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(4.74, 4.74, 4.74); Calibrated: 2021.06.07
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD00P40CC; Serial: TP:1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.723 W/kg

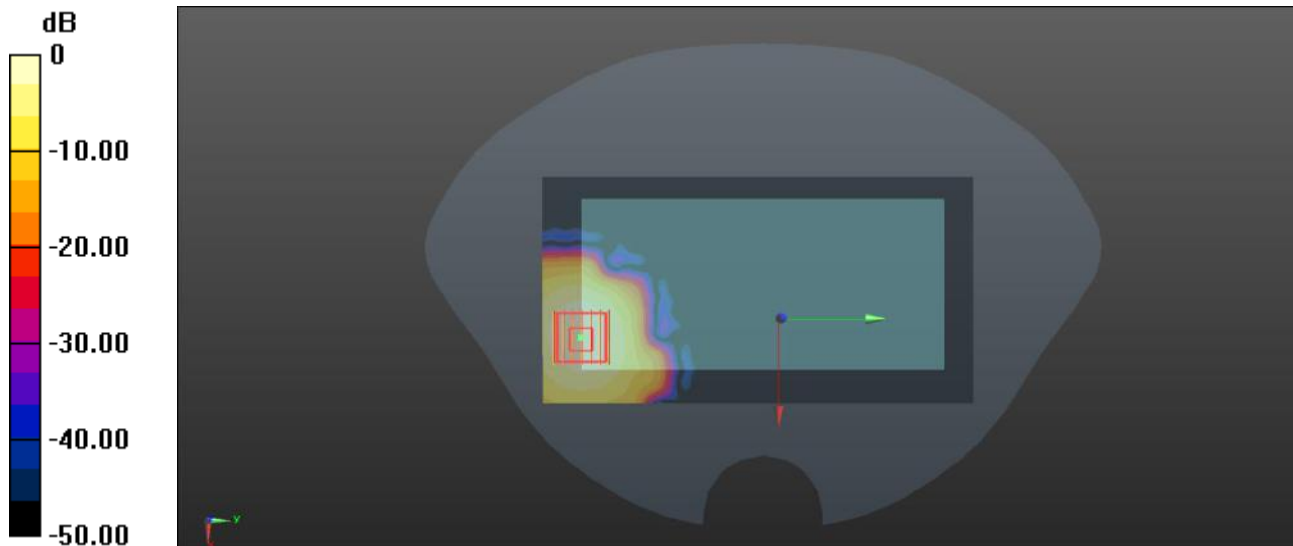
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.723 W/kg



0 dB = 0.723 W/kg

Meas.51 Body Plane with Back Side 15mm on 155 Channel in IEEE802.11ac80 mode with Antenna.2

Date: 2022.01.22

Communication System Band: 5.8G; Frequency: 5775 MHz; Duty Cycle: 1:1.168

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.224$ S/m; $\epsilon_r = 35.27$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

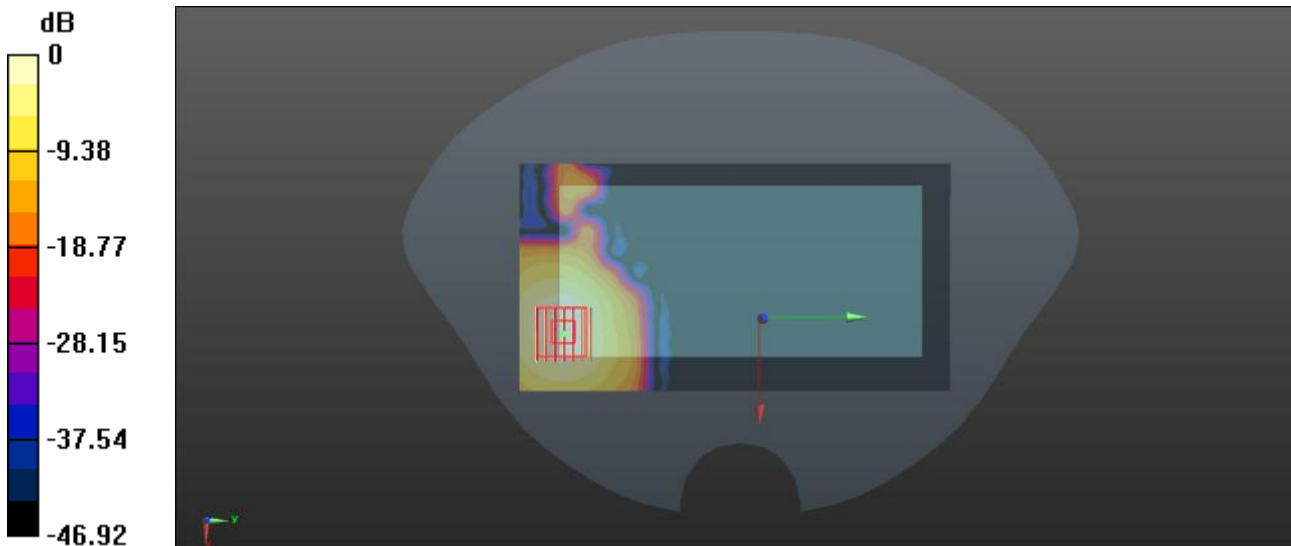
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.187 W/kg

