TEST REPORT

Applicant:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Equipment Type:	Mobile Phone
Model Name:	RMX3939
Brand Name:	realme
FCC ID:	2AUYFRMX3939
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Head (1 g@0mm): 1.02 W/kg Body-worn (1 g@15mm): 0.61 W/kg Hotspot (1 g@10mm): 1.12 W/kg Specific (10 g@0mm): 2.79 W/kg
Sample Arrival Date:	Feb. 19, 2024
Test Date:	Feb. 28, 2024 - Mar. 13, 2024
Date of Issue:	Mar. 29, 2024

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xu Rui **Checked by:** Zong Liyao **Approved by:** Tolan Tu (Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Mar. 29, 2024	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

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

1.3 Test Environment Condition

Ambient Temperature	18℃ to 25℃
Ambient Relative Humidity	30% to 70%

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 General Description for Equipment under Test (EUT)

EUT Name	Mobile Phone
Model Name Under Test	RMX3939
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	11
Software Version	realme UI Android 14
Dimensions (Approx.)	Plate Material: 167.26*76.67*7.74mm Leather: 167.26*76.67*7.79mm
Weight (Approx.)	Plate Material: 189g Leather: 191g
EUT ID	S04, S01, S02, S03
IMEI Number	S04： IMEI1：866267070019433 IMEI2：866267070019425
	S01： IMEI1：866267070019375 IMEI2：866267070019367
	S02： IMEI1：866267070019391 IMEI2：866267070019383
	S03： IMEI1：866267070019417 IMEI2：866267070019409

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	SUPERVOOC
	Model No.	BLPA83
	Serial No.	N/A
	Capacitance	Rated: 4880mAh/19.09Wh Typical: 5000mAh/19.55Wh
	Rated Voltage	3.91V
	Limited Voltage	4.5 V

2.5 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/13/66 LTE TDD Band 38/41 Bluetooth (BR+EDR+BLE) 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, Galileo, SBAS, NFC
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 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2180 MHz
	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) /ac(VHT20/VHT40 /VHT80)	5150 ~ 5250 MHz	
		5250 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
	NFC	13.56 MHz	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna NFC: Coli Antenna		
DTM	N/A		
Hotspot Function	Support		

Power Reduction	Support	
Exposure Category	General Population/Uncontrolled exposure	
Product Type	Portable Device	
EUT Type	☒ Production unit	☐ Identical prototype

Note:
1. The device utilizes independent power reduction mechanisms for SAR compliance for the 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 8.6.

3 SUMMARY OF TEST RESULT

3.1 Test Standards

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

3.2 Device Category and SAR Limit

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

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

Table of Exposure Limits:

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

NOTE:

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

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

3.3 Test Result Summary

3.3.1 Highest SAR Values

Equipment Class	Band	Maximum Scaled SAR (W/kg)				Maximum Report SAR (W/kg)			
		Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)	Head (0mm)	Body-worn (15mm)	Hotspot (10mm)	Specific (0mm)
		1g SAR			10g SAR	1g SAR			10g SAR
PCE	GSM 850	0.71	0.20	0.60	/	1.02	0.61	1.12	2.79
	GSM 1900	0.99	0.22	0.76	1.79				
	WCDMA Band 2	0.96	0.31	1.12	2.14				
	WCDMA Band 4	0.91	0.15	0.61	1.87				
	WCDMA Band 5	0.64	0.22	0.42	/				
	LTE Band 2	1.02	0.61	1.05	2.79				
	LTE Band 4	0.63	0.15	0.71	1.51				
	LTE Band 5	0.63	0.24	0.44	/				
	LTE Band 7	0.32	0.19	0.32	/				
	LTE Band 13	0.53	0.18	0.19	/				
	LTE Band 66	0.58	0.16	0.80	2.01				
	LTE Band 38	0.70	0.22	0.46	/				
	LTE Band 41	0.53	0.24	0.64	/				
DTS	2.4G WLAN	0.98	0.10	0.21	/				
NII	5.2G WLAN	/	/	0.13	/				
	5.3G WLAN	0.93	0.24	/	1.42				
	5.6G WLAN	0.77	0.13	/	1.39				
	5.8G WLAN	0.97	0.38	0.30	/				
DSS	Bluetooth	0.03	0.02	0.04	/				
Limit (W/kg)		1.6			4.0	1.6			4.0
Verdict		PASS							

3.3.2 Highest Simultaneous Transmission SAR Values

Equipment Class	Maximum Scaled SAR (W/kg)			
	Head 1g (0mm)	Body-worn 1g (15mm)	Hotspot 1g (10mm)	Specific 10g (0mm)
PCE	1.33	1.00	1.44	3.65
DTS	1.15	0.71	1.27	/
NII	1.33	1.00	1.44	3.65
DSS	1.33	1.00	1.44	/
Limit (W/Kg)	1.60	1.60	1.60	4.00
Verdict	Pass			
Note: The highest simultaneous SAR please refer section 12.2				

3.4 Test Uncertainty

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

The maximum 1 g SAR for the EUT in this report is 1.12 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 2.79 W/kg, which is lower than 3.75 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

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

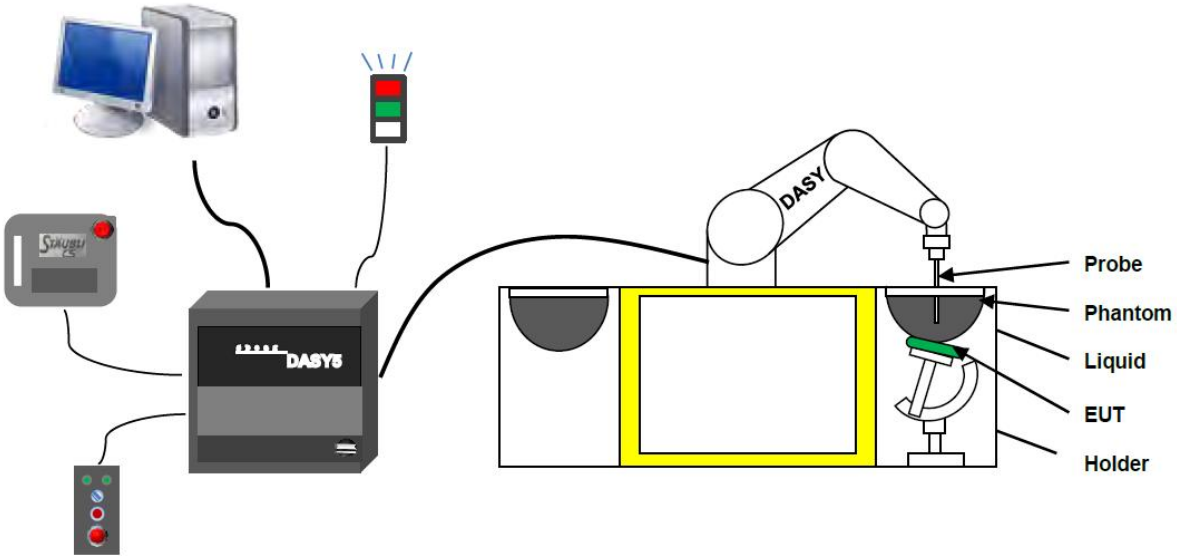
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{2}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

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

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



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

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

4.2.2 Robot

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

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

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4-SN:7506 with following specifications is used.

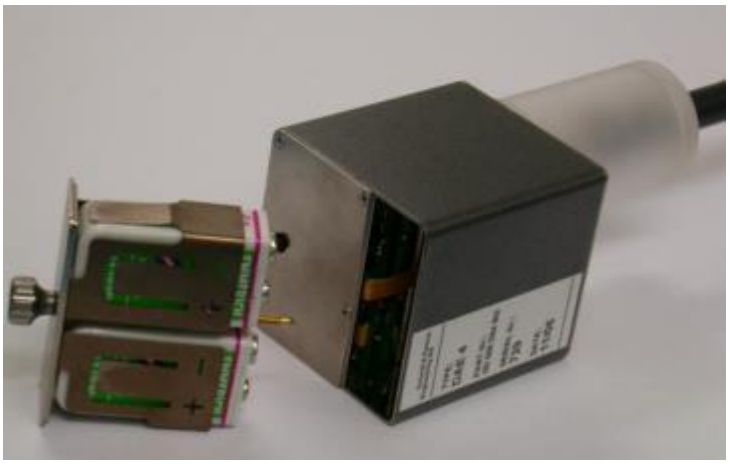
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz;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

E-Field Probe Calibration Process

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

4.2.4 Data Acquisition Electronics

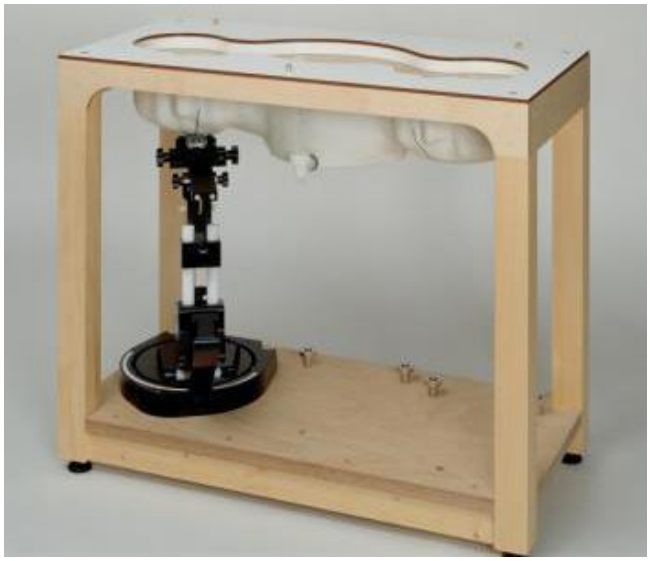
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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



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

4.2.5 Phantoms

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



- Left head
- Right head
- Flat phantom

Photo of Phantom SN1576

Serial Number	Material	Length	Height
SN 1576 SAM1	Vinylester, glass fiber reinforced	1000	500

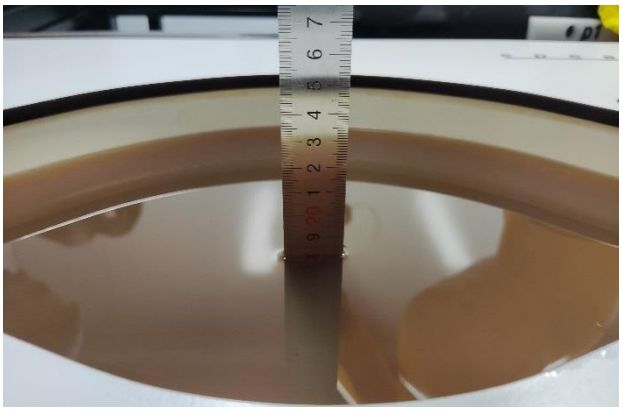
4.2.6 Device Holder

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

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

4.2.7 Simulating Liquid

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

Head Liquid Depth	Body Liquid Depth
	

The following table gives the recipes for tissue simulating liquid.

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

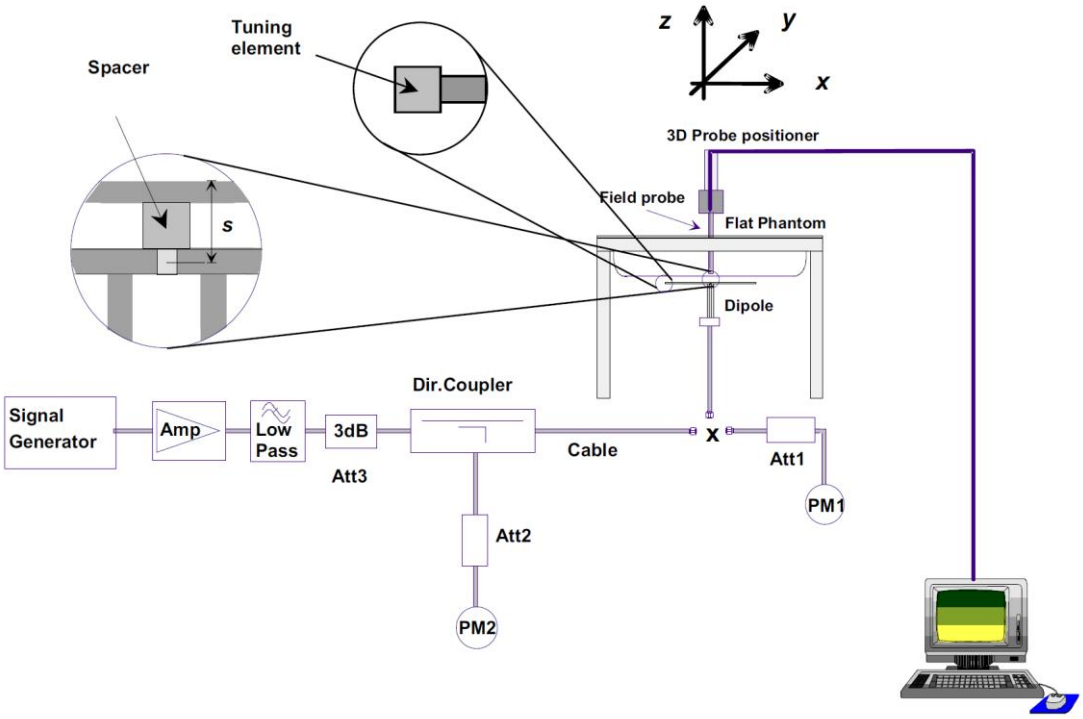
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

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

5.2 System Check Setup

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



6 TEST POSITION CONFIGURATIONS

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

6.1 Head Exposure Conditions

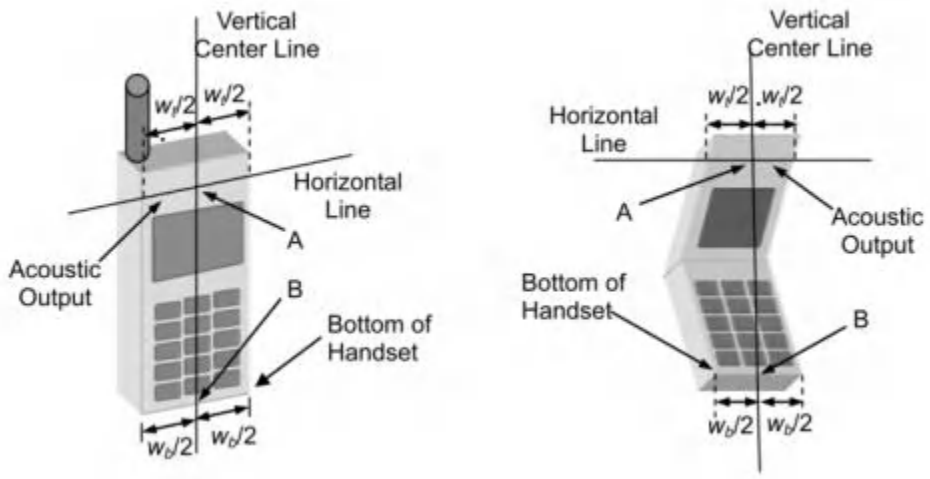
Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

6.1.1 Two Imaginary Lines on the Handset

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

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

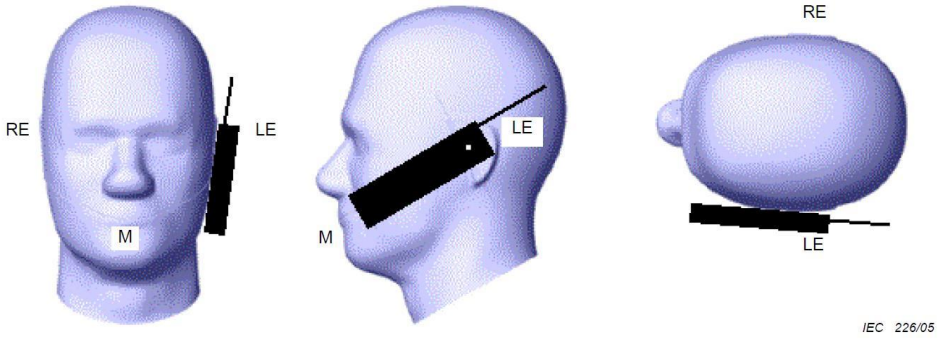
(c) The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset,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



6.1.2 Cheek Position

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

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



6.1.3 Tilted Position

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

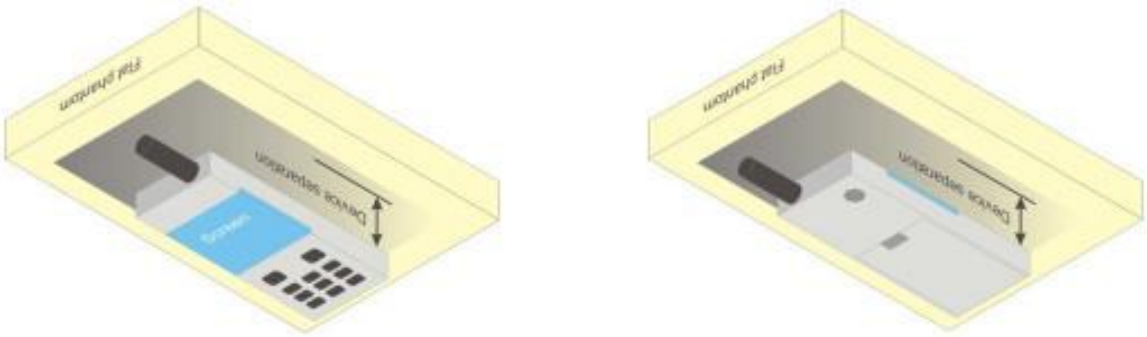
(b) While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

6.2 Body-worn Position Conditions

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

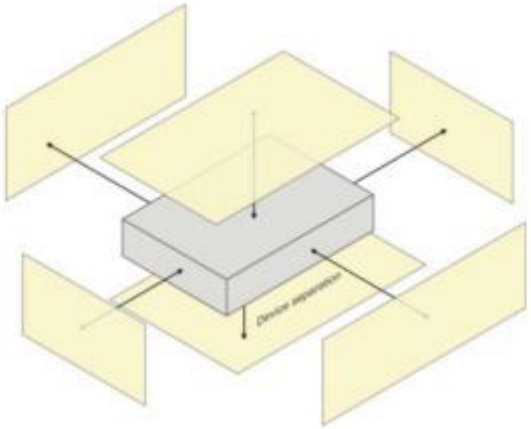
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