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



0 dB = 1.01 W/kg

Meas.52 Body Plane with Back Side 10mm on 42 Channel in IEEE802.11ac80 mode with Antenna.2

Date: 2022.01.20

Communication System Band: 5.2G; Frequency: 5210 MHz; Duty Cycle: 1:1.168

Medium parameters used (interpolated): $f = 5210$ MHz; $\sigma = 4.67$ S/m; $\epsilon_r = 35.986$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch42/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.533 W/kg

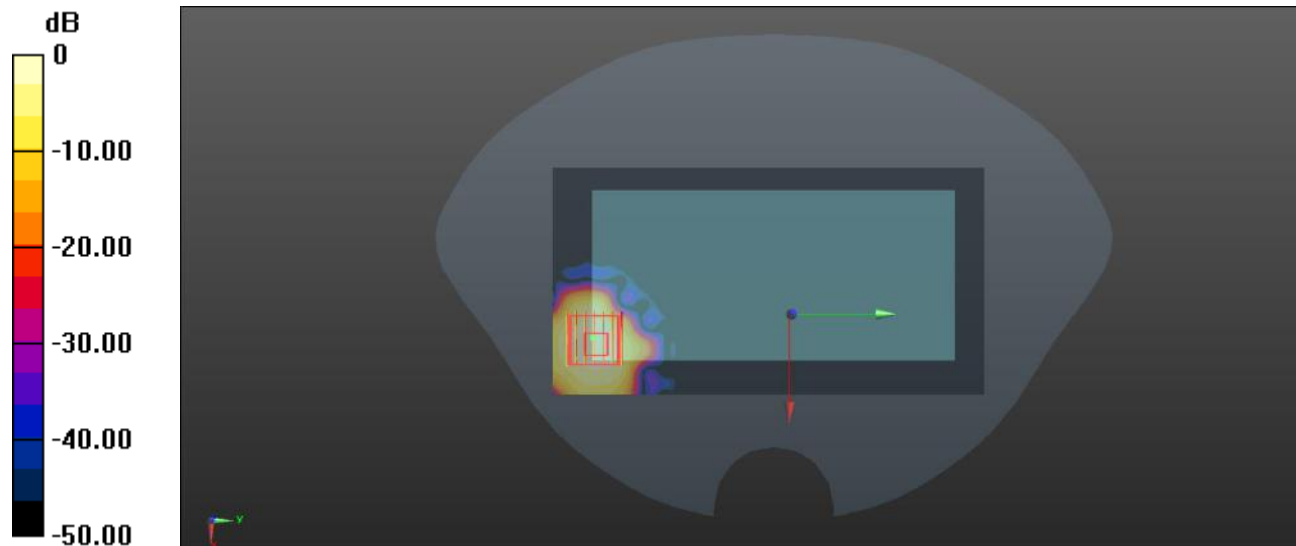
Ch42/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.936 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.504 W/kg



0 dB = 0.504 W/kg

Meas.53 Body Plane with Back Side 10mm on 155 Channel in IEEE802.11ac80 mode with Antenna.2

Date: 2022.01.22

Communication System Band: 5.8G; Frequency: 5775 MHz; Duty Cycle: 1:1.168

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.224$ S/m; $\epsilon_r = 35.27$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch155/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

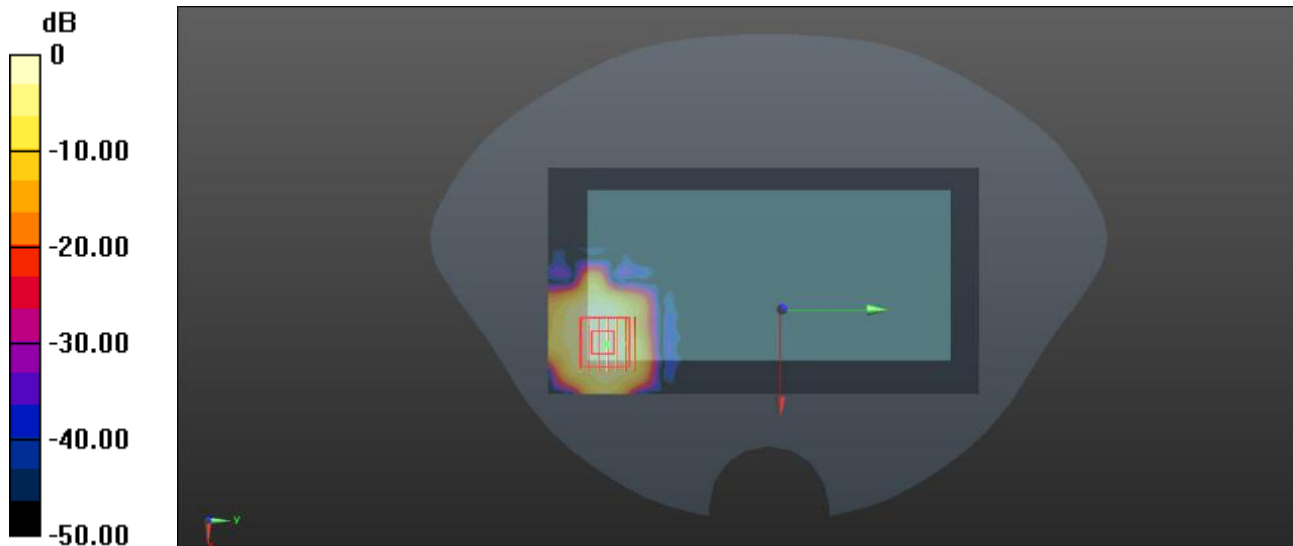
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.570 W/kg



0 dB = 0.570 W/kg

Meas.54 Body Plane with Back Side 0mm on 54 Channel in IEEE802.11n40 mode with Antenna.2

Date: 2022.01.20

Communication System Band: 5.3G; Frequency: 5270 MHz; Duty Cycle: 1:1.103

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.787$ S/m; $\epsilon_r = 35.442$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.3 Liquid Temperature:21.4

DASY5 Configuration:

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

Ch54/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.13 W/kg

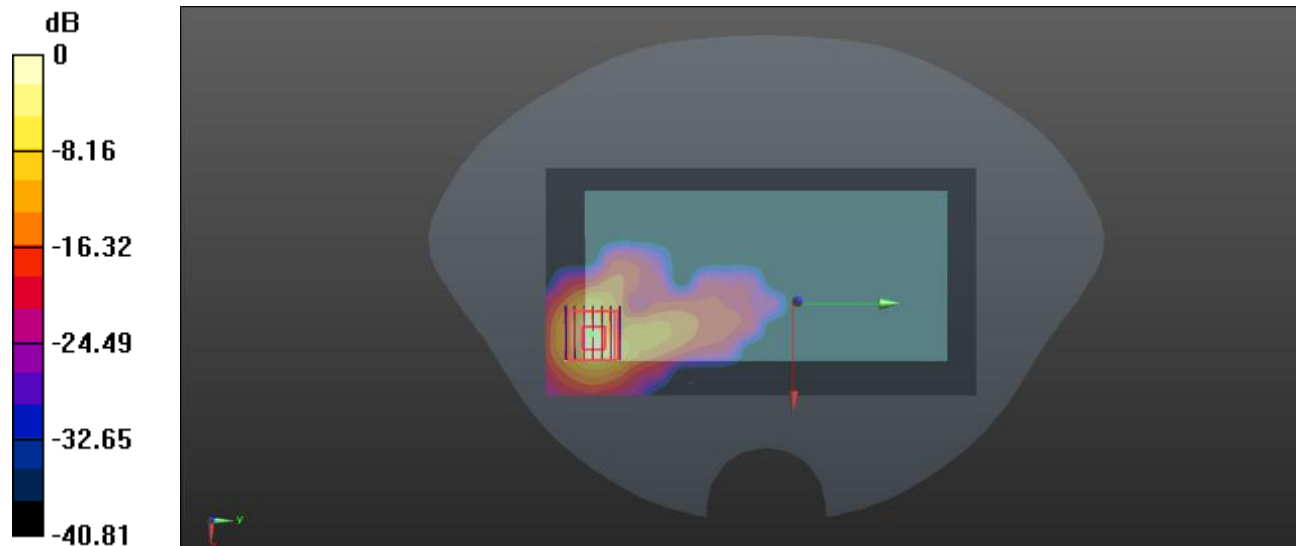
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9830 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 0.704 W/kg

Maximum value of SAR (measured) = 5.92 W/kg



0 dB = 5.92 W/kg

Meas.55 Body Plane with Left Edge 0mm on 122 Channel in 802.11ac80 mode with Antenna.2

Date: 2022.01.21

Communication System Band: 5.6G; Frequency: 5610 MHz; Duty Cycle: 1:1.168

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.07$ S/m; $\epsilon_r = 35.119$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.6 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch122/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.9 W/kg

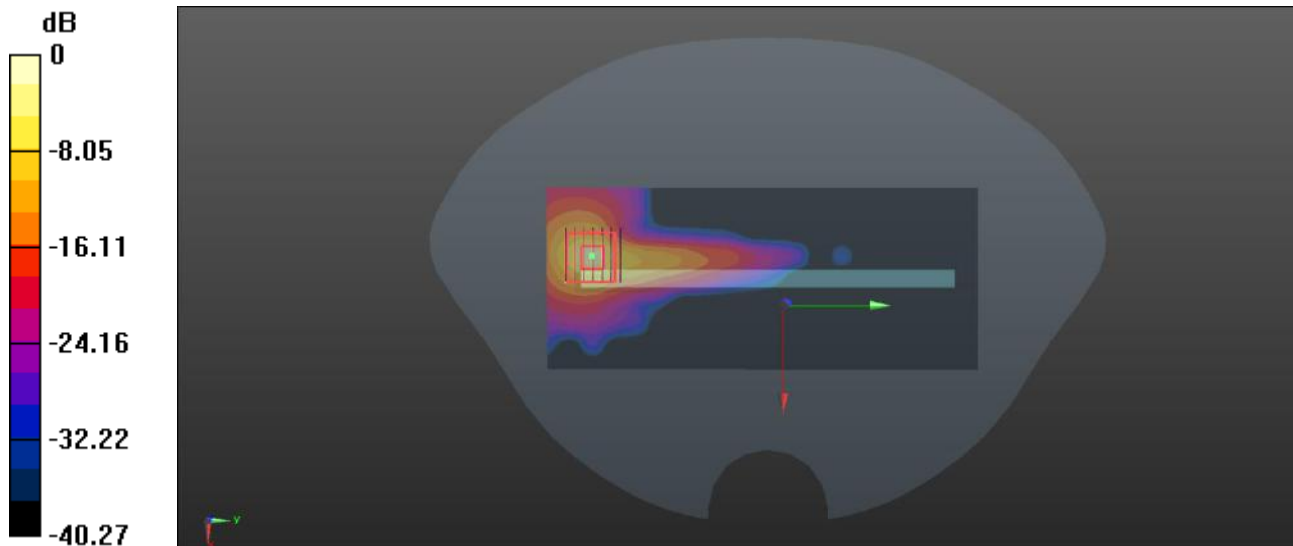
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.452 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 1.01 W/kg