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



6.3 Hotspot Mode Exposure Position Conditions

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



6.4 Product Specific 10g Exposure Consideration

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

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

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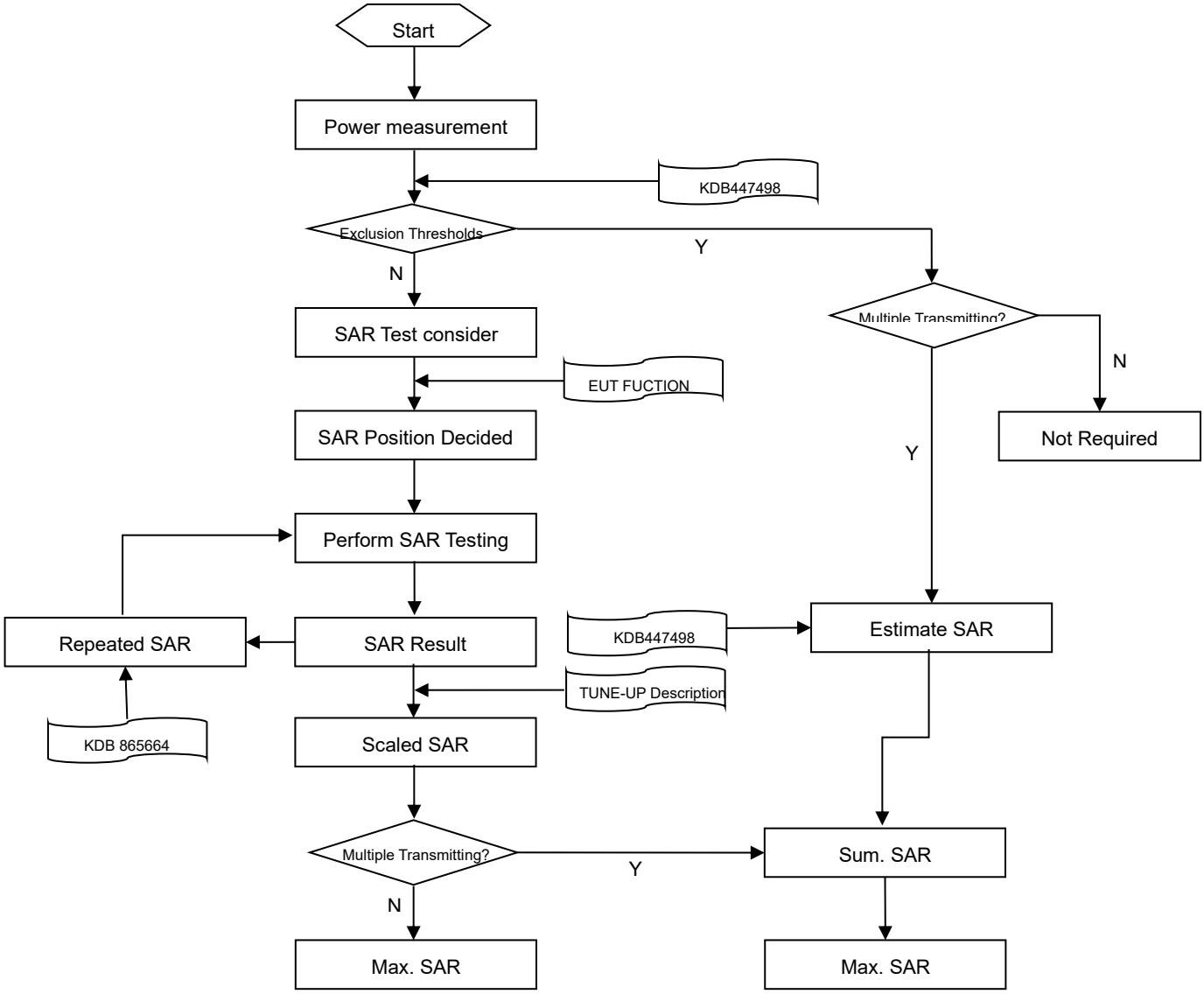
7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

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

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="7">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="4">graded grid</td><td rowspan="3">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="3">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><td colspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td rowspan="3">Minimum zoom scan volume</td><td colspan="2" rowspan="3">x, y, z</td><td rowspan="3">≥30 mm</td><td>3–4 GHz: ≥ 28 mm</td></tr>
<tr><td>4–5 GHz: ≥ 25 mm</td></tr>
<tr><td>5–6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">Note:
1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.</td></tr>
</table>

7.3 Measurement Procedure

The following steps are used for each test position

a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface

b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.

c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.

d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 *32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

8 CONDUCTED RF OUPUT POWER

8.1 GSM

Please refer the document “BL-SZ2420300-AP Power List.pdf”.

8.2 WCDMA

Please refer the document “BL-SZ2420300-AP Power List.pdf”.

8.3 LTE

Please refer the document “BL-SZ2420300-AP 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	14.66	15.00	No
		2	2417	15.07	16.00	No
		3	2422	13.95	14.00	No
		4	2427	12.87	13.00	No
		5	2432	10.89	11.00	No
		6	2437	12.02	13.00	No
		7	2442	10.15	11.00	No
		8	2447	12.72	13.00	No
		9	2452	14.05	15.00	No
		10	2457	12.94	13.00	No
		11	2462	11.13	12.00	No
	802.11g	1	2412	11.28	12.00	No
		2	2417	18.48	19.00	No
		6	2437	15.89	16.00	No
		9	2452	18.64	19.00	No
		10	2457	16.91	17.00	No
		11	2462	11.18	12.00	No
	802.11n(HT20)	1	2412	11.22	12.00	No
		2	2417	18.88	19.00	No
		6	2437	16.00	16.00	No
		7	2442	14.27	15.00	No
		8	2447	17.93	18.00	No
		9	2452	13.46	14.00	No
		10	2457	15.94	16.00	No
		11	2462	9.40	10.00	No
	802.11n(HT40)	3	2422	12.01	11.00	No
		4	2427	16.09	13.00	No
		5	2432	16.15	17.00	No
		6	2437	13.99	14.00	No
		7	2442	13.37	14.00	No
		8	2447	18.85	13.00	No
		9	2452	6.07	7.00	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.

8.4.2 2.4G WIFI-Level1

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	14.66	15.00	Yes
		2	2417	**15.07**	16.00	Yes
		3	2422	13.95	14.00	No
		4	2427	12.87	13.00	No
		5	2432	10.89	11.00	No
		6	2437	12.02	13.00	No
		7	2442	10.15	11.00	No
		8	2447	12.72	13.00	No
		9	2452	14.05	15.00	Yes
		10	2457	12.94	13.00	No
		11	2462	11.13	12.00	No
	802.11g	1	2412	11.28	12.00	No
		2	2417	**17.32**	18.00	Yes
		6	2437	15.89	16.00	No
		9	2452	17.13	18.00	Yes
		10	2457	16.91	17.00	Yes
		11	2462	11.18	12.00	No
	802.11n(HT20)	1	2412	11.22	12.00	No
		2	2417	17.56	18.00	No
		6	2437	16.00	16.00	No
		7	2442	14.27	15.00	No
		8	2447	17.93	18.00	No
		9	2452	13.46	14.00	No
		10	2457	15.94	16.00	No
		11	2462	9.40	10.00	No
	802.11n(HT40)	3	2422	10.23	11.00	No
		4	2427	12.11	13.00	No
		5	2432	16.15	17.00	No
		6	2437	13.99	14.00	No
		7	2442	13.37	14.00	No
		8	2447	12.19	13.00	No
		9	2452	6.07	7.00	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.

8.4.3 2.4G WIFI-Level2

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	13.34	14.00	Yes
		2	2417	**13.89**	14.00	Yes
		3	2422	13.81	14.00	Yes
		4	2427	12.87	13.00	No
		5	2432	10.89	11.00	No
		6	2437	12.02	13.00	No
		7	2442	10.15	11.00	No
		8	2447	12.72	13.00	No
		9	2452	13.88	14.00	Yes
		10	2457	12.94	13.00	No
		11	2462	11.13	12.00	No
	802.11g	1	2412	11.28	12.00	No
		2	2417	13.18	14.00	No
		6	2437	13.33	14.00	No
		9	2452	13.19	14.00	No
		10	2457	13.32	14.00	No
		11	2462	11.18	12.00	No
	802.11n(HT20)	1	2412	11.22	12.00	No
		2	2417	13.08	14.00	No
		6	2437	13.15	14.00	No
		7	2442	13.08	14.00	No
		8	2447	13.32	14.00	No
		9	2452	13.46	14.00	No
		10	2457	13.08	14.00	No
		11	2462	9.40	10.00	No
	802.11n(HT40)	3	2422	10.23	11.00	No
		4	2427	12.11	13.00	No
		5	2432	13.19	14.00	No
		6	2437	13.99	14.00	No
		7	2442	13.37	14.00	No
		8	2447	12.19	13.00	No
		9	2452	6.07	7.00	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.

8.4.4 2.4G WIFI-Level3

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	14.13	15.00	Yes
		2	2417	**15.71**	16.00	Yes
		3	2422	13.81	14.00	No
		4	2427	12.87	13.00	No
		5	2432	10.89	11.00	No
		6	2437	12.02	13.00	No
		7	2442	10.15	11.00	No
		8	2447	12.72	13.00	No
		9	2452	14.87	15.00	Yes
		10	2457	12.94	13.00	No
		11	2462	11.13	12.00	No
	802.11g	1	2412	11.28	12.00	No
		2	2417	18.89	19.00	Yes
		6	2437	15.22	16.00	No
		9	2452	**18.63**	19.00	Yes
		10	2457	17.21	17.00	Yes
		11	2462	11.18	12.00	No
	802.11n(HT20)	1	2412	11.22	12.00	No
		2	2417	18.88	19.00	No
		6	2437	16.00	16.00	No
		7	2442	14.27	15.00	No
		8	2447	17.93	18.00	No
		9	2452	13.46	14.00	No
		10	2457	15.94	16.00	No
		11	2462	9.40	10.00	No
	802.11n(HT40)	3	2422	10.23	11.00	No
		4	2427	12.11	13.00	No
		5	2432	16.15	17.00	No
		6	2437	13.99	14.00	No
		7	2442	13.37	14.00	No
		8	2447	12.19	13.00	No
		9	2452	6.07	7.00	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.

8.4.5 2.4G WIFI-Level4

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	14.13	15.00	Yes
		2	2417	**15.71**	16.00	Yes
		3	2422	13.81	14.00	No
		4	2427	12.87	13.00	No
		5	2432	10.89	11.00	No
		6	2437	12.02	13.00	No
		7	2442	10.15	11.00	No
		8	2447	12.72	13.00	No
		9	2452	14.87	15.00	Yes
		10	2457	12.94	13.00	No
		11	2462	11.13	12.00	No
	802.11g	1	2412	11.28	12.00	No
		2	2417	16.10	17.00	Yes
		6	2437	15.22	16.00	No
		9	2452	16.01	17.00	Yes
		10	2457	**16.21**	17.00	Yes
		11	2462	11.18	12.00	No
	802.11n(HT20)	1	2412	11.22	12.00	No
		2	2417	16.14	17.00	No
		6	2437	16.00	16.00	No
		7	2442	14.27	15.00	No
		8	2447	16.28	17.00	No
		9	2452	13.46	14.00	No
		10	2457	15.94	16.00	No
		11	2462	9.40	10.00	No
	802.11n(HT40)	3	2422	10.23	11.00	No
		4	2427	12.11	13.00	No
		5	2432	16.15	17.00	No
		6	2437	13.99	14.00	No
		7	2442	13.37	14.00	No
		8	2447	12.19	13.00	No
		9	2452	6.07	7.00	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.

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	13.07	12.50	No
		44	5220	18.17	18.50	No
		48	5240	18.28	18.50	No
	802.11n(HT20)	36	5180	12.35	10.50	No
		44	5220	18.37	18.50	No
		48	5240	17.53	18.50	No
	802.11n(HT40)	38	5190	8.45	8.50	No
		46	5230	17.42	17.50	No
	802.11ac(VHT20)	36	5180	13.24	13.50	No
		44	5220	17.58	18.50	No
		48	5240	17.64	18.50	No
	802.11ac(VHT40)	38	5190	11.44	11.50	No
		46	5230	18.45	18.50	No
	802.11ac(VHT80)	42	5210	11.38	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	18.15	18.50	No
		60	5300	18.29	18.50	No
		64	5320	12.06	12.50	No
	802.11n(HT20)	52	5260	18.44	18.50	No
		60	5300	18.43	18.50	No
		64	5320	14.43	14.50	No
	802.11n(HT40)	54	5270	18.25	18.50	No
		62	5310	9.45	9.50	No
	802.11ac(VHT20)	52	5260	18.32	18.50	No
		60	5300	18.21	18.50	No
		64	5320	10.48	10.50	No
	802.11ac(VHT40)	54	5270	18.21	18.50	No
		62	5310	10.31	10.50	No
	802.11ac(VHT80)	58	5290	12.36	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.40	12.50	No
		116	5580	17.77	18.50	No
		140	5700	9.00	9.50	No
	802.11n(HT20)	100	5500	10.88	10.50	No
		116	5580	18.44	18.50	No
		140	5700	9.01	9.50	No
	802.11n(HT40)	102	5510	8.59	6.50	No
		118	5590	18.28	18.50	No

		134	5670	11.37	11.50	No
	802.11ac(VHT20)	100	5500	10.13	10.50	No
		116	5580	18.60	18.80	No
		140	5700	9.53	11.50	No
	802.11ac(VHT40)	102	5510	8.83	6.50	No
		118	5590	18.36	18.50	No
		134	5670	18.32	11.50	No
	802.11ac(VHT80)	106	5530	13.22	13.50	No
		122	5690	18.00	18.50	No
5.8 (5.725~5.850)	802.11a	149	5745	17.94	16.50	No
		157	5785	17.67	18.50	No
		165	5825	18.38	18.50	No
	802.11n(HT20)	149	5745	17.45	12.50	No
		157	5785	16.93	17.50	No
		165	5825	16.95	17.50	No
	802.11n(HT40)	151	5755	18.11	8.50	No
		159	5795	18.26	18.50	No
	802.11ac(VHT20)	149	5745	17.88	12.50	No
		157	5785	17.59	18.50	No
		165	5825	18.20	16.50	No
	802.11ac(VHT40)	151	5755	18.45	8.50	No
		159	5795	18.35	18.50	No
	802.11ac(VHT80)	155	5775	16.38	12.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.4.7 5G WIFI-Level1

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	12.33	12.50	No
		44	5220	17.08	17.50	No
		48	5240	17.27	17.50	No
	802.11n(HT20)	36	5180	10.19	10.50	No
		44	5220	17.24	17.50	No
		48	5240	17.14	17.50	No
	802.11n(HT40)	38	5190	8.45	8.50	No
		46	5230	17.42	17.50	No
	802.11ac(VHT20)	36	5180	13.24	13.50	No
		44	5220	17.33	17.50	No
		48	5240	17.25	17.50	No
	802.11ac(VHT40)	38	5190	11.44	11.50	No
		46	5230	17.18	17.50	No
	802.11ac(VHT80)	42	5210	11.38	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.13	17.50	No
		60	5300	17.26	17.50	No
		64	5320	12.06	12.50	No
	802.11n(HT20)	52	5260	17.15	17.50	No
		60	5300	17.34	17.50	No
		64	5320	14.43	14.50	No
	802.11n(HT40)	54	5270	**16.65**	17.50	Yes
		62	5310	8.80	9.50	Yes
	802.11ac(VHT20)	52	5260	17.26	17.50	No
		60	5300	17.14	17.50	No
		64	5320	10.48	10.50	No
	802.11ac(VHT40)	54	5270	17.21	17.50	No
		62	5310	10.31	10.50	No
	802.11ac(VHT80)	58	5290	12.36	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.40	12.50	No
		116	5580	17.77	18.50	No
		140	5700	9.00	9.50	No
	802.11n(HT20)	100	5500	10.32	10.50	No
		116	5580	18.44	18.50	No
		140	5700	9.01	9.50	No
	802.11n(HT40)	102	5510	6.05	6.50	No
		118	5590	18.28	18.50	No

		134	5670	11.37	11.50	No
	802.11ac(VHT20)	100	5500	10.13	10.50	No
		116	5580	18.32	18.50	No
		140	5700	9.53	11.50	No
	802.11ac(VHT40)	102	5510	6.29	6.50	No
		118	5590	18.36	18.50	No
		134	5670	11.29	11.50	No
	802.11ac(VHT80)	106	5530	12.62	13.50	Yes
		122	5690	**18.21**	18.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	16.21	16.50	No
		157	5785	17.67	18.50	No
		165	5825	18.38	18.50	No
	802.11n(HT20)	149	5745	12.14	12.50	No
		157	5785	16.93	17.50	No
		165	5825	16.95	17.50	No
	802.11n(HT40)	151	5755	8.25	8.50	Yes
		159	5795	**17.69**	18.50	Yes
	802.11ac(VHT20)	149	5745	12.19	12.50	No
		157	5785	17.59	18.50	No
		165	5825	16.13	16.50	No
	802.11ac(VHT40)	151	5755	8.07	8.50	No
		159	5795	18.35	18.50	No
	802.11ac(VHT80)	155	5775	12.12	12.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.4.8 5G WIFI-Level2

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	12.33	12.50	No
		44	5220	13.14	13.50	No
		48	5240	13.06	13.50	No
	802.11n(HT20)	36	5180	10.19	10.50	No
		44	5220	13.23	13.50	No
		48	5240	13.24	13.50	No
	802.11n(HT40)	38	5190	8.45	8.50	No
		46	5230	13.20	13.50	No
	802.11ac(VHT20)	36	5180	13.24	13.50	No
		44	5220	13.27	13.50	No
		48	5240	13.23	13.50	No
	802.11ac(VHT40)	38	5190	11.44	11.50	No
		46	5230	13.33	13.50	No
	802.11ac(VHT80)	42	5210	11.38	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	13.25	13.50	No
		60	5300	13.19	13.50	No
		64	5320	12.06	12.50	No
	802.11n(HT20)	52	5260	13.13	13.50	No
		60	5300	13.31	13.50	No
		64	5320	13.35	13.50	No
	802.11n(HT40)	54	5270	**12.66**	13.50	Yes
		62	5310	8.80	9.50	Yes
	802.11ac(VHT20)	52	5260	13.29	13.50	No
		60	5300	13.35	13.50	No
		64	5320	10.48	10.50	No
	802.11ac(VHT40)	54	5270	13.13	13.50	No
		62	5310	10.31	10.50	No
	802.11ac(VHT80)	58	5290	12.36	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.40	12.50	No
		116	5580	14.32	14.50	No
		140	5700	9.00	9.50	No
	802.11n(HT20)	100	5500	10.32	10.50	No
		116	5580	14.08	14.50	No
		140	5700	9.01	9.50	No
	802.11n(HT40)	102	5510	6.05	6.50	No
		118	5590	13.81	14.50	No