Maximum value of SAR (measured) = 11.2 W/kg



0 dB = 11.2 W/kg

Meas.56 Body Plane with Left Edge 0mm on 155 Channel in 802.11ac80 mode with Antenna.2

Date: 2022.01.22

Communication System Band: 5.8G; Frequency: 5775 MHz; Duty Cycle: 1:1.168

Medium parameters used (interpolated): $f = 5775$ MHz; $\sigma = 5.224$ S/m; $\epsilon_r = 35.27$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.5

DASY5 Configuration:

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

Ch155/Area Scan (61x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 11.4 W/kg

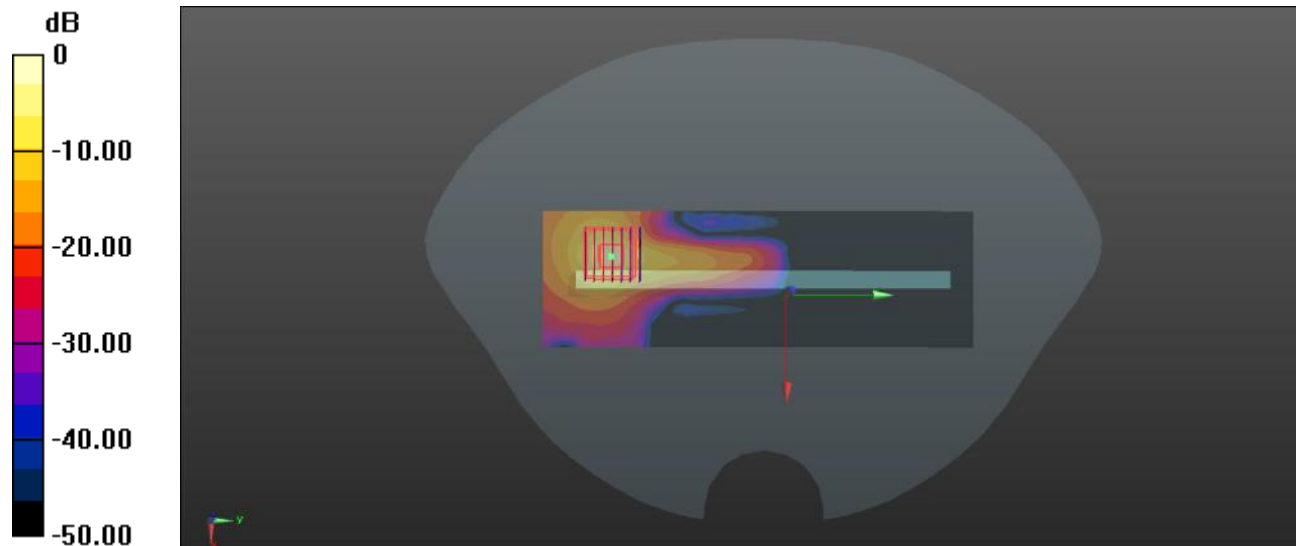
Ch155/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.346 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 28.7 W/kg

SAR(1 g) = 4.24 W/kg; SAR(10 g) = 0.949 W/kg

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



0 dB = 11.6 W/kg

Meas.57 Left Head with Cheek on 78 Channel in Bluetooth mode with Antenna.2

Date: 2022.02.21

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.795$ S/m; $\epsilon_r = 39.693$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.4 Liquid Temperature:21.4

DASY5 Configuration:

- Probe: EX3DV4 - SN3717; ConvF(7.15, 7.15, 7.15); Calibrated: 2021.06.07;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1226; Calibrated: 2021.05.17
- Phantom: SAM with CRP v5.0 Right 1857; Type: QD000P40CD; Serial: TP1857
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