		134	5670	11.17	11.50	No
	802.11ac(VHT20)	100	5500	10.13	10.50	No
		116	5580	14.16	14.50	No
		140	5700	9.53	11.50	No
	802.11ac(VHT40)	102	5510	6.29	6.50	No
		118	5590	14.32	14.50	No
		134	5670	11.29	11.50	No
	802.11ac(VHT80)	106	5530	13.22	13.50	Yes
		122	5690	**14.29**	14.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	14.24	14.50	No
		157	5785	14.35	14.50	No
		165	5825	14.06	14.50	No
	802.11n(HT20)	149	5745	12.14	12.50	No
		157	5785	14.08	14.50	No
		165	5825	14.35	14.50	No
	802.11n(HT40)	151	5755	8.25	8.50	Yes
		159	5795	**13.68**	14.50	Yes
	802.11ac(VHT20)	149	5745	12.19	12.50	No
		157	5785	14.16	14.50	No
		165	5825	14.19	14.50	No
	802.11ac(VHT40)	151	5755	8.07	8.50	No
		159	5795	14.11	14.50	No
	802.11ac(VHT80)	155	5775	12.12	12.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.4.9 5G WIFI-Level3

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	12.33	12.50	No
		44	5220	17.08	17.50	No
		48	5240	17.27	17.50	No
	802.11n(HT20)	36	5180	10.19	10.50	No
		44	5220	17.24	17.50	No
		48	5240	17.14	17.50	No
	802.11n(HT40)	38	5190	8.45	8.50	No
		46	5230	17.42	17.50	No
	802.11ac(VHT20)	36	5180	13.24	13.50	No
		44	5220	17.33	17.50	No
		48	5240	17.25	17.50	No
	802.11ac(VHT40)	38	5190	11.44	11.50	No
		46	5230	17.18	17.50	No
	802.11ac(VHT80)	42	5210	11.38	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	17.13	17.50	No
		60	5300	17.26	17.50	No
		64	5320	12.06	12.50	No
	802.11n(HT20)	52	5260	17.15	17.50	No
		60	5300	17.34	17.50	No
		64	5320	14.43	14.50	No
	802.11n(HT40)	54	5270	**16.65**	17.50	Yes
		62	5310	8.80	9.50	Yes
	802.11ac(VHT20)	52	5260	17.26	17.50	No
		60	5300	17.14	17.50	No
		64	5320	10.48	10.50	No
	802.11ac(VHT40)	54	5270	17.21	17.50	No
		62	5310	10.31	10.50	No
	802.11ac(VHT80)	58	5290	12.36	12.50	No
5.6 (5.47~5.725)	802.11a	100	5500	12.40	12.50	No
		116	5580	17.77	18.50	No
		140	5700	9.00	9.50	No
	802.11n(HT20)	100	5500	10.32	10.50	No
		116	5580	18.44	18.50	No
		140	5700	9.01	9.50	No
	802.11n(HT40)	102	5510	6.05	6.50	Yes
		118	5590	**18.28**	18.50	Yes

		134	5670	11.37	11.50	Yes
	802.11ac(VHT20)	100	5500	10.13	10.50	No
		116	5580	18.32	18.50	No
		140	5700	9.53	11.50	No
	802.11ac(VHT40)	102	5510	6.29	6.50	No
		118	5590	18.36	18.50	No
		134	5670	11.29	11.50	No
	802.11ac(VHT80)	106	5530	12.62	13.50	No
		122	5690	18.21	18.50	No
5.8 (5.725~5.850)	802.11a	149	5745	17.94	16.50	No
		157	5785	17.67	18.50	No
		165	5825	18.38	18.50	No
	802.11n(HT20)	149	5745	12.14	12.50	No
		157	5785	16.93	17.50	No
		165	5825	16.95	17.50	No
	802.11n(HT40)	151	5755	8.25	8.50	Yes
		159	5795	**17.69**	18.50	Yes
	802.11ac(VHT20)	149	5745	12.19	12.50	No
		157	5785	17.59	18.50	No
		165	5825	6.08	6.50	No
	802.11ac(VHT40)	151	5755	8.07	8.50	No
		159	5795	18.35	18.50	No
	802.11ac(VHT80)	155	5775	12.12	12.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.4.10 5G WIFI-Level4

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	12.33	12.50	No
		44	5220	12.24	12.50	No
		48	5240	12.31	12.50	No
	802.11n(HT20)	36	5180	10.19	10.50	No
		44	5220	12.33	12.50	No
		48	5240	12.12	12.50	No
	802.11n(HT40)	38	5190	8.44	8.50	Yes
		46	5230	**11.36**	12.50	Yes
	802.11ac(VHT20)	36	5180	12.15	12.50	No
		44	5220	12.15	12.50	No
		48	5240	12.26	12.50	No
	802.11ac(VHT40)	38	5190	11.44	11.50	No
		46	5230	12.17	12.50	No
	802.11ac(VHT80)	42	5210	11.38	11.50	No
5.3 (5.25~5.35)	802.11a	52	5260	12.23	12.50	No
		60	5300	12.32	12.50	No
		64	5320	12.06	12.50	No
	802.11n(HT20)	52	5260	12.29	12.50	No
		60	5300	12.12	12.50	No
		64	5320	12.14	12.50	No
	802.11n(HT40)	54	5270	11.88	12.50	No
		62	5310	8.80	9.50	No
	802.11ac(VHT20)	52	5260	12.10	12.50	No
		60	5300	12.14	12.50	No
		64	5320	10.48	10.50	No
	802.11ac(VHT40)	54	5270	12.30	12.50	No
		62	5310	10.31	10.50	No
	802.11ac(VHT80)	58	5290	**11.53**	12.50	Yes
5.6 (5.47~5.725)	802.11a	100	5500	12.40	12.50	No
		116	5580	14.24	14.50	No
		140	5700	9.00	9.50	No
	802.11n(HT20)	100	5500	10.32	10.50	No
		116	5580	14.05	14.50	No
		140	5700	9.01	9.50	No
	802.11n(HT40)	102	5510	6.05	6.50	No
		118	5590	14.10	14.50	No

		134	5670	11.37	11.50	No
	802.11ac(VHT20)	100	5500	10.13	10.50	No
		116	5580	14.11	14.50	No
		140	5700	9.53	11.50	No
	802.11ac(VHT40)	102	5510	6.29	6.50	No
		118	5590	14.19	14.50	No
		134	5670	11.29	11.50	No
	802.11ac(VHT80)	106	5530	12.62	13.50	Yes
		122	5690	**14.33**	14.50	Yes
5.8 (5.725~5.850)	802.11a	149	5745	15.32	15.50	No
		157	5785	15.23	15.50	No
		165	5825	15.16	15.50	No
	802.11n(HT20)	149	5745	12.14	12.50	No
		157	5785	15.22	15.50	No
		165	5825	15.06	15.50	No
	802.11n(HT40)	151	5755	8.25	8.50	Yes
		159	5795	**14.77**	15.50	Yes
	802.11ac(VHT20)	149	5745	12.19	12.50	No
		157	5785	15.17	15.50	No
		165	5825	15.10	15.50	No
	802.11ac(VHT40)	151	5755	8.07	8.50	No
		159	5795	15.18	15.50	No
	802.11ac(VHT80)	155	5775	12.12	12.50	No
Note: When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.						

8.5 Bluetooth

Mode	GFSK			π/4-DQPSK		
Channel	0	39	78	0	39	78
Frequency (MHz)	2402	2441	2480	2402	2441	2480
Conducted Power (dBm)	10.22	10.33	**10.53**	6.94	6.90	6.71
Tune-Up Limit (dBm)	11.50	11.50	11.50	8.50	8.50	8.50
SAR Test Require	YES	YES	YES	NO	NO	NO
Mode	8-DPSK			/		
Channel	0	39	78	/	/	/
Frequency (MHz)	2402	2441	2480	/	/	/
Conducted Power (dBm)	6.90	6.80	6.71	/	/	/
Tune-Up Limit (dBm)	8.50	8.50	8.50	/	/	/
SAR Test Require	NO	NO	NO	/	/	/
Mode	BLE-1Mbps			BLE-2Mbps		
Channel	0	19	39	0	19	39
Frequency (MHz)	2402	2440	2480	2402	2440	2480
Conducted Power (dBm)	2.00	1.70	1.63	2.26	1.54	1.18
Tune-Up Limit (dBm)	3.00	3.00	3.00	3.00	3.00	3.00
SAR Test Require	NO	NO	NO	NO	NO	NO
Note 1: Since bluetooth BR mode is the maximum output power mode，SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

8.6 Power Reduction List

1. This mobile phone device supports the receiver detection mechanism .This device uses the receiver to indicate whether the user is making a call in head.
2. When device is making call in head, and the receiver will work, the power reduction will applied for SAR compliance.
3. When there is a voice call (including VOIP), the audio is actively routed through the headset or speaker, and the receiver will not work, which indicating the body exposure conditions will trigger the body/Limbs 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 State	Receiver state	Transmitting conditions
State1	On (Head scenario)	WWAN Only&WWAN+BT
State2	On (Head scenario)	WWAN + WLAN 2.4G; WWAN + WLAN 5G + BT
State3	Off (Body scenario)	WWAN Only&WWAN+BT
State4	Off (Body scenario)	WWAN + WLAN 2.4G; WWAN + WLAN 5G + BT

Mode	Antenna	WWAN Antenna2				
		Full Power	Head		Body	
			Receiver on		Receiver off	
					Body-worn/Specific	Body-worn/Hotspot/Specific
			State1	State2	State3	State4
GSM 850	ANT1	33.50	32.50	32.50	33.50	33.50
GPRS850 1 Tx Slot	ANT1	33.50	32.50	32.50	33.50	33.50
GPRS850 2 Tx Slots	ANT1	32.00	30.50	30.50	32.00	32.00
GPRS850 3 Tx Slots	ANT1	30.50	29.50	29.50	30.50	30.50
GPRS850 4 Tx Slots	ANT1	29.00	27.00	27.00	29.00	29.00
EGPRS850 1 Tx Slot	ANT1	27.50	24.00	24.00	27.50	27.50
EGPRS850 2 Tx Slots	ANT1	25.50	22.00	22.00	25.50	25.50
EGPRS850 3 Tx Slots	ANT1	23.50	20.00	20.00	23.50	23.50
EGPRS850 4 Tx Slots	ANT1	22.50	18.00	18.00	22.50	22.50
GSM 1900	ANT1	30.50	26.50	26.50	29.50	29.50
GPRS1900 1 Tx Slot	ANT1	30.50	26.50	26.50	29.50	29.50
GPRS1900 2 Tx Slots	ANT1	28.50	24.50	24.50	27.50	27.50
GPRS1900 3 Tx Slots	ANT1	27.50	23.50	23.50	26.50	26.50
GPRS1900 4 Tx Slots	ANT1	25.50	21.50	21.50	24.50	24.50

EGPRS1900 1 Tx Slot	ANT1	28.00	24.00	24.00	27.00	27.00
EGPRS1900 2 Tx Slots	ANT1	25.00	21.50	21.50	24.00	24.00
EGPRS1900 3 Tx Slots	ANT1	23.00	15.00	15.00	22.00	22.00
EGPRS1900 4 Tx Slots	ANT1	22.50	13.00	13.00	18.50	18.50
WCDMA Band2 RMC	ANT1	24.00	16.00	16.00	21.00	20.00
AMR	ANT1	24.00	16.00	16.00	21.00	20.00
HSDPA Subtest-1	ANT1	23.00	15.50	15.50	20.00	19.00
HSDPA Subtest-2	ANT1	23.00	15.50	15.50	20.00	19.00
HSDPA Subtest-3	ANT1	23.00	15.00	15.00	20.00	19.00
HSDPA Subtest-4	ANT1	23.00	15.00	15.00	20.00	19.00
DC-HSDPA Subtest-1	ANT1	23.00	15.50	15.50	20.00	19.00
DC-HSDPA Subtest-2	ANT1	23.00	15.50	15.50	20.00	19.00
DC-HSDPA Subtest-3	ANT1	23.00	15.00	15.00	20.00	19.00
DC-HSDPA Subtest-4	ANT1	23.00	15.00	15.00	20.00	19.00
HSUPA Subtest-1	ANT1	22.50	15.00	15.00	19.50	18.50
HSUPA Subtest-2	ANT1	22.00	13.50	13.50	19.00	18.00
HSUPA Subtest-3	ANT1	22.00	13.00	13.00	19.00	18.00
HSUPA Subtest-4	ANT1	22.50	14.00	14.00	19.50	18.50
HSUPA Subtest-5	ANT1	23.50	15.50	15.50	20.50	19.50
HSPA+	ANT1	22.00	13.50	13.50	19.00	18.00
WCDMA Band4 RMC	ANT1	24.00	17.50	17.50	21.00	20.50
AMR	ANT1	24.00	17.50	17.50	21.00	20.50
HSDPA Subtest-1	ANT1	23.50	17.00	17.00	20.50	20.00
HSDPA Subtest-2	ANT1	23.50	17.00	17.00	20.50	20.00
HSDPA Subtest-3	ANT1	23.50	16.50	16.50	20.50	20.00
HSDPA Subtest-4	ANT1	23.50	16.50	16.50	20.50	20.00
DC-HSDPA Subtest-1	ANT1	23.50	17.00	17.00	20.50	20.00
DC-HSDPA Subtest-2	ANT1	23.50	17.00	17.00	20.50	20.00
DC-HSDPA Subtest-3	ANT1	23.50	16.50	16.50	20.50	20.00
DC-HSDPA Subtest-4	ANT1	23.50	16.50	16.50	20.50	20.00
HSUPA Subtest-1	ANT1	23.00	16.50	16.50	20.00	19.50
HSUPA Subtest-2	ANT1	23.00	15.00	15.00	18.00	18.00
HSUPA Subtest-3	ANT1	23.00	15.00	15.00	18.00	18.00
HSUPA Subtest-4	ANT1	23.50	16.50	16.50	20.50	20.00
HSUPA Subtest-5	ANT1	23.50	17.00	17.00	20.50	20.00
HSPA+	ANT1	23.00	15.50	15.50	19.00	18.50
WCDMA Band5 RMC	ANT1	24.50	23.50	23.50	24.50	24.50
AMR	ANT1	24.50	23.50	23.50	24.50	24.50
HSDPA Subtest-1	ANT1	24.00	23.00	23.00	24.00	24.00
HSDPA Subtest-2	ANT1	24.00	23.00	23.00	24.00	24.00
HSDPA Subtest-3	ANT1	23.50	22.50	22.50	23.50	23.50
HSDPA Subtest-4	ANT1	23.50	22.50	22.50	23.50	23.50
DC-HSDPA Subtest-1	ANT1	24.00	23.00	23.00	24.00	24.00

DC-HSDPA Subtest-2	ANT1	24.00	23.00	23.00	24.00	24.00
DC-HSDPA Subtest-3	ANT1	23.50	22.50	22.50	23.50	23.50
DC-HSDPA Subtest-4	ANT1	23.50	22.50	22.50	23.50	23.50
HSUPA Subtest-1	ANT1	23.50	22.50	22.50	23.50	23.50
HSUPA Subtest-2	ANT1	22.50	21.50	21.50	22.50	22.50
HSUPA Subtest-3	ANT1	22.50	21.50	21.50	22.50	22.50
HSUPA Subtest-4	ANT1	23.50	22.50	22.50	23.50	23.50
HSUPA Subtest-5	ANT1	23.50	22.50	22.50	23.50	23.50
HSPA+	ANT1	22.50	21.50	21.50	22.50	22.50
LTE Band2	ANT1	23.50	18.00	18.00	21.50	21.00
LTE Band4	ANT1	23.50	18.50	18.00	21.00	20.50
LTE Band5	ANT1	24.50	23.00	23.00	24.50	24.50
LTE Band7	ANT1	23.50	17.50	17.50	20.00	20.00
LTE Band13	ANT1	24.50	24.50	24.50	24.50	24.50
LTE Band66	ANT1	24.00	18.00	18.00	21.50	20.50
LTE Band38	ANT1	24.00	20.00	20.00	23.00	23.00
LTE Band41	ANT1	24.00	20.00	20.00	23.00	23.00

Mode	Antenna	WWAN Antenna3				
		Full Power	Head		Body	
			Receiver on		Receiver off	
					Body-worn/Specific	Body-worn/Hotspot/Specific
			State1	State2	State3	State4
GSM 850	ANT0	33.50	33.50	33.50	33.50	33.50
GPRS850 1 Tx Slot	ANT0	33.50	33.50	33.50	33.50	33.50
GPRS850 2 Tx Slots	ANT0	31.50	31.50	31.50	31.50	31.50
GPRS850 3 Tx Slots	ANT0	30.50	30.50	30.50	30.50	30.50
GPRS850 4 Tx Slots	ANT0	28.00	28.00	28.00	28.00	28.00
EGPRS850 1 Tx Slot	ANT0	27.00	27.00	27.00	27.00	27.00
EGPRS850 2 Tx Slots	ANT0	26.00	26.00	26.00	26.00	26.00
EGPRS850 3 Tx Slots	ANT0	24.00	24.00	24.00	24.00	24.00
EGPRS850 4 Tx Slots	ANT0	22.00	22.00	22.00	22.00	22.00
GSM 1900	ANT0	30.50	30.50	30.50	30.50	29.50
GPRS1900 1 Tx Slot	ANT0	30.50	30.50	30.50	30.50	29.50
GPRS1900 2 Tx Slots	ANT0	28.50	28.50	28.50	28.50	27.50
GPRS1900 3 Tx Slots	ANT0	27.00	27.00	27.00	27.00	26.00
GPRS1900 4 Tx Slots	ANT0	25.00	25.00	25.00	25.00	24.00
EGPRS1900 1 Tx Slot	ANT0	26.50	26.50	26.50	26.50	25.50
EGPRS1900 2 Tx Slots	ANT0	25.00	25.00	25.00	25.00	24.00
EGPRS1900 3 Tx Slots	ANT0	23.00	23.00	23.00	23.00	21.00
EGPRS1900 4 Tx Slots	ANT0	21.00	21.00	21.00	21.00	18.00
WCDMA Band2 RMC	ANT0	24.00	24.00	24.00	21.00	20.50
AMR	ANT0	24.00	24.00	24.00	21.00	20.50

HSDPA Subtest-1	ANT0	23.00	23.00	23.00	20.50	19.50
HSDPA Subtest-2	ANT0	23.00	23.00	23.00	20.50	19.50
HSDPA Subtest-3	ANT0	23.00	23.00	23.00	20.50	19.50
HSDPA Subtest-4	ANT0	23.00	23.00	23.00	20.50	19.50
DC-HSDPA Subtest-1	ANT0	23.00	23.00	23.00	20.50	19.50
DC-HSDPA Subtest-2	ANT0	23.00	23.00	23.00	20.50	19.50
DC-HSDPA Subtest-3	ANT0	23.00	23.00	23.00	20.50	19.50
DC-HSDPA Subtest-4	ANT0	23.00	23.00	23.00	20.50	19.50
HSUPA Subtest-1	ANT0	22.50	22.50	22.50	20.00	19.00
HSUPA Subtest-2	ANT0	22.00	22.00	22.00	19.50	18.50
HSUPA Subtest-3	ANT0	22.00	22.00	22.00	19.50	18.50
HSUPA Subtest-4	ANT0	22.50	22.50	22.50	20.00	19.00
HSUPA Subtest-5	ANT0	23.50	23.50	23.50	21.00	20.00
HSPA+	ANT0	22.00	22.00	22.00	19.50	18.50
WCDMA Band4 RMC	ANT0	24.00	24.00	24.00	21.50	21.00
AMR	ANT0	24.00	24.00	24.00	21.50	21.00
HSDPA Subtest-1	ANT0	23.50	23.50	23.50	21.00	20.50
HSDPA Subtest-2	ANT0	23.50	23.50	23.50	21.00	20.50
HSDPA Subtest-3	ANT0	23.50	23.50	23.50	21.00	20.50
HSDPA Subtest-4	ANT0	23.50	23.50	23.50	21.00	20.50
DC-HSDPA Subtest-1	ANT0	23.50	23.50	23.50	21.00	20.50
DC-HSDPA Subtest-2	ANT0	23.50	23.50	23.50	21.00	20.50
DC-HSDPA Subtest-3	ANT0	23.50	23.50	23.50	21.00	20.50
DC-HSDPA Subtest-4	ANT0	23.50	23.50	23.50	21.00	20.50
HSUPA Subtest-1	ANT0	23.00	23.00	23.00	21.00	20.00
HSUPA Subtest-2	ANT0	22.00	22.00	22.00	20.00	19.50
HSUPA Subtest-3	ANT0	22.00	22.00	22.00	20.00	19.50
HSUPA Subtest-4	ANT0	23.50	23.50	23.50	21.50	20.50
HSUPA Subtest-5	ANT0	23.50	23.50	23.50	21.50	20.50
HSPA+	ANT0	22.00	22.00	22.00	20.00	19.50
WCDMA Band5 RMC	ANT0	24.50	24.50	24.50	24.50	24.00
AMR	ANT0	24.50	24.50	24.50	24.50	24.00
HSDPA Subtest-1	ANT0	24.00	24.00	24.00	24.00	23.50
HSDPA Subtest-2	ANT0	24.00	24.00	24.00	24.00	23.50
HSDPA Subtest-3	ANT0	23.50	23.50	23.50	23.50	23.00
HSDPA Subtest-4	ANT0	23.50	23.50	23.50	23.50	23.00
DC-HSDPA Subtest-1	ANT0	24.00	24.00	24.00	24.00	23.50
DC-HSDPA Subtest-2	ANT0	24.00	24.00	24.00	24.00	23.50
DC-HSDPA Subtest-3	ANT0	23.50	23.50	23.50	23.50	23.00
DC-HSDPA Subtest-4	ANT0	23.50	23.50	23.50	23.50	23.00
HSUPA Subtest-1	ANT0	23.50	23.50	23.50	23.50	23.00
HSUPA Subtest-2	ANT0	22.50	22.50	22.50	22.50	22.00
HSUPA Subtest-3	ANT0	22.50	22.50	22.50	22.50	22.00

HSUPA Subtest-4	ANT0	23.50	23.50	23.50	23.50	23.00
HSUPA Subtest-5	ANT0	23.50	23.50	23.50	23.50	23.00
HSPA+	ANT0	22.50	22.50	22.50	22.50	22.00
LTE Band2	ANT0	23.50	23.50	23.50	21.00	20.50
LTE Band4	ANT0	23.50	23.50	23.50	21.00	20.50
LTE Band5	ANT0	24.50	24.50	24.50	24.50	24.00
LTE Band7	ANT0	23.50	23.50	23.50	20.50	20.50
LTE Band12	ANT0	24.50	24.50	24.50	24.50	24.00
LTE Band66	ANT0	24.00	24.00	24.00	21.50	21.00
LTE Band38	ANT0	24.00	24.00	24.00	23.00	22.50
LTE Band41	ANT0	24.00	24.00	24.00	23.00	22.50

WLAN&BT Reduced power level table

Reduced State	Receiver state	Transmitting conditions
Level1	On (Head scenario)	WLAN 2.4G Only WLAN 5G Only BT Only
Level2	On (Head scenario)	WWAN + WLAN 2.4G; WWAN + WLAN 5G + BT
Level3	Off (Body scenario)	WLAN 2.4G Only WLAN 5G Only BT Only
Level4	Off (Body scenario)	WWAN + WLAN 2.4G; WWAN + WLAN 5G + BT

Mode	Antenna	WLAN Antenna3				
		Full Power	Head		Body	
			Receiver on		Receiver off	
					Body-worn/Specific	Body-worn/Hotspot/Specific
			Level1	Level2	Level3	Level4
2.4G WLAN 802.11b	ANT2	16.00	16.00	14.00	16.00	16.00
2.4G WLAN 802.11g	ANT2	19.00	18.00	14.00	19.00	17.00
2.4G WLAN 802.11n20	ANT2	19.00	18.00	14.00	19.00	17.00
2.4G WLAN 802.11n40	ANT2	17.00	17.00	14.00	17.00	17.00
5.2G WLAN 802.11a	ANT2	18.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11n20	ANT2	18.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11n40	ANT2	17.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11ac20	ANT2	18.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11ac40	ANT2	18.50	17.50	13.50	17.50	12.50
5.2G WLAN 802.11ac80	ANT2	11.50	11.50	11.50	11.50	11.50
5.3G WLAN 802.11a	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11n20	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11n40	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11ac20	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11ac40	ANT2	18.50	17.50	13.50	17.50	12.50
5.3G WLAN 802.11ac80	ANT2	12.50	12.50	12.50	12.50	12.50
5.6G WLAN 802.11a	ANT2	18.50	18.50	14.50	18.50	14.50
5.6G WLAN 802.11n20	ANT2	18.50	18.50	14.50	18.50	14.50
5.6G WLAN 802.11n40	ANT2	18.50	18.50	14.50	18.50	14.50
5.6G WLAN 802.11ac20	ANT2	18.80	18.50	14.50	18.50	14.50
5.6G WLAN 802.11ac40	ANT2	18.50	18.50	14.50	18.50	14.50
5.6G WLAN 802.11ac80	ANT2	18.50	18.50	14.50	18.50	14.50
5.8G WLAN 802.11a	ANT2	18.50	18.50	14.50	18.50	15.50
5.8G WLAN 802.11n20	ANT2	17.50	17.50	14.50	17.50	15.50
5.8G WLAN 802.11n40	ANT2	18.50	18.50	14.50	18.50	15.50

5.8G WLAN 802.11ac20	ANT2	18.50	18.50	14.50	18.50	15.50
5.8G WLAN 802.11ac40	ANT2	18.50	18.50	14.50	18.50	15.50
5.8G WLAN 802.11ac80	ANT2	12.50	12.50	12.50	12.50	12.50
Bluetooth	ANT2	11.50	11.50	11.50	11.50	11.50

9 TEST EXCLUSION CONSIDERATION

Please refer the document “BL-SZ2420300-AI EUT internal photo.pdf”.

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

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-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	3Slots	Left Cheek	0	190	836.6	-0.13	0.375	27.76	29.50	1.493	0.560	/
	State1&2		Left Tilt	0	190	836.6	0.14	0.332	27.76	29.50	1.493	0.496	/
	State1&2		Right Cheek	0	190	836.6	0.01	0.474	27.76	29.50	1.493	**0.708**	1#
	State1&2		Right Tilt	0	190	836.6	0.13	0.411	27.76	29.50	1.493	0.614	/
Ant.0	State1&2	3Slots	Left Cheek	0	190	836.6	-0.03	0.183	28.66	30.50	1.528	0.280	/
	State1&2		Left Tilt	0	190	836.6	-0.01	0.085	28.66	30.50	1.528	0.130	/
	State1&2		Right Cheek	0	190	836.6	0.07	0.194	28.66	30.50	1.528	0.296	/
	State1&2		Right Tilt	0	190	836.6	0.13	0.121	28.66	30.50	1.528	0.185	/
Body-worn													
Ant.1	State3&4	3Slots	Front Side	15	190	836.6	0.16	0.086	28.64	30.50	1.535	0.132	/
	State3&4		Back Side	15	190	836.6	0.02	0.130	28.64	30.50	1.535	**0.200**	2#
Ant.0	State3&4	3Slots	Front Side	15	190	836.6	0.08	0.081	28.66	30.50	1.528	0.124	/
	State3&4		Back Side	15	190	836.6	0.04	0.121	28.66	30.50	1.528	0.185	/
Hotspot													
Ant.1	State4	3Slots	Front Side	10	190	836.6	0.18	0.088	28.64	30.50	1.535	0.135	/
	State4		Back Side	10	190	836.6	-0.15	0.128	28.64	30.50	1.535	0.196	/
	State4		Right Edge	10	190	836.6	-0.14	0.046	28.64	30.50	1.535	0.071	/
	State4		Top Edge	10	190	836.6	0.04	0.130	28.64	30.50	1.535	0.200	/
Ant.0	State4	3Slots	Front Side	10	190	836.6	0.12	0.233	28.66	30.50	1.528	0.356	/
	State4		Back Side	10	190	836.6	0.17	0.365	28.66	30.50	1.528	0.558	/
	State4		Left Edge	10	190	836.6	-0.03	0.227	28.66	30.50	1.528	0.347	/
	State4		Right Edge	10	190	836.6	0.11	0.124	28.66	30.50	1.528	0.189	/
	State4		Bottom Edge	10	190	836.6	-0.07	0.393	28.66	30.50	1.528	**0.601**	3#

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-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	3Slots	Left Cheek	0	661	1880	0.17	0.447	22.36	23.50	1.300	0.581	/
	State1&2		Left Tilt	0	661	1880	-0.09	0.527	22.36	23.50	1.300	0.685	/
	State1&2		Right Cheek	0	661	1880	-0.12	0.611	22.36	23.50	1.300	0.794	/
	State1&2		Right Tilt	0	661	1880	0.11	0.674	22.36	23.50	1.300	0.876	/
	State1&2		Right Tilt	0	512	1850.2	0.04	0.653	22.30	23.50	1.318	0.861	/
	State1&2		Right Tilt	0	810	1909.8	-0.02	0.742	22.25	23.50	1.334	**0.990**	4#
Ant.0	State1&2	3Slots	Left Cheek	0	661	1880	-0.19	0.064	26.14	27.00	1.219	0.078	/
	State1&2		Left Tilt	0	661	1880	0.16	0.046	26.14	27.00	1.219	0.056	/
	State1&2		Right Cheek	0	661	1880	0.18	0.072	26.14	27.00	1.219	0.088	/
	State1&2		Right Tilt	0	661	1880	-0.19	0.042	26.14	27.00	1.219	0.051	/
Body-worn													
Ant.1	State3	3Slots	Front Side	15	661	1880	0.03	0.112	25.18	26.50	1.355	0.152	/
	State3		Back Side	15	661	1880	-0.05	0.163	25.18	26.50	1.355	**0.221**	5#
Ant.0	State3	3Slots	Front Side	15	661	1880	0.18	0.065	26.14	27.00	1.219	0.079	/
	State3		Back Side	15	661	1880	0.12	0.144	26.14	27.00	1.219	0.176	/
Hotspot													
Ant.1	State4	3Slots	Front Side	10	661	1880	-0.06	0.210	25.18	26.50	1.355	0.285	/
	State4		Back Side	10	661	1880	0.10	0.335	25.18	26.50	1.355	0.454	/
	State4		Right Edge	10	661	1880	0.19	0.046	25.18	26.50	1.355	0.062	/
	State4		Top Edge	10	661	1880	-0.11	0.562	25.18	26.50	1.355	**0.762**	6#
Ant.0	State4	3Slots	Front Side	10	661	1880	0.14	0.095	25.14	26.00	1.219	0.116	/
	State4		Back Side	10	661	1880	-0.13	0.226	25.14	26.00	1.219	0.275	/
	State4		Left Edge	10	661	1880	-0.17	0.006	25.14	26.00	1.219	0.007	/
	State4		Right Edge	10	661	1880	-0.14	0.053	25.14	26.00	1.219	0.065	/
	State4		Bottom Edge	10	661	1880	-0.12	0.083	25.14	26.00	1.219	0.101	/
	State4		Bottom Edge	10	512	1850.2	-0.15	0.407	25.12	26.00	1.225	0.499	/
	State4		Bottom Edge	10	810	1909.8	0.02	0.245	25.05	26.00	1.245	0.305	/
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)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.1	State3	3Slots	Top Edge	0	661	1880	-0.07	1.160	25.18	26.50	1.355	1.572	/
	State3		Top Edge	0	512	1850.2	-0.02	1.250	25.13	26.50	1.371	1.714	/
	State3		Top Edge	0	810	1909.8	-0.08	1.290	25.08	26.50	1.387	**1.789**	7#
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-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	RMC	Left Cheek	0	9400	1880	-0.01	0.488	15.32	16.00	1.169	0.570	/
	State1&2		Left Tilt	0	9400	1880	-0.03	0.606	15.32	16.00	1.169	0.708	/
	State1&2		Right Cheek	0	9400	1880	0.17	0.645	15.32	16.00	1.169	0.754	/
	State1&2		Right Tilt	0	9400	1880	-0.03	0.819	15.32	16.00	1.169	**0.957**	8#
	State1&2		Right Tilt	0	9262	1852.4	-0.04	0.755	15.23	16.00	1.194	0.901	/
	State1&2		Right Tilt	0	9538	1907.6	0.06	0.765	15.07	16.00	1.239	0.948	/
Ant.0	State1&2	RMC	Left Cheek	0	9400	1880	0.14	0.125	23.38	24.00	1.153	0.144	/
	State1&2		Left Tilt	0	9400	1880	-0.08	0.093	23.38	24.00	1.153	0.107	/
	State1&2		Right Cheek	0	9400	1880	0.18	0.132	23.38	24.00	1.153	0.152	/
	State1&2		Right Tilt	0	9400	1880	0.07	0.085	23.38	24.00	1.153	0.098	/
Body-worn													
Ant.1	State3	RMC	Front Side	15	9400	1880	-0.13	0.086	20.40	21.00	1.148	0.099	/
	State3		Back Side	15	9400	1880	-0.15	0.187	20.40	21.00	1.148	0.215	/
Ant.0	State3	RMC	Front Side	15	9400	1880	-0.13	0.144	20.42	21.00	1.143	0.165	/
	State3		Back Side	15	9400	1880	-0.15	0.271	20.42	21.00	1.143	**0.310**	9#
Hotspot													
Ant.2	State4	RMC	Front Side	10	9400	1880	0.09	0.372	19.62	20.00	1.091	0.406	/
	State4		Back Side	10	9400	1880	0.18	0.688	19.62	20.00	1.091	0.751	/
	State4		Right Edge	10	9400	1880	0.12	0.072	19.62	20.00	1.091	0.079	/
	State4		Top Edge	10	9400	1880	-0.10	0.954	19.62	20.00	1.091	1.041	/
	State4		Top Edge	10	9262	1852.4	-0.15	0.895	19.59	20.00	1.099	0.984	/
	State4		Top Edge	10	9538	1907.6	0.06	1.010	19.56	20.00	1.107	**1.118**	10#
Ant.0	State4	RMC	Front Side	10	9400	1880	0.07	0.138	20.00	20.50	1.122	0.155	/
	State4		Back Side	10	9400	1880	0.13	0.309	20.00	20.50	1.122	0.347	/
	State4		Left Edge	10	9400	1880	0.19	0.005	20.00	20.50	1.122	0.006	/
	State4		Right Edge	10	9400	1880	-0.06	0.084	20.00	20.50	1.122	0.094	/
	State4		Bottom Edge	10	9400	1880	-0.16	0.307	20.00	20.50	1.122	0.344	/
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)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.1	State3	RMC	Back Side	0	9262	1852.4	0.10	1.110	20.40	21.00	1.148	1.274	/
	State3		Back Side	0	9262	1852.4	-0.07	1.230	20.40	21.00	1.148	1.412	/
	State3		Back Side	0	9538	1907.6	-0.19	1.450	20.40	21.00	1.148	1.665	/
	State3		Top Edge	0	9262	1852.4	-0.01	1.860	20.40	21.00	1.148	**2.135**	11#
	State3		Top Edge	0	9262	1852.4	-0.13	1.630	20.29	21.00	1.178	1.920	/
	State3		Top Edge	0	9538	1907.6	0.02	1.710	20.31	21.00	1.172	2.004	/
Ant.1	State4	RMC	Back Side	0	9262	1852.4	0.16	0.965	19.62	20.00	1.091	1.053	/
	State4		Back Side	0	9262	1852.4	0.00	1.060	19.59	20.00	1.099	1.165	/
	State4		Back Side	0	9538	1907.6	0.13	1.250	19.56	20.00	1.107	1.384	/
	State4		Top Edge	0	9262	1852.4	-0.13	1.630	19.62	20.00	1.091	1.778	/
	State4		Top Edge	0	9262	1852.4	-0.04	1.440	19.59	20.00	1.099	1.583	/
	State4		Top Edge	0	9538	1907.6	0.12	1.560	19.56	20.00	1.107	1.727	/
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-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	RMC	Left Cheek	0	1312	1712.4	0.17	0.437	16.75	17.50	1.189	0.520	/
	State1&2		Left Tilt	0	1312	1712.4	0.05	0.533	16.75	17.50	1.189	0.634	/
	State1&2		Right Cheek	0	1312	1712.4	-0.03	0.581	16.75	17.50	1.189	0.691	/
	State1&2		Right Tilt	0	1312	1712.4	0.05	0.716	16.75	17.50	1.189	0.851	/
	State1&2		Right Tilt	0	1412	1732.4	0.11	0.735	16.61	17.50	1.227	0.902	/
	State1&2		Right Tilt	0	1513	1752.6	-0.06	0.756	16.70	17.50	1.202	**0.909**	12#
Ant.0	State1&2	RMC	Left Cheek	0	1312	1712.4	0.01	0.082	23.65	24.00	1.084	0.089	/
	State1&2		Left Tilt	0	1312	1712.4	0.05	0.056	23.65	24.00	1.084	0.061	/
	State1&2		Right Cheek	0	1312	1712.4	0.05	0.103	23.65	24.00	1.084	0.112	/
	State1&2		Right Tilt	0	1312	1712.4	-0.07	0.078	23.65	24.00	1.084	0.085	/
Body-worn													
Ant.1	State3	RMC	Front Side	15	1312	1712.4	-0.12	0.082	20.40	21.00	1.148	0.094	/
	State3		Back Side	15	1312	1712.4	-0.03	0.103	20.40	21.00	1.148	0.118	/
Ant.0	State3	RMC	Front Side	15	1312	1712.4	-0.04	0.062	21.22	21.50	1.067	0.066	/
	State3		Back Side	15	1312	1712.4	-0.08	0.137	21.22	21.50	1.067	**0.146**	13#
Hotspot													
Ant.1	State4	RMC	Front Side	10	1312	1712.4	-0.14	0.222	20.29	20.50	1.050	0.233	/
	State4		Back Side	10	1312	1712.4	-0.07	0.279	20.29	20.50	1.050	0.293	/
	State4		Right Edge	10	1312	1712.4	-0.15	0.040	20.29	20.50	1.050	0.042	/
	State4		Top Edge	10	1312	1712.4	-0.04	0.583	20.29	20.50	1.050	**0.612**	14#
Ant.0	State4	RMC	Front Side	10	1312	1712.4	-0.07	0.135	20.66	21.00	1.081	0.146	/
	State4		Back Side	10	1312	1712.4	-0.07	0.348	20.66	21.00	1.081	0.376	/
	State4		Left Edge	10	1312	1712.4	0.01	0.006	20.66	21.00	1.081	0.006	/
	State4		Right Edge	10	1312	1712.4	-0.04	0.081	20.66	21.00	1.081	0.088	/
	State4		Bottom Edge	10	1312	1712.4	0.05	0.506	20.66	21.00	1.081	0.547	/
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)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific													
Ant.1	State3	RMC	Top Edge	0	1312	1712.4	0.05	1.530	20.40	21.00	1.148	1.756	/
	State3		Top Edge	0	1412	1732.4	-0.07	1.550	20.31	21.00	1.172	1.817	/
	State3		Top Edge	0	1513	1752.6	-0.08	1.590	20.29	21.00	1.178	**1.873**	15#
Ant.1	State4	RMC	Top Edge	0	1312	1712.4	0.07	1.350	20.29	20.50	1.050	1.418	/
	State4		Top Edge	0	1412	1732.4	-0.09	1.360	20.28	20.50	1.052	1.431	/
	State4		Top Edge	0	1513	1752.6	0.05	1.430	20.28	20.50	1.052	1.504	/
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-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head													
Ant.1	State1&2	RMC	Left Cheek	0	4182	836.4	-0.07	0.423	22.79	23.50	1.178	0.498	/
	State1&2		Left Tilt	0	4182	836.4	-0.14	0.411	22.79	23.50	1.178	0.484	/
	State1&2		Right Cheek	0	4182	836.4	-0.02	0.539	22.79	23.50	1.178	**0.635**	16#
	State1&2		Right Tilt	0	4182	836.4	-0.11	0.511	22.79	23.50	1.178	0.602	/
Ant.0	State1&2	RMC	Left Cheek	0	4182	836.4	0.18	0.198	23.83	24.50	1.167	0.231	/
	State1&2		Left Tilt	0	4182	836.4	0.10	0.109	23.83	24.50	1.167	0.127	/
	State1&2		Right Cheek	0	4182	836.4	-0.16	0.210	23.83	24.50	1.167	0.245	/
	State1&2		Right Tilt	0	4182	836.4	0.04	0.143	23.83	24.50	1.167	0.167	/
Body-worn													
Ant.1	State3	RMC	Front Side	15	4182	836.4	0.10	0.081	24.02	24.50	1.117	0.090	/
	State3		Back Side	15	4182	836.4	0.17	0.109	24.02	24.50	1.117	0.122	/
Ant.0	State3	RMC	Front Side	15	4182	836.4	-0.05	0.168	23.83	24.50	1.167	0.196	/
	State3		Back Side	15	4182	836.4	-0.06	0.192	23.83	24.50	1.167	**0.224**	17#
Hotspot													
Ant.1	State4	RMC	Front Side	10	4182	836.4	-0.01	0.127	24.02	24.50	1.117	0.142	/
	State4		Back Side	10	4182	836.4	-0.06	0.215	24.02	24.50	1.117	0.240	/
	State4		Right Edge	10	4182	836.4	-0.13	0.067	24.02	24.50	1.117	0.075	/
	State4		Top Edge	10	4182	836.4	0.14	0.150	24.02	24.50	1.117	0.168	/
Ant.0	State4	RMC	Front Side	10	4182	846.6	-0.10	0.221	23.31	24.00	1.172	0.259	/
	State4		Back Side	10	4182	836.4	-0.07	0.356	23.31	24.00	1.172	**0.417**	18#
	State4		Left Edge	10	4182	836.4	0.17	0.070	23.31	24.00	1.172	0.082	/
	State4		Right Edge	10	4182	836.4	-0.01	0.011	23.31	24.00	1.172	0.013	/
	State4		Bottom Edge	10	4182	836.4	-0.04	0.307	23.31	24.00	1.172	0.360	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.													