CW 2450 100mw/Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

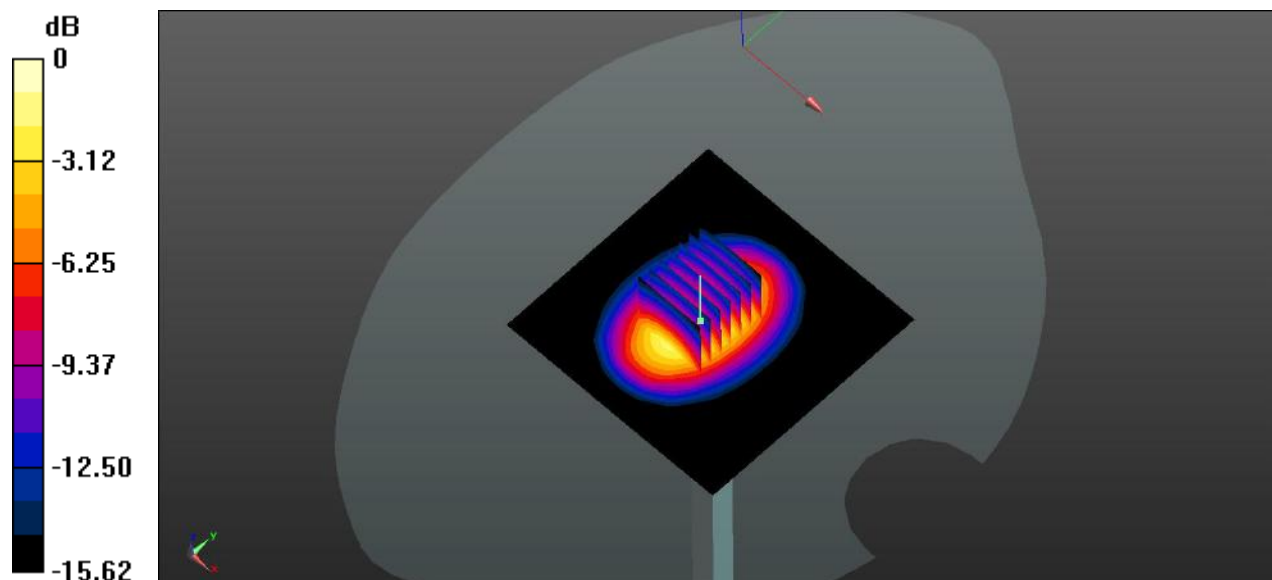
CW 2450 100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.13 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.46 W/kg

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



0 dB = 6.25 W/kg

Meas.58 Body Plane with Back Side 15mm on 78 Channel in Bluetooth mode with Antenna.2

Date: 2022.01.08

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.291

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 39.322$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.8

DASY5 Configuration:

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

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.031 W/kg

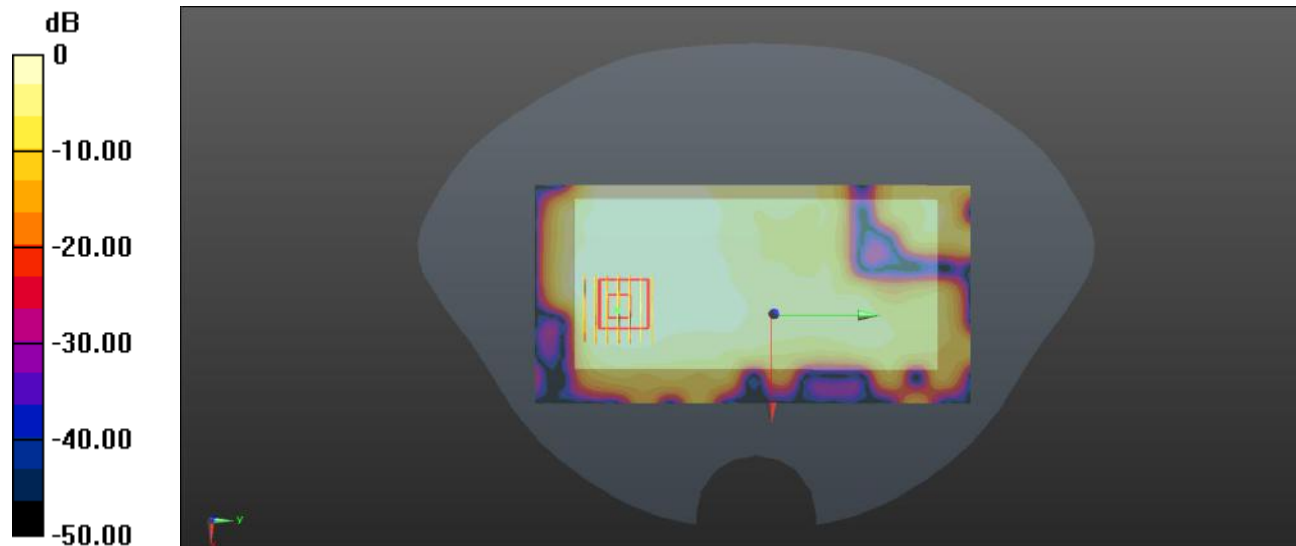
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.263 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0450 W/kg

SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.029 W/kg



0 dB = 0.029 W/kg

Meas.59 Body Plane with Back Side 10mm on 78 Channel in Bluetooth mode with Antenna.2

Date: 2022.01.08

Communication System Band: BT; Frequency: 2480 MHz; Duty Cycle: 1:1.291

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 39.322$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature:22.9 Liquid Temperature:21.8

DASY5 Configuration:

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

Ch78/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0446 W/kg

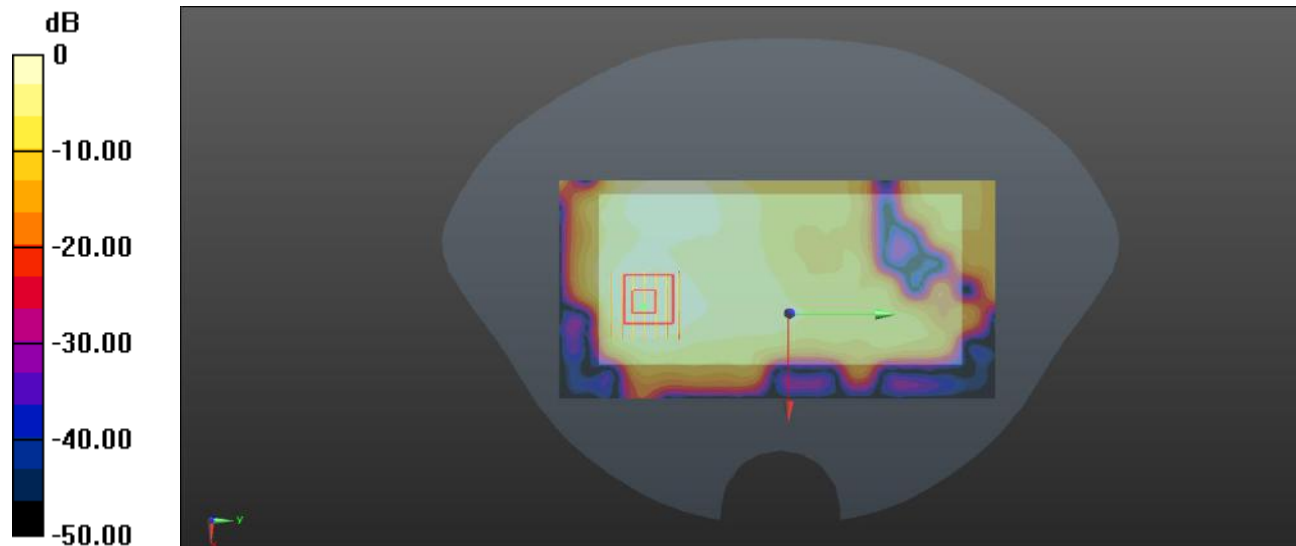
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.244 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0580 W/kg

SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0317 W/kg



0 dB = 0.0317 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document "BL-SZ21C0655-AW.pdf".

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document "BL-SZ21C0655-AS.pdf".

ANNEX F CALIBRATION REPORT

ANNEX G Please refer the document "CALIBRATION REPORT.pdf".

--END OF REPORT--