10.6 LTE Band 2 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	19100	1900	1	Low	0.10	0.499	17.34	18.00	1.164	0.581	/
	State1&2		Left Tilt	0	19100	1900	1	Low	-0.07	0.606	17.34	18.00	1.164	0.705	/
	State1&2		Right Cheek	0	19100	1900	1	Low	0.14	0.723	17.34	18.00	1.164	0.842	/
	State1&2		Right Tilt	0	19100	1900	1	Low	-0.06	0.878	17.34	18.00	1.164	**1.022**	19#
	State1&2		Left Cheek	0	19100	1900	50	Low	-0.18	0.412	16.61	17.00	1.094	0.451	/
	State1&2		Left Tilt	0	19100	1900	50	Low	-0.14	0.488	16.61	17.00	1.094	0.534	/
	State1&2		Right Cheek	0	19100	1900	50	Low	0.02	0.575	16.61	17.00	1.094	0.629	/
	State1&2		Right Tilt	0	19100	1900	50	Low	0.16	0.663	16.61	17.00	1.094	0.725	/
	State1&2		Right Tilt	0	18700	1860	1	High	-0.16	0.806	17.20	18.00	1.202	0.969	/
	State1&2		Right Tilt	0	18900	1880	1	High	-0.18	0.781	17.02	18.00	1.253	0.979	/
	State1&2		Right Tilt	0	18700	1860	50	High	0.18	0.633	16.02	17.00	1.253	0.793	/
	State1&2		Right Tilt	0	18900	1880	50	Low	0.00	0.676	16.05	17.00	1.245	0.842	/
	State1&2		Right Tilt	0	19100	1900	100	Low	-0.08	0.665	16.14	17.00	1.219	0.811	/
Ant.0	State1&2	QPSK	Left Cheek	0	18900	1880	1	High	0.08	0.117	23.35	23.50	1.035	0.121	/
	State1&2		Left Tilt	0	18900	1880	1	High	-0.02	0.081	23.35	23.50	1.035	0.084	/
	State1&2		Right Cheek	0	18900	1880	1	High	-0.06	0.127	23.35	23.50	1.035	0.131	/
	State1&2		Right Tilt	0	18900	1880	1	High	-0.03	0.092	23.35	23.50	1.035	0.095	/
	State1&2		Left Cheek	0	18900	1880	50	Mid	0.14	0.093	22.23	22.50	1.064	0.099	/
	State1&2		Left Tilt	0	18900	1880	50	Mid	0.16	0.065	22.23	22.50	1.064	0.069	/
	State1&2		Right Cheek	0	18900	1880	50	Mid	-0.08	0.094	22.23	22.50	1.064	0.100	/
	State1&2		Right Tilt	0	18900	1880	50	Mid	-0.10	0.069	22.23	22.50	1.064	0.073	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	19100	1900	1	Mid	0.01	0.156	20.99	21.50	1.125	0.176	/
	State3		Back Side	15	19100	1900	1	Mid	0.14	0.538	20.99	21.50	1.125	**0.605**	20#
	State3		Front Side	15	19100	1900	50	Mid	-0.05	0.116	20.81	21.00	1.045	0.121	
	State3		Back Side	15	19100	1900	50	Mid	-0.10	0.424	20.81	21.00	1.045	0.443	
Ant.1	State3	QPSK	Front Side	15	19100	1900	1	Mid	-0.16	0.079	20.70	21.00	1.072	0.085	/
	State3		Back Side	15	19100	1900	1	Mid	0.03	0.230	20.70	21.00	1.072	0.247	/
	State3		Front Side	15	19100	1900	50	High	0.02	0.064	19.19	20.00	1.205	0.077	/
	State3		Back Side	15	19100	1900	50	High	-0.07	0.152	19.19	20.00	1.205	0.183	/
Hotspot															
Ant.0	State4	QPSK	Front Side	10	19100	1900	1	Mid	0.01	0.370	20.52	21.00	1.117	0.413	/
	State4		Back Side	10	19100	1900	1	Mid	-0.18	0.557	20.52	21.00	1.117	0.622	/
	State4		Right Edge	10	19100	1900	1	Mid	-0.03	0.078	20.52	21.00	1.117	0.087	/
	State4		Top Edge	10	19100	1900	1	Mid	0.14	0.943	20.52	21.00	1.117	**1.053**	21#
	State4		Front Side	10	19100	1900	50	Low	-0.12	0.286	20.32	20.50	1.042	0.298	/

	State4		Back Side	10	19100	1900	50	Low	-0.03	0.434	20.32	20.50	1.042	0.452	/
	State4		Right Edge	10	19100	1900	50	Low	-0.16	0.058	20.32	20.50	1.042	0.060	/
	State4		Top Edge	10	19100	1900	50	Low	0.08	0.723	20.32	20.50	1.042	0.753	/
	State4		Top Edge	10	18700	1860	1	Mid	0.06	0.809	20.39	21.00	1.151	0.931	/
	State4		Top Edge	10	18900	1880	1	Low	0.14	0.901	20.39	21.00	1.151	1.037	/
	State4		Top Edge	10	18700	1860	50	Low	-0.08	0.633	20.17	20.50	1.079	0.683	/
	State4		Top Edge	10	18900	1880	50	Low	0.18	0.700	20.04	20.50	1.112	0.778	/
	State4		Top Edge	10	19100	1900	100	Low	-0.14	0.774	19.83	20.50	1.167	0.903	/
Ant.0	State4	QPSK	Front Side	10	19100	1900	1	Low	0.06	0.120	20.11	20.50	1.094	0.131	/
	State4		Back Side	10	19100	1900	1	Low	0.02	0.322	20.11	20.50	1.094	0.352	/
	State4		Left Edge	10	19100	1900	1	Low	-0.02	0.032	20.11	20.50	1.094	0.035	/
	State4		Right Edge	10	19100	1900	1	Low	-0.05	0.085	20.11	20.50	1.094	0.093	/
	State4		Bottom Edge	10	19100	1900	1	Low	-0.16	0.298	20.11	20.50	1.094	0.326	/
	State4		Front Side	10	19100	1900	50	Low	0.17	0.097	18.88	19.50	1.153	0.112	/
	State4		Back Side	10	19100	1900	50	Low	0.00	0.252	18.88	19.50	1.153	0.291	/
	State4		Left Edge	10	19100	1900	50	Low	0.03	0.025	18.88	19.50	1.153	0.029	/
	State4		Right Edge	10	19100	1900	50	Low	-0.08	0.067	18.88	19.50	1.153	0.077	/
	State4		Bottom Edge	10	19100	1900	50	Low	0.17	0.248	18.88	19.50	1.153	0.286	/

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

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.1	State3	QPSK	Back Side	0	19100	1900	1	Mid	-0.02	1.690	20.99	21.50	1.125	1.901	/
	State3		Back Side	0	19100	1900	50	Mid	0.14	1.270	20.81	21.00	1.045	1.327	/
	State3		Top Edge	0	19100	1900	1	Mid	-0.15	2.180	20.99	21.50	1.125	2.453	/
	State3		Top Edge	0	19100	1900	50	Mid	0.19	2.000	20.81	21.00	1.045	2.090	/
	State3		Top Edge	0	18700	1860	1	Mid	-0.11	2.330	20.39	21.00	1.151	2.682	/
	State3		Top Edge	0	18900	1880	1	Mid	-0.03	2.420	20.39	21.00	1.151	**2.785**	22#
	State3		Top Edge	0	18700	1860	50	Mid	-0.18	2.220	20.17	20.50	1.079	2.395	/
	State3		Top Edge	0	18900	1880	50	Mid	-0.05	2.320	20.04	20.50	1.112	2.580	/
	State3		Top Edge	0	19100	1900	100	Mid	0.02	1.650	19.83	20.50	1.167	1.926	/
Ant.1	State4	QPSK	Back Side	0	19100	1900	1	Mid	-0.15	1.310	20.52	21.00	1.117	1.463	/
	State4		Back Side	0	19100	1900	50	Mid	-0.10	1.010	20.32	20.50	1.042	1.052	/
	State4		Top Edge	0	19100	1900	1	Mid	-0.06	1.720	20.52	21.00	1.117	1.921	/
	State4		Top Edge	0	19100	1900	50	Mid	0.05	1.560	20.32	20.50	1.042	1.626	/
	State4		Top Edge	0	18700	1860	1	Mid	-0.16	1.830	20.39	21.00	1.151	2.106	/
	State4		Top Edge	0	18900	1880	1	Low	0.00	1.930	20.39	21.00	1.151	2.221	/
	State4		Top Edge	0	18700	1860	50	Low	-0.15	1.730	20.17	20.50	1.079	1.867	/
	State4		Top Edge	0	18900	1880	50	Low	0.08	1.850	20.04	20.50	1.112	2.057	/
	State4		Top Edge	0	19100	1900	100	Low	-0.05	1.350	19.83	20.50	1.167	1.575	/

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

10.7 LTE Band 4 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1	QPSK	Left Cheek	0	20175	1732.5	1	High	-0.10	0.379	18.34	18.50	1.038	0.393	/
	State1		Left Tilt	0	20175	1732.5	1	High	-0.10	0.455	18.34	18.50	1.038	0.472	/
	State1		Right Cheek	0	20175	1732.5	1	High	-0.11	0.485	18.34	18.50	1.038	0.503	/
	State1		Right Tilt	0	20175	1732.5	1	High	-0.04	0.606	18.34	18.50	1.038	**0.629**	23#
	State1		Left Cheek	0	20175	1732.5	50	High	0.19	0.294	17.48	17.50	1.005	0.295	/
	State1		Left Tilt	0	20175	1732.5	50	High	-0.12	0.364	17.48	17.50	1.005	0.366	/
	State1		Right Cheek	0	20175	1732.5	50	High	-0.02	0.388	17.48	17.50	1.005	0.390	/
	State1		Right Tilt	0	20175	1732.5	50	High	0.19	0.485	17.48	17.50	1.005	0.487	/
Ant.1	State2	QPSK	Left Cheek	0	20175	1732.5	1	High	0.19	0.323	17.92	18.00	1.019	0.329	/
	State2		Left Tilt	0	20175	1732.5	1	High	-0.10	0.401	17.92	18.00	1.019	0.409	/
	State2		Right Cheek	0	20175	1732.5	1	High	0.03	0.446	17.92	18.00	1.019	0.454	/
	State2		Right Tilt	0	20175	1732.5	1	High	-0.10	0.523	17.92	18.00	1.019	0.533	/
	State2		Left Cheek	0	20175	1732.5	50	High	-0.08	0.254	16.83	17.00	1.040	0.264	/
	State2		Left Tilt	0	20175	1732.5	50	High	0.14	0.311	16.83	17.00	1.040	0.323	/
	State2		Right Cheek	0	20175	1732.5	50	High	0.02	0.332	16.83	17.00	1.040	0.345	/
	State2		Right Tilt	0	20175	1732.5	50	High	-0.14	0.445	16.83	17.00	1.040	0.463	/
Ant.0	State1&2	QPSK	Left Cheek	0	20175	1732.5	1	High	0.00	0.055	22.89	23.50	1.151	0.063	/
	State1&2		Left Tilt	0	20175	1732.5	1	High	-0.10	0.044	22.89	23.50	1.151	0.051	/
	State1&2		Right Cheek	0	20175	1732.5	1	High	-0.01	0.075	22.89	23.50	1.151	0.086	/
	State1&2		Right Tilt	0	20175	1732.5	1	High	0.01	0.065	22.89	23.50	1.151	0.075	/
	State1&2		Left Cheek	0	20175	1732.5	50	High	-0.10	0.049	21.79	22.50	1.178	0.058	/
	State1&2		Left Tilt	0	20175	1732.5	50	High	-0.15	0.011	21.79	22.50	1.178	0.013	/
	State1&2		Right Cheek	0	20175	1732.5	50	High	0.01	0.058	21.79	22.50	1.178	0.068	/
	State1&2		Right Tilt	0	20175	1732.5	50	High	-0.04	0.048	21.79	22.50	1.178	0.057	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	20175	1732.5	1	Mid	-0.07	0.099	20.98	21.00	1.005	0.099	/
	State3		Back Side	15	20175	1732.5	1	Mid	0.03	0.130	20.98	21.00	1.005	0.131	/
	State3		Front Side	15	20175	1732.5	50	Low	0.18	0.082	19.82	20.50	1.169	0.096	/
	State3		Back Side	15	20175	1732.5	50	Low	0.00	0.105	19.82	20.50	1.169	0.123	/
Ant.0	State3	QPSK	Front Side	15	20175	1732.5	1	High	0.08	0.060	20.39	21.00	1.151	0.069	/
	State3		Back Side	15	20175	1732.5	1	High	0.02	0.129	20.39	21.00	1.151	**0.148**	24#
	State3		Front Side	15	20175	1732.5	50	Low	0.16	0.048	19.04	20.00	1.247	0.060	/
	State3		Back Side	15	20175	1732.5	50	Low	-0.05	0.116	19.04	20.00	1.247	0.145	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	20175	1732.5	1	Low	0.04	0.374	20.44	20.50	1.014	0.379	/
	State4		Back Side	10	20175	1732.5	1	Low	-0.01	0.468	20.44	20.50	1.014	0.475	/

	State4		Right Edge	10	20175	1732.5	1	Low	-0.08	0.066	20.44	20.50	1.014	0.067	/
	State4		Top Edge	10	20175	1732.5	1	Low	0.12	0.541	20.44	20.50	1.014	0.549	/
	State4		Front Side	10	20175	1732.5	50	High	0.10	0.304	19.12	19.50	1.091	0.332	/
	State4		Back Side	10	20175	1732.5	50	High	-0.01	0.377	19.12	19.50	1.091	0.411	/
	State4		Right Edge	10	20175	1732.5	50	High	-0.02	0.051	19.12	19.50	1.091	0.056	/
	State4		Top Edge	10	20175	1732.5	50	High	-0.19	0.652	19.12	19.50	1.091	**0.711**	25#
Ant.0	State4	QPSK	Front Side	10	20175	1732.5	1	High	-0.03	0.209	19.49	20.50	1.262	0.264	/
	State4		Back Side	10	20175	1732.5	1	High	0.18	0.525	19.49	20.50	1.262	0.663	/
	State4		Left Edge	10	20175	1732.5	1	High	-0.02	0.054	19.49	20.50	1.262	0.068	/
	State4		Right Edge	10	20175	1732.5	1	High	-0.18	0.098	19.49	20.50	1.262	0.124	/
	State4		Bottom Edge	10	20175	1732.5	1	High	-0.07	0.556	19.49	20.50	1.262	0.702	/
	State4		Front Side	10	20175	1732.5	50	High	0.04	0.167	18.38	19.50	1.294	0.216	/
	State4		Back Side	10	20175	1732.5	50	High	0.16	0.421	18.38	19.50	1.294	0.545	/
	State4		Left Edge	10	20175	1732.5	50	High	-0.10	0.045	18.38	19.50	1.294	0.058	/
	State4		Right Edge	10	20175	1732.5	50	High	0.10	0.078	18.38	19.50	1.294	0.101	/
	State4		Bottom Edge	10	20175	1732.5	50	High	-0.15	0.471	18.38	19.50	1.294	0.609	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.1	State3	QPSK	Back Side	0	20175	1732.5	1	Mid	0.06	0.896	20.98	21.00	1.005	0.900	/
	State3		Back Side	0	20175	1732.5	50	Low	-0.18	0.666	19.82	20.50	1.169	0.779	/
	State3		Top Edge	0	20175	1732.5	1	Mid	-0.05	1.500	20.98	21.00	1.005	**1.508**	26#
	State3		Top Edge	0	20175	1732.5	50	Low	0.01	1.250	19.82	20.50	1.169	1.461	/
Ant.0	State3	QPSK	Back Side	0	20175	1732.5	1	High	-0.18	1.230	20.39	21.00	1.151	1.416	/
	State3		Back Side	0	20175	1732.5	50	Low	-0.10	1.040	19.04	20.00	1.247	1.297	/
	State3		Bottom Edge	0	20175	1732.5	1	High	-0.06	1.180	20.39	21.00	1.151	1.358	/
	State3		Bottom Edge	0	20175	1732.5	50	Low	-0.13	1.040	19.04	20.00	1.247	1.297	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.8 LTE Band 5 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	20525	836.5	1	High	0.10	0.365	22.09	23.00	1.233	0.450	/
	State1&2		Left Tilt	0	20525	836.5	1	High	0.08	0.341	22.09	23.00	1.233	0.420	/
	State1&2		Right Cheek	0	20525	836.5	1	High	-0.05	0.507	22.09	23.00	1.233	**0.625**	27#
	State1&2		Right Tilt	0	20525	836.5	1	High	-0.11	0.445	22.09	23.00	1.233	0.549	/
	State1&2		Left Cheek	0	20525	836.5	25	Low	-0.13	0.266	21.46	22.00	1.132	0.301	/
	State1&2		Left Tilt	0	20525	836.5	25	Low	0.13	0.254	21.46	22.00	1.132	0.288	/
	State1&2		Right Cheek	0	20525	836.5	25	Low	0.05	0.412	21.46	22.00	1.132	0.466	/
	State1&2		Right Tilt	0	20525	836.5	25	Low	-0.14	0.356	21.46	22.00	1.132	0.403	/
Ant.0	State1&2	QPSK	Left Cheek	0	20525	836.5	1	Mid	-0.13	0.171	23.80	24.50	1.175	0.201	/
	State1&2		Left Tilt	0	20525	836.5	1	Mid	-0.15	0.100	23.80	24.50	1.175	0.118	/
	State1&2		Right Cheek	0	20525	836.5	1	Mid	0.07	0.203	23.80	24.50	1.175	0.239	/
	State1&2		Right Tilt	0	20525	836.5	1	Mid	0.09	0.122	23.80	24.50	1.175	0.143	/
	State1&2		Left Cheek	0	20525	836.5	25	Mid	0.07	0.139	23.03	23.50	1.114	0.155	/
	State1&2		Left Tilt	0	20525	836.5	25	Mid	0.13	0.078	23.03	23.50	1.114	0.087	/
	State1&2		Right Cheek	0	20525	836.5	25	Mid	0.16	0.164	23.03	23.50	1.114	0.183	/
	State1&2		Right Tilt	0	20525	836.5	25	Mid	0.00	0.097	23.03	23.50	1.114	0.108	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	20525	836.5	1	Low	0.04	0.078	24.01	24.50	1.119	0.087	/
	State3		Back Side	15	20525	836.5	1	Low	-0.07	0.086	24.01	24.50	1.119	0.096	/
	State3		Front Side	15	20525	836.5	25	High	0.14	0.060	23.01	23.50	1.119	0.067	/
	State3		Back Side	15	20525	836.5	25	High	0.19	0.069	23.01	23.50	1.119	0.077	/
Ant.0	State3	QPSK	Front Side	15	20525	836.5	1	Mid	0.19	0.152	23.80	24.50	1.175	0.179	/
	State3		Back Side	15	20525	836.5	1	Mid	-0.02	0.202	23.80	24.50	1.175	**0.237**	28#
	State3		Front Side	15	20525	836.5	25	Mid	-0.13	0.120	23.03	23.50	1.114	0.134	/
	State3		Back Side	15	20525	836.5	25	Mid	0.18	0.160	23.03	23.50	1.114	0.178	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	20525	836.5	1	Low	0.03	0.123	24.01	24.50	1.119	0.138	/
	State4		Back Side	10	20525	836.5	1	Low	-0.05	0.202	24.01	24.50	1.119	0.226	/
	State4		Right Edge	10	20525	836.5	1	Low	0.09	0.079	24.01	24.50	1.119	0.088	/
	State4		Top Edge	10	20525	836.5	1	Low	-0.10	0.140	24.01	24.50	1.119	0.157	/
	State4		Front Side	10	20525	836.5	25	High	-0.06	0.096	23.01	23.50	1.119	0.107	/
	State4		Back Side	10	20525	836.5	25	High	0.14	0.168	23.01	23.50	1.119	0.188	/
	State4		Right Edge	10	20525	836.5	25	High	0.08	0.061	23.01	23.50	1.119	0.068	/
	State4		Top Edge	10	20525	836.5	25	High	0.15	0.111	23.01	23.50	1.119	0.124	/
Ant.0	State4	QPSK	Front Side	10	20525	836.5	1	Mid	0.00	0.211	23.34	24.00	1.164	0.246	/
	State4		Back Side	10	20525	836.5	1	Mid	-0.01	0.343	23.34	24.00	1.164	0.399	/

	State4		Left Edge	10	20525	836.5	1	Mid	-0.04	0.197	23.34	24.00	1.164	0.229	/
	State4		Right Edge	10	20525	836.5	1	Mid	-0.10	0.116	23.34	24.00	1.164	0.135	/
	State4		Bottom Edge	10	20525	836.5	1	Mid	0.16	0.377	23.34	24.00	1.164	**0.439**	29#
	State4		Front Side	10	20525	836.5	25	Mid	0.15	0.177	22.57	23.00	1.104	0.195	/
	State4		Back Side	10	20525	836.5	25	Mid	-0.07	0.275	22.57	23.00	1.104	0.304	/
	State4		Left Edge	10	20525	836.5	25	Mid	-0.09	0.160	22.57	23.00	1.104	0.177	/
	State4		Right Edge	10	20525	836.5	25	Mid	0.09	0.094	22.57	23.00	1.104	0.104	/
	State4		Bottom Edge	10	20450	829	25	Mid	-0.10	0.319	22.57	23.00	1.104	0.352	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.9 LTE Band 7 (20MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	21100	2535	1	Low	-0.11	0.115	17.32	17.50	1.042	0.120	/
	State1&2		Left Tilt	0	21100	2535	1	Low	0.14	0.140	17.32	17.50	1.042	0.146	/
	State1&2		Right Cheek	0	21100	2535	1	Low	0.14	0.233	17.32	17.50	1.042	0.243	/
	State1&2		Right Tilt	0	21100	2535	1	Low	0.04	0.305	17.32	17.50	1.042	**0.318**	30#
	State1&2		Left Cheek	0	21100	2535	50	Low	-0.12	0.065	16.07	16.50	1.104	0.072	/
	State1&2		Left Tilt	0	21100	2535	50	Low	-0.17	0.121	16.07	16.50	1.104	0.134	/
	State1&2		Right Cheek	0	21100	2535	50	Low	-0.13	0.188	16.07	16.50	1.104	0.208	/
	State1&2		Right Tilt	0	21100	2535	50	Low	-0.13	0.244	16.07	16.50	1.104	0.269	/
Ant.0	State1&2	QPSK	Left Cheek	0	21100	2535	1	Low	-0.06	0.246	23.03	23.50	1.114	0.274	/
	State1&2		Left Tilt	0	21100	2535	1	Low	-0.18	0.186	23.03	23.50	1.114	0.207	/
	State1&2		Right Cheek	0	21100	2535	1	Low	0.17	0.158	23.03	23.50	1.114	0.176	/
	State1&2		Right Tilt	0	21100	2535	1	Low	-0.17	0.110	23.03	23.50	1.114	0.123	/
	State1&2		Left Cheek	0	21100	2535	50	Low	-0.11	0.220	21.81	22.50	1.172	0.258	/
	State1&2		Left Tilt	0	21100	2535	50	Low	0.10	0.145	21.81	22.50	1.172	0.170	/
	State1&2		Right Cheek	0	21100	2535	50	Low	0.11	0.121	21.81	22.50	1.172	0.142	/
	State1&2		Right Tilt	0	21100	2535	50	Low	-0.02	0.085	21.81	22.50	1.172	0.100	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	21100	2535	1	Low	-0.14	0.074	19.68	20.00	1.076	0.080	/
	State3		Back Side	15	21100	2535	1	Low	0.13	0.177	19.68	20.00	1.076	**0.190**	31#
	State3		Front Side	15	21100	2535	50	Low	0.02	0.055	19.00	19.00	1.000	0.055	/
	State3		Back Side	15	21100	2535	50	Low	0.06	0.122	19.00	19.00	1.000	0.122	/
Ant.0	State3	QPSK	Front Side	15	21100	2535	1	Mid	-0.12	0.085	19.23	20.50	1.340	0.114	/
	State3		Back Side	15	21100	2535	1	Mid	0.19	0.113	19.23	20.50	1.340	0.151	/
	State3		Front Side	15	21100	2535	50	Mid	-0.19	0.073	18.75	19.50	1.189	0.087	/
	State3		Back Side	15	21100	2535	50	Mid	0.14	0.090	18.75	19.50	1.189	0.107	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	21100	2535	1	Low	-0.08	0.113	19.68	20.00	1.076	0.122	/
	State4		Back Side	10	21100	2535	1	Low	-0.01	0.218	19.68	20.00	1.076	0.235	/
	State4		Right Edge	10	21100	2535	1	Low	-0.09	0.112	19.68	20.00	1.076	0.121	/
	State4		Top Edge	10	21100	2535	1	Low	-0.08	0.292	19.68	20.00	1.076	0.314	/
	State4		Front Side	10	21100	2535	50	Low	-0.17	0.093	19.00	19.00	1.000	0.093	/
	State4		Back Side	10	21100	2535	50	Low	-0.01	0.188	19.00	19.00	1.000	0.188	/
	State4		Right Edge	10	21100	2535	50	Low	-0.02	0.093	19.00	19.00	1.000	0.093	/
	State4		Top Edge	10	21100	2535	50	Low	0.05	0.320	19.00	19.00	1.000	**0.320**	32#
Ant.0	State4	QPSK	Front Side	10	21100	2535	1	Mid	0.14	0.154	19.23	20.50	1.340	0.206	/
	State4		Back Side	10	21100	2535	1	Mid	0.18	0.214	19.23	20.50	1.340	0.287	/

	State4		Left Edge	10	21100	2535	1	Mid	0.15	0.036	19.23	20.50	1.340	0.048	/
	State4		Right Edge	10	21100	2535	1	Mid	-0.06	0.142	19.23	20.50	1.340	0.190	
	State4		Bottom Edge	10	21100	2535	1	Mid	0.19	0.178	19.23	20.50	1.340	0.239	/
	State4		Front Side	10	21100	2535	50	Mid	-0.06	0.122	18.75	19.50	1.189	0.145	/
	State4		Back Side	10	21100	2535	50	Mid	-0.16	0.166	18.75	19.50	1.189	0.197	/
	State4		Left Edge	10	21100	2535	50	Mid	-0.08	0.028	18.75	19.50	1.189	0.033	/
	State4		Right Edge	10	21100	2535	50	Mid	0.01	0.115	18.75	19.50	1.189	0.137	
	State4		Bottom Edge	10	21100	2535	50	Mid	0.16	0.141	18.75	19.50	1.189	0.168	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.10 LTE Band 13 (10MHz Bandwidth)

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	23230	782	1	Low	-0.10	0.266	23.83	24.50	1.167	0.310	/
	State1&2		Left Tilt	0	23230	782	1	Low	-0.08	0.249	23.83	24.50	1.167	0.291	/
	State1&2		Right Cheek	0	23230	782	1	Low	-0.07	0.452	23.83	24.50	1.167	**0.527**	33#
	State1&2		Right Tilt	0	23230	782	1	Low	0.12	0.412	23.83	24.50	1.167	0.481	/
	State1&2		Left Cheek	0	23230	782	25	High	0.18	0.236	22.93	23.50	1.140	0.269	/
	State1&2		Left Tilt	0	23230	782	25	High	-0.17	0.211	22.93	23.50	1.140	0.241	/
	State1&2		Right Cheek	0	23230	782	25	High	0.11	0.323	22.93	23.50	1.140	0.368	/
	State1&2		Right Tilt	0	23230	782	25	High	0.09	0.301	22.93	23.50	1.140	0.343	/
Ant.0	State1&2	QPSK	Left Cheek	0	23230	782	1	High	0.05	0.108	23.76	24.50	1.186	0.128	/
	State1&2		Left Tilt	0	23230	782	1	High	-0.04	0.057	23.76	24.50	1.186	0.068	/
	State1&2		Right Cheek	0	23230	782	1	High	0.03	0.109	23.76	24.50	1.186	0.129	/
	State1&2		Right Tilt	0	23230	782	1	High	0.15	0.064	23.76	24.50	1.186	0.076	/
	State1&2		Left Cheek	0	23230	782	25	High	0.13	0.088	22.78	23.50	1.180	0.104	/
	State1&2		Left Tilt	0	23230	782	25	High	-0.02	0.048	22.78	23.50	1.180	0.057	/
	State1&2		Right Cheek	0	23230	782	25	High	0.06	0.094	22.78	23.50	1.180	0.111	/
	State1&2		Right Tilt	0	23230	782	25	High	-0.01	0.055	22.78	23.50	1.180	0.065	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	23230	782	1	Low	-0.14	0.078	23.83	24.50	1.167	0.091	/
	State3		Back Side	15	23230	782	1	Low	0.13	0.089	23.83	24.50	1.167	0.104	/
	State3		Front Side	15	23230	782	25	High	-0.03	0.061	22.93	23.50	1.140	0.070	/
	State3		Back Side	15	23230	782	25	High	0.14	0.068	22.93	23.50	1.140	0.078	/
Ant.0	State3	QPSK	Front Side	15	23230	782	1	High	0.11	0.090	23.76	24.50	1.186	0.107	/
	State3		Back Side	15	23230	782	1	High	0.10	0.152	23.76	24.50	1.186	**0.180**	34#
	State3		Front Side	15	23230	782	25	High	0.15	0.072	22.78	23.50	1.180	0.085	/
	State3		Back Side	15	23230	782	25	High	0.01	0.121	22.78	23.50	1.180	0.143	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	23230	782	1	Low	-0.12	0.077	23.83	24.50	1.167	0.090	/
	State4		Back Side	10	23230	782	1	Low	0.17	0.133	23.83	24.50	1.167	0.155	/
	State4		Right Edge	10	23230	782	1	Low	-0.01	0.101	23.83	24.50	1.167	0.118	/
	State4		Top Edge	10	23230	782	1	Low	-0.01	0.120	23.83	24.50	1.167	0.140	/
	State4		Front Side	10	23230	782	25	High	-0.11	0.060	22.93	23.50	1.140	0.068	/
	State4		Back Side	10	23230	782	25	High	0.10	0.103	22.93	23.50	1.140	0.117	/
	State4		Right Edge	10	23230	782	25	High	-0.11	0.074	22.93	23.50	1.140	0.084	/
	State4		Top Edge	10	23230	782	25	High	0.17	0.092	22.93	23.50	1.140	0.105	/
Ant.0	State4	QPSK	Front Side	10	23230	782	1	High	0.13	0.084	23.09	24.00	1.233	0.104	/
	State4		Back Side	10	23230	782	1	High	-0.10	0.155	23.09	24.00	1.233	**0.191**	35#

	State4		Left Edge	10	23230	782	1	High	0.01	0.131	23.09	24.00	1.233	0.162	/
	State4		Right Edge	10	23230	782	1	High	0.14	0.092	23.09	24.00	1.233	0.113	/
	State4		Bottom Edge	10	23230	782	1	High	0.08	0.121	23.09	24.00	1.233	0.149	/
	State4		Front Side	10	23230	782	25	High	0.16	0.077	22.16	23.00	1.213	0.093	/
	State4		Back Side	10	23230	782	25	High	-0.13	0.113	22.16	23.00	1.213	0.137	/
	State4		Left Edge	10	23230	782	25	High	0.08	0.101	22.16	23.00	1.213	0.123	/
	State4		Right Edge	10	23230	782	25	High	-0.19	0.076	22.16	23.00	1.213	0.092	/
	State4		Bottom Edge	10	23230	782	25	High	-0.07	0.111	22.16	23.00	1.213	0.135	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.11 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-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	132322	1745	1	High	0.01	0.361	17.11	18.00	1.227	0.443	/
	State1&2		Left Tilt	0	132322	1745	1	High	-0.02	0.434	17.11	18.00	1.227	0.533	/
	State1&2		Right Cheek	0	132322	1745	1	High	-0.04	0.441	17.11	18.00	1.227	0.541	/
	State1&2		Right Tilt	0	132322	1745	1	High	-0.03	0.475	17.11	18.00	1.227	**0.583**	36#
	State1&2		Left Cheek	0	132322	1745	50	High	-0.02	0.280	15.87	17.00	1.297	0.363	/
	State1&2		Left Tilt	0	132322	1745	50	High	0.02	0.347	15.87	17.00	1.297	0.450	/
	State1&2		Right Cheek	0	132322	1745	50	High	0.12	0.395	15.87	17.00	1.297	0.512	/
	State1&2		Right Tilt	0	132322	1745	50	High	-0.03	0.433	15.87	17.00	1.297	0.562	/
Ant.0	State1&2	QPSK	Left Cheek	0	132322	1745	1	Mid	-0.18	0.055	23.91	24.00	1.021	0.056	/
	State1&2		Left Tilt	0	132322	1745	1	Mid	0.01	0.044	23.91	24.00	1.021	0.045	/
	State1&2		Right Cheek	0	132322	1745	1	Mid	-0.16	0.075	23.91	24.00	1.021	0.077	/
	State1&2		Right Tilt	0	132322	1745	1	Mid	0.00	0.065	23.91	24.00	1.021	0.066	/
	State1&2		Left Cheek	0	132322	1745	50	Mid	0.19	0.049	22.78	23.00	1.052	0.052	/
	State1&2		Left Tilt	0	132322	1745	50	Mid	0.09	0.011	22.78	23.00	1.052	0.012	/
	State1&2		Right Cheek	0	132322	1745	50	Mid	-0.02	0.058	22.78	23.00	1.052	0.061	/
	State1&2		Right Tilt	0	132322	1745	50	Mid	0.00	0.048	22.78	23.00	1.052	0.050	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	132322	1745	1	High	0.08	0.117	21.37	21.50	1.030	0.121	/
	State3		Back Side	15	132322	1745	1	High	0.15	0.150	21.37	21.50	1.030	0.155	/
	State3		Front Side	15	132322	1745	50	High	0.17	0.095	20.36	20.50	1.033	0.098	/
	State3		Back Side	15	132322	1745	50	High	0.00	0.122	20.36	20.50	1.033	0.126	/
Ant.0	State3	QPSK	Front Side	15	132322	1745	1	High	0.03	0.063	21.34	21.50	1.038	0.065	/
	State3		Back Side	15	132322	1745	1	High	0.14	0.154	21.34	21.50	1.038	**0.160**	37#
	State3		Front Side	15	132322	1745	50	High	0.01	0.050	19.30	20.50	1.318	0.066	/
	State3		Back Side	15	132322	1745	50	High	0.17	0.121	19.30	20.50	1.318	0.159	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	132322	1745	1	High	-0.08	0.300	20.38	20.50	1.028	0.308	/
	State4		Back Side	10	132322	1745	1	High	0.12	0.357	20.38	20.50	1.028	0.367	/
	State4		Right Edge	10	132322	1745	1	High	-0.18	0.047	20.38	20.50	1.028	0.048	/
	State4		Top Edge	10	132322	1745	1	High	0.01	0.671	20.38	20.50	1.028	0.690	/
	State4		Front Side	10	132322	1745	50	High	-0.05	0.246	18.32	19.50	1.312	0.323	/
	State4		Back Side	10	132322	1745	50	High	-0.19	0.306	18.32	19.50	1.312	0.401	/
	State4		Right Edge	10	132322	1745	50	High	0.03	0.038	18.32	19.50	1.312	0.050	/
	State4		Top Edge	10	132322	1745	50	High	0.01	0.611	18.32	19.50	1.312	0.802	/
	State4		Top Edge	10	132072	1720	1	High	-0.07	0.675	19.74	20.50	1.191	**0.804**	38#
	State4		Top Edge	10	132572	1770	1	Low	-0.17	0.665	19.86	20.50	1.159	0.771	/

	State4		Top Edge	10	132072	1720	50	High	0.18	0.523	18.19	19.50	1.352	0.707	/
	State4		Top Edge	10	132572	1770	50	High	-0.05	0.544	18.11	19.50	1.377	0.749	/
	State4		Top Edge	10	132322	1745	100	Low	0.10	0.565	18.17	19.50	1.358	0.767	/
Ant.0	State4	QPSK	Front Side	10	132322	1745	1	High	-0.10	0.120	20.32	21.00	1.169	0.140	/
	State4		Back Side	10	132322	1745	1	High	-0.18	0.316	20.32	21.00	1.169	0.369	/
	State4		Left Edge	10	132322	1745	1	High	-0.02	0.028	20.32	21.00	1.169	0.033	/
	State4		Right Edge	10	132322	1745	1	High	-0.04	0.066	20.32	21.00	1.169	0.077	/
	State4		Bottom Edge	10	132322	1745	1	High	0.06	0.356	20.32	21.00	1.169	0.416	/
	State4		Front Side	10	132322	1745	50	High	0.15	0.095	18.74	20.00	1.337	0.127	/
	State4		Back Side	10	132322	1745	50	High	-0.15	0.245	18.74	20.00	1.337	0.328	/
	State4		Left Edge	10	132322	1745	50	High	0.12	0.022	18.74	20.00	1.337	0.029	/
	State4		Right Edge	10	132322	1745	50	High	-0.16	0.054	18.74	20.00	1.337	0.072	/
	State4		Bottom Edge	10	132322	1745	50	High	-0.18	0.287	18.74	20.00	1.337	0.384	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Num.	RB Start	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	10 g Scaled SAR (W/kg)	Meas. No.
Specific															
Ant.1	State3	QPSK	Back Side	0	132322	1745	1	High	-0.10	1.020	21.37	21.50	1.030	1.051	/
	State3		Back Side	0	132322	1745	50	High	0.07	0.902	20.36	20.50	1.033	0.932	/
	State3		Top Edge	0	132322	1745	1	High	0.08	1.890	21.37	21.50	1.030	1.947	/
	State3		Top Edge	0	132322	1745	50	High	-0.11	1.840	20.36	20.50	1.033	1.901	/
	State3		Top Edge	0	132072	1720	1	Low	0.03	1.910	21.28	21.50	1.052	**2.009**	39#
	State3		Top Edge	0	132572	1770	1	Low	0.14	1.880	21.32	21.50	1.042	1.959	/
	State3		Top Edge	0	132072	1720	50	Low	-0.18	1.360	18.95	20.50	1.429	1.943	/
	State3		Top Edge	0	132572	1770	50	Low	-0.09	1.400	19.06	20.50	1.393	1.950	/
	State3		Top Edge	0	132322	1745	100	Low	-0.17	1.410	19.16	20.50	1.361	1.919	/
Ant.1	State4	QPSK	Back Side	0	132322	1745	1	High	-0.06	0.822	20.38	20.50	1.028	0.845	/
	State4		Back Side	0	132322	1745	50	High	0.11	0.733	18.32	19.50	1.312	0.962	/
	State4		Top Edge	0	132322	1745	1	High	0.17	1.480	20.38	20.50	1.028	1.521	/
	State4		Top Edge	0	132322	1745	50	High	-0.10	1.430	18.32	19.50	1.312	1.876	/
	State4		Top Edge	0	132072	1720	1	High	-0.12	1.530	19.74	20.50	1.191	1.822	/
	State4		Top Edge	0	132572	1770	1	Low	-0.18	1.460	19.86	20.50	1.159	1.692	/
	State4		Top Edge	0	132072	1720	50	High	0.00	1.060	18.19	19.50	1.352	1.433	/
	State4		Top Edge	0	132572	1770	50	High	0.10	1.110	18.11	19.50	1.377	1.528	/
	State4		Top Edge	0	132322	1745	100	Low	-0.11	1.090	18.17	19.50	1.358	1.480	/

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

10.12 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-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	38000	2595	1	High	-0.17	0.199	19.41	20.00	1.146	0.228	/
	State1&2		Left Tilt	0	38000	2595	1	High	0.19	0.266	19.41	20.00	1.146	0.305	/
	State1&2		Right Cheek	0	38000	2595	1	High	-0.03	0.456	19.41	20.00	1.146	0.523	/
	State1&2		Right Tilt	0	38000	2595	1	High	-0.08	0.612	19.41	20.00	1.146	**0.701**	40#
	State1&2		Left Cheek	0	38000	2595	50	High	0.06	0.165	18.20	19.00	1.202	0.198	/
	State1&2		Left Tilt	0	38000	2595	50	High	0.08	0.223	18.20	19.00	1.202	0.268	/
	State1&2		Right Cheek	0	38000	2595	50	High	-0.12	0.384	18.20	19.00	1.202	0.462	/
	State1&2		Right Tilt	0	38000	2595	50	High	-0.17	0.512	18.20	19.00	1.202	0.615	/
Ant.0	State1&2	QPSK	Left Cheek	0	38000	2595	1	High	-0.03	0.148	23.33	24.00	1.167	0.173	/
	State1&2		Left Tilt	0	38000	2595	1	High	0.10	0.090	23.33	24.00	1.167	0.105	/
	State1&2		Right Cheek	0	38000	2595	1	High	-0.19	0.089	23.33	24.00	1.167	0.104	/
	State1&2		Right Tilt	0	38000	2595	1	High	-0.15	0.074	23.33	24.00	1.167	0.086	/
	State1&2		Left Cheek	0	38000	2595	50	High	0.11	0.130	22.30	23.00	1.175	0.153	/
	State1&2		Left Tilt	0	38000	2595	50	High	0.17	0.071	22.30	23.00	1.175	0.083	/
	State1&2		Right Cheek	0	38000	2595	50	High	0.08	0.075	22.30	23.00	1.175	0.088	/
	State1&2		Right Tilt	0	38000	2595	50	High	0.11	0.058	22.30	23.00	1.175	0.068	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	38000	2595	1	Mid	0.18	0.065	22.02	23.00	1.253	0.081	/
	State3		Back Side	15	38000	2595	1	Mid	0.06	0.173	22.02	23.00	1.253	**0.217**	41#
	State3		Front Side	15	38000	2595	50	High	0.08	0.056	21.02	22.00	1.253	0.070	/
	State3		Back Side	15	38000	2595	50	High	0.01	0.144	21.02	22.00	1.253	0.180	/
Ant.0	State3	QPSK	Front Side	15	38000	2595	1	High	-0.13	0.097	22.30	23.00	1.175	0.114	/
	State3		Back Side	15	38000	2595	1	High	0.05	0.138	22.30	23.00	1.175	0.162	/
	State3		Front Side	15	38000	2595	50	High	0.12	0.077	21.30	22.00	1.175	0.090	/
	State3		Back Side	15	38000	2595	50	High	0.19	0.108	21.30	22.00	1.175	0.127	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	38000	2595	1	Mid	0.01	0.085	22.02	23.00	1.253	0.107	/
	State4		Back Side	10	38000	2595	1	Mid	0.13	0.233	22.02	23.00	1.253	0.292	/
	State4		Right Edge	10	38000	2595	1	Mid	-0.13	0.101	22.02	23.00	1.253	0.127	/
	State4		Top Edge	10	38000	2595	1	Mid	0.06	0.363	22.02	23.00	1.253	**0.455**	42#
	State4		Front Side	10	38000	2595	50	High	-0.02	0.074	21.02	22.00	1.253	0.093	/
	State4		Back Side	10	38000	2595	50	High	-0.02	0.202	21.02	22.00	1.253	0.253	/
	State4		Right Edge	10	38000	2595	50	High	0.10	0.082	21.02	22.00	1.253	0.103	/
	State4		Top Edge	10	38000	2595	50	High	0.14	0.274	21.02	22.00	1.253	0.343	/
Ant.0	State4	QPSK	Front Side	10	38000	2595	1	High	-0.03	0.129	21.48	22.50	1.265	0.163	/
	State4		Back Side	10	38000	2595	1	High	-0.13	0.190	21.48	22.50	1.265	0.240	/

	State4		Left Edge	10	38000	2595	1	High	0.19	0.030	21.48	22.50	1.265	0.038	/
	State4		Right Edge	10	38000	2595	1	High	-0.07	0.117	21.48	22.50	1.265	0.148	/
	State4		Bottom Edge	10	38000	2595	1	High	-0.14	0.152	21.48	22.50	1.265	0.192	/
	State4		Front Side	10	38000	2595	50	Mid	-0.03	0.098	20.46	21.50	1.271	0.125	/
	State4		Back Side	10	38000	2595	50	Mid	0.04	0.153	20.46	21.50	1.271	0.194	/
	State4		Left Edge	10	38000	2595	50	Mid	-0.01	0.000	20.46	21.50	1.271	0.000	/
	State4		Right Edge	10	38000	2595	50	Mid	0.12	0.081	20.46	21.50	1.271	0.103	/
	State4		Bottom Edge	10	38000	2595	50	Mid	-0.01	0.127	20.46	21.50	1.271	0.161	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.13 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-power (dBm)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.1	State1&2	QPSK	Left Cheek	0	40765	2607.5	1	Low	-0.01	0.156	19.64	20.00	1.086	0.169	/
	State1&2		Left Tilt	0	40765	2607.5	1	Low	0.11	0.202	19.64	20.00	1.086	0.219	/
	State1&2		Right Cheek	0	40765	2607.5	1	Low	0.09	0.355	19.64	20.00	1.086	0.386	/
	State1&2		Right Tilt	0	40765	2607.5	1	Low	-0.07	0.488	19.64	20.00	1.086	**0.530**	43#
	State1&2		Left Cheek	0	40765	2607.5	50	Mid	-0.04	0.123	18.15	19.00	1.216	0.150	/
	State1&2		Left Tilt	0	40765	2607.5	50	Mid	0.04	0.167	18.15	19.00	1.216	0.203	/
	State1&2		Right Cheek	0	40765	2607.5	50	Mid	0.14	0.315	18.15	19.00	1.216	0.383	/
	State1&2		Right Tilt	0	40765	2607.5	50	Mid	0.10	0.344	18.15	19.00	1.216	0.418	/
Ant.0	State1&2	QPSK	Left Cheek	0	40765	2607.5	1	High	0.02	0.187	23.36	24.00	1.159	0.217	/
	State1&2		Left Tilt	0	40765	2607.5	1	High	0.00	0.093	23.36	24.00	1.159	0.108	/
	State1&2		Right Cheek	0	40765	2607.5	1	High	-0.05	0.088	23.36	24.00	1.159	0.102	/
	State1&2		Right Tilt	0	40765	2607.5	1	High	0.00	0.073	23.36	24.00	1.159	0.085	/
	State1&2		Left Cheek	0	40765	2607.5	50	Low	-0.10	0.150	22.31	23.00	1.172	0.176	/
	State1&2		Left Tilt	0	40765	2607.5	50	Low	-0.01	0.071	22.31	23.00	1.172	0.083	/
	State1&2		Right Cheek	0	40765	2607.5	50	Low	0.13	0.071	22.31	23.00	1.172	0.083	/
	State1&2		Right Tilt	0	40765	2607.5	50	Low	-0.06	0.059	22.31	23.00	1.172	0.069	/
Body-worn															
Ant.1	State3	QPSK	Front Side	15	40765	2607.5	1	High	-0.06	0.081	22.16	23.00	1.213	0.098	/
	State3		Back Side	15	40765	2607.5	1	High	-0.14	0.197	22.16	23.00	1.213	**0.239**	44#
	State3		Front Side	15	40765	2607.5	50	Mid	-0.12	0.064	21.00	22.00	1.259	0.081	/
	State3		Back Side	15	40765	2607.5	50	Mid	-0.18	0.152	21.00	22.00	1.259	0.191	/
Ant.0	State3	QPSK	Front Side	15	40765	2607.5	1	Low	-0.14	0.096	22.43	23.00	1.140	0.109	/
	State3		Back Side	15	40765	2607.5	1	Low	0.09	0.138	22.43	23.00	1.140	0.157	/
	State3		Front Side	15	40765	2607.5	50	High	-0.13	0.075	21.23	22.00	1.194	0.090	/
	State3		Back Side	15	40765	2607.5	50	High	0.19	0.110	21.23	22.00	1.194	0.131	/
Hotspot															
Ant.1	State4	QPSK	Front Side	10	40765	2607.5	1	High	-0.13	0.135	22.16	23.00	1.213	0.164	/
	State4		Back Side	10	40765	2607.5	1	High	0.01	0.390	22.16	23.00	1.213	0.473	/
	State4		Right Edge	10	40765	2607.5	1	High	-0.15	0.152	22.16	23.00	1.213	0.184	/
	State4		Top Edge	10	40765	2607.5	1	High	-0.04	0.524	22.16	23.00	1.213	**0.636**	45#
	State4		Front Side	10	40765	2607.5	50	Mid	0.09	0.110	21.00	22.00	1.259	0.138	/
	State4		Back Side	10	40765	2607.5	50	Mid	-0.05	0.313	21.00	22.00	1.259	0.394	/
	State4		Right Edge	10	40765	2607.5	50	Mid	-0.15	0.114	21.00	22.00	1.259	0.144	/
	State4		Top Edge	10	40765	2607.5	50	Mid	0.16	0.402	21.00	22.00	1.259	0.506	/
Ant.0	State4	QPSK	Front Side	10	40765	2607.5	1	High	0.17	0.130	21.68	22.50	1.208	0.157	/
	State4		Back Side	10	40765	2607.5	1	High	-0.04	0.193	21.68	22.50	1.208	0.233	/

	State4		Left Edge	10	40765	2607.5	1	High	-0.13	0.005	21.68	22.50	1.208	0.006	/
	State4		Right Edge	10	40765	2607.5	1	High	-0.04	0.116	21.68	22.50	1.208	0.140	/
	State4		Bottom Edge	10	40765	2607.5	1	High	0.02	0.143	21.68	22.50	1.208	0.173	/
	State4		Front Side	10	40765	2607.5	50	High	0.17	0.103	20.57	21.50	1.239	0.128	/
	State4		Back Side	10	40765	2607.5	50	High	0.04	0.153	20.57	21.50	1.239	0.190	/
	State4		Left Edge	10	40765	2607.5	50	High	0.17	0.012	20.57	21.50	1.239	0.015	/
	State4		Right Edge	10	40765	2607.5	50	High	-0.06	0.096	20.57	21.50	1.239	0.119	/
	State4		Bottom Edge	10	40765	2607.5	50	High	-0.04	0.097	20.57	21.50	1.239	0.120	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.															

10.14 WIFI 2.4GHz

Antenna	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head															
Ant.2	Level1	802.11 b	Left Cheek	0	2	2417	0.10	0.353	15.07	16.00	1.239	99.70	1.003	0.439	/
	Level1		Left Tilt	0	2	2417	0.09	0.260	15.07	16.00	1.239	99.70	1.003	0.323	/
	Level1		Right Cheek	0	2	2417	-0.14	0.159	15.07	16.00	1.239	99.70	1.003	0.198	/
	Level1		Right Tilt	0	2	2417	-0.15	0.157	15.07	16.00	1.239	99.70	1.003	0.195	/
	Level1	802.11 g	Left Cheek	0	2	2417	0.06	0.741	17.32	18.00	1.169	88.40	1.131	**0.980**	46#
	Level1		Left Tilt	0	2	2417	0.16	0.526	17.32	18.00	1.169	88.40	1.131	0.695	/
	Level1		Right Cheek	0	2	2417	0.06	0.331	17.32	18.00	1.169	88.40	1.131	0.438	/
	Level1		Right Tilt	0	2	2417	0.08	0.313	17.32	18.00	1.169	88.40	1.131	0.414	/
	Level1		Left Cheek	0	9	2452	-0.08	0.658	17.13	18.00	1.222	88.40	1.131	0.909	/
	Level1		Left Cheek	0	10	2457	-0.01	0.514	16.91	17.00	1.021	88.40	1.131	0.594	/
	Level2	802.11 b	Left Cheek	0	2	2417	-0.17	0.280	13.89	14.00	1.026	99.70	1.003	0.288	/
	Level2		Left Tilt	0	2	2417	0.00	0.207	13.89	14.00	1.026	99.70	1.003	0.213	/
	Level2		Right Cheek	0	2	2417	-0.08	0.126	13.89	14.00	1.026	99.70	1.003	0.130	/
	Level2		Right Tilt	0	2	2417	0.18	0.125	13.89	14.00	1.026	99.70	1.003	0.129	/
Body-worn															
Ant.2	Leve3	802.11 b	Front Side	15	2	2417	0.05	0.058	15.71	16.00	1.069	99.70	1.003	0.062	/
	Leve3		Back Side	15	2	2417	-0.10	0.078	15.71	16.00	1.069	99.70	1.003	0.084	/
	Leve3	802.11 g	Front Side	15	2	2417	0.04	0.071	18.89	19.00	1.026	88.40	1.131	0.082	/
	Leve3		Back Side	15	2	2417	-0.15	0.089	18.89	19.00	1.026	88.40	1.131	**0.103**	47#
Hotspot															
Ant.2	Leve4	802.11 b	Front Side	10	2	2417	0.18	0.143	15.71	16.00	1.069	99.70	1.003	0.153	/
	Leve4		Back Side	10	2	2417	-0.07	0.197	15.71	16.00	1.069	99.70	1.003	**0.211**	48#
	Leve4		Left Edge	10	2	2417	-0.07	0.170	15.71	16.00	1.069	99.70	1.003	0.182	/
	Leve4		Top Edge	10	2	2417	-0.17	0.145	15.71	16.00	1.069	99.70	1.003	0.155	/
Ant.2	Leve4	802.11 g	Front Side	10	2	2417	-0.11	0.115	16.10	17.00	1.230	88.40	1.131	0.160	/
	Leve4		Back Side	10	2	2417	0.13	0.142	16.10	17.00	1.230	88.40	1.131	0.198	/
	Leve4		Left Edge	10	2	2417	0.10	0.116	16.10	17.00	1.230	88.40	1.131	0.161	/
	Leve4		Top Edge	10	2	2417	-0.07	0.106	16.10	17.00	1.230	88.40	1.131	0.147	/

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

10.15 WIFI 5GHz

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head																
Ant.2	5.3G	Level1	802.11n(HT40)	Left Cheek	0	54	5270	-0.02	0.576	16.65	17.50	1.216	77.51	1.290	0.904	/
		Level1		Left Tilt	0	54	5270	0.17	0.592	16.65	17.50	1.216	77.51	1.290	**0.929**	49#
		Level1		Right Cheek	0	54	5270	0.12	0.381	16.65	17.50	1.216	77.51	1.290	0.598	/
		Level1		Right Tilt	0	54	5270	-0.04	0.460	16.65	17.50	1.216	77.51	1.290	0.722	/
		Level1		Left Tilt	0	62	5310	0.09	0.113	8.80	9.50	1.175	77.51	1.290	0.171	/
		Level2	802.11n(HT40)	Left Cheek	0	54	5270	0.01	0.232	12.66	13.50	1.213	77.51	1.290	0.363	/
		Level2		Left Tilt	0	54	5270	-0.15	0.245	12.66	13.50	1.213	77.51	1.290	0.383	/
		Level2		Right Cheek	0	54	5270	0.17	0.152	12.66	13.50	1.213	77.51	1.290	0.238	/
		Level2		Right Tilt	0	54	5270	0.12	0.188	12.66	13.50	1.213	77.51	1.290	0.294	/
Ant.2	5.6G	Leve1	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.18	0.411	18.21	18.50	1.069	62.10	1.610	0.707	/
		Leve1		Left Tilt	0	122	5610	0.16	0.446	18.21	18.50	1.069	62.10	1.610	**0.768**	50#
		Leve1		Right Cheek	0	122	5610	-0.03	0.278	18.21	18.50	1.069	62.10	1.610	0.478	/
		Leve1		Right Tilt	0	122	5610	-0.19	0.271	18.21	18.50	1.069	62.10	1.610	0.466	/
		Leve2	802.11ac(VHT80)	Left Cheek	0	122	5610	-0.10	0.165	14.29	14.50	1.050	62.10	1.610	0.279	/
		Leve2		Left Tilt	0	122	5610	-0.17	0.181	14.29	14.50	1.050	62.10	1.610	0.306	/
		Leve2		Right Cheek	0	122	5610	0.03	0.112	14.29	14.50	1.050	62.10	1.610	0.189	/
		Leve2		Right Tilt	0	122	5610	0.08	0.105	14.29	14.50	1.050	62.10	1.610	0.178	/
Ant.2	5.8G	Level1	802.11n(HT40)	Left Cheek	0	159	5795	0.13	0.605	17.69	18.50	1.205	77.51	1.290	0.940	/
		Level1		Left Tilt	0	159	5795	-0.19	0.623	17.69	18.50	1.205	77.51	1.290	**0.968**	51#
		Level1		Right Cheek	0	159	5795	-0.02	0.312	17.69	18.50	1.205	77.51	1.290	0.485	/
		Level1		Right Tilt	0	159	5795	0.16	0.368	17.69	18.50	1.205	77.51	1.290	0.572	/
		Level1		Left Tilt	0	151	5745	-0.17	0.068	8.25	8.50	1.059	77.51	1.290	0.093	/
		Leve2	802.11n(HT40)	Left Cheek	0	159	5795	-0.02	0.245	13.68	14.50	1.208	77.51	1.290	0.382	/
		Leve2		Left Tilt	0	159	5795	-0.08	0.251	13.68	14.50	1.208	77.51	1.290	0.391	/
		Leve2		Right Cheek	0	159	5795	-0.13	0.128	13.68	14.50	1.208	77.51	1.290	0.199	/
		Leve2		Right Tilt	0	159	5795	-0.04	0.153	13.68	14.50	1.208	77.51	1.290	0.238	/
Body-worn																
Ant.2	5.3G	Leve3	802.11n(HT40)	Front Side	15	54	5270	-0.16	0.084	16.65	17.50	1.216	77.51	1.290	0.132	/
		Leve3		Back Side	15	54	5270	0.08	0.154	16.65	17.50	1.216	77.51	1.290	**0.242**	52#
Ant.2	5.6G	Leve3	802.11ac(VHT80)	Front Side	15	122	5610	-0.05	0.042	18.21	18.50	1.069	62.10	1.610	0.072	/
		Leve3		Back Side	15	122	5610	0.09	0.076	18.21	18.50	1.069	62.10	1.610	**0.131**	53#
Ant.2	5.8G	Leve3	802.11n(HT40)	Front Side	15	159	5795	0.18	0.108	17.69	18.50	1.205	77.51	1.290	0.168	/
		Leve3		Back Side	15	159	5795	-0.06	0.243	17.69	18.50	1.205	77.51	1.290	**0.378**	54#
Hotspot																
Ant.2	5.2G	Leve4	802.11n(HT40)	Front Side	10	46	5230	-0.02	0.037	11.36	12.50	1.300	77.51	1.290	0.062	/
		Leve4		Back Side	10	46	5230	0.00	0.072	11.36	12.50	1.300	77.51	1.290	0.121	/

		Leve4		Left Edge	10	46	5230	-0.09	0.045	11.36	12.50	1.300	77.51	1.290	0.075	/
		Leve4		Top Edge	10	46	5230	-0.02	0.075	11.36	12.50	1.300	77.51	1.290	**0.126**	55#
Ant.2	5.8G	Leve4		Front Side	10	159	5795	-0.07	0.094	14.77	15.50	1.183	77.51	1.290	0.143	/
		Leve4		Back Side	10	159	5795	0.07	0.168	14.77	15.50	1.183	77.51	1.290	0.256	/
		Leve4		Left Edge	10	159	5795	-0.02	0.163	14.77	15.50	1.183	77.51	1.290	0.249	/
		Leve4		Top Edge	10	159	5795	0.12	0.194	14.77	15.50	1.183	77.51	1.290	**0.296**	56#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

Antenna	Band	Power Reduction	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Specify																
Ant.2	5.3G	Leve3	802.11n(HT40)	Front Side	0	54	5270	-0.11	0.358	16.65	17.50	1.216	77.51	1.290	0.562	/
		Leve3		Back Side	0	54	5270	0.00	0.400	16.65	17.50	1.216	77.51	1.290	0.627	/
		Leve3		Left Edge	0	54	5270	-0.02	0.472	16.65	17.50	1.216	77.51	1.290	0.740	/
		Leve3		Top Edge	0	54	5270	-0.19	0.908	16.65	17.50	1.216	77.51	1.290	**1.424**	57#
Ant.2	5.6G	Leve3	802.11ac(VHT80)	Front Side	0	122	5610	-0.16	0.372	18.21	18.50	1.069	62.10	1.610	0.640	/
		Leve3		Back Side	0	122	5610	0.01	0.375	18.21	18.50	1.069	62.10	1.610	0.645	/
		Leve3		Left Edge	0	122	5610	0.17	0.341	18.21	18.50	1.069	62.10	1.610	0.587	/
		Leve3		Top Edge	0	122	5610	-0.17	0.809	18.21	18.50	1.069	62.10	1.610	**1.392**	58#
Note: Refer to ANNEX C for the detailed test data for each test configuration.																

10.16 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1 g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-power (dBm)	Scaling Factor	Duty Cycle (%)	Scaling Factor	1 g Scaled SAR (W/kg)	Meas. No.
Head														
Ant.2	DH5	Left Cheek	0	78	2480	0.01	0.017	10.53	11.50	1.250	77.69	1.287	**0.027**	59#
		Left Tilt	0	78	2480	0.11	0.013	10.53	11.50	1.250	77.69	1.287	0.021	/
		Right Cheek	0	78	2480	0.06	0.008	10.53	11.50	1.250	77.69	1.287	0.013	/
		Right Tilt	0	78	2480	0.05	0.006	10.53	11.50	1.250	77.69	1.287	0.010	/
Body-worn														
Ant.2	DH5	Front Side	15	78	2480	-0.07	0.007	10.53	11.50	1.250	77.69	1.287	0.011	/
		Back Side	15	78	2480	0.07	0.010	10.53	11.50	1.250	77.69	1.287	**0.016**	60#
Hotspot														
Ant.2	DH5	Front Side	10	78	2480	0.02	0.015	10.53	11.50	1.250	77.69	1.287	0.024	/
		Back Side	10	78	2480	0.04	0.025	10.53	11.50	1.250	77.69	1.287	**0.040**	61#
		Left Edge	10	78	2480	0.11	0.018	10.53	11.50	1.250	77.69	1.287	0.029	/
		Top Edge	10	78	2480	-0.09	0.015	10.53	11.50	1.250	77.69	1.287	0.024	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

10.17 NFC SAR

1. According to the 2022.04 TCBC Workshop meeting, the power threshold is ≤ 100MHz, refer to P6s.

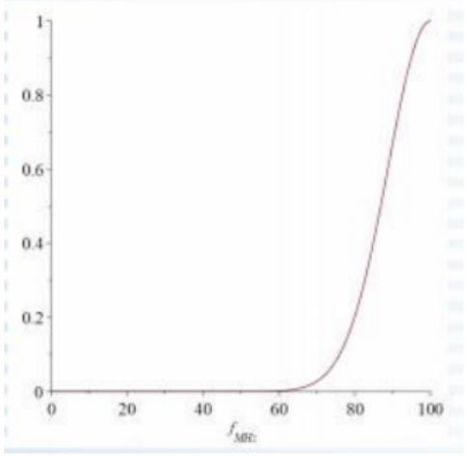
$$P_{7X}(d_{mm}, f_{MHz}) := \begin{cases} P_{6S}(d_{mm}, f_{MHz}) & f_{MHz} \le 100 \\ P_{6to7}(d_{mm}, f_{MHz}) & 100 < f_{MHz} \le 300 \\ P_{7}(d_{mm}, f_{MHz}) & 300 < f_{MHz} \end{cases}$$

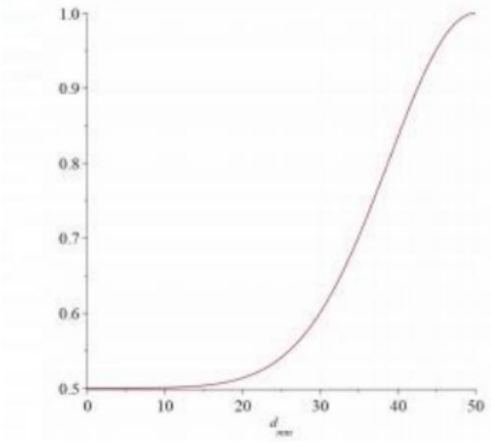
2. For portable products, when using a distance of ≤ 50mm, such as mobile phone NFC, P6s is calculated with the following formula calculate.

$$S_f(f_{MHz}) \cdot P_{431a}(d_{mm}, f_{MHz}) + (1 - S_f(f_{MHz})) \cdot S_d(d_{mm}) P_{431b1}(50., 100.) \cdot \left(1. + log10\left(\frac{100.}{f_{MHz}}\right)\right) \quad d_{mm} \le 50 \text{ and } f_{MHz} \le 100$$

3. The smoothing functions Sf and Sd in P6s calculate the limits based on KDB 447498 V06 and are calculated as follows.

$$S_f(f_{MHz}) := exp\left(-10\frac{(f_{MHz} - f_{max})^2}{\Delta f^2}\right) \qquad S_d(d_{mm}) := 0.5 + 0.5 \cdot exp\left(-10\frac{(d_{mm} - d_{max})^2}{\Delta d^2}\right)$$





d≤50mm				
f Max(MHz)	100		d Max(mm)	50
f MHz	13.56		d(mm)	5
△f(MHz)	100		△d	50
$S_f(f_{MHz})$	0.000568861		S_d（dmm）	0.50015177
P6s(mW)	443.1257378			
Note: SAR testing is required when the distance is 5mm and the power is greater than 443.13mW.				

4. According to the ANSI C63.10 clause 11.12.2.2：

The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the ERP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the ERP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the ERP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant ERP level to an equivalent electric field strength using the following relationship: E = ERP - 20log D + 104.8

where:

E = electric field strength in dBμV/m,

ERP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dBuV/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	62	3	6	-27.26
Note: 1. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz). 2.ERP= 62+20*Log(3) - 104.8 + 6 =-27.26 (dBm)					

According to the FCC KDB 447498 D04

Estimated SAR: SAR test =1.6 · Pant / Pth [W/kg]

Estimated SAR	1.6 ·Pant / Pth [W/kg]		
Pmeas.(dBm)	-27.26	Pmeas.(mW)	0.00188
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	＜0.001		

10.17.1 Highest Total Exposure Ratio of Simultaneous Transmission

NFC multi-transmit requires the use of the TER formula:

$$TER = \sum_{k=1}^{N_S}\left(\frac{SAR_k}{SAR_{\lim}}\right) + \sum_{k=1}^{N_f}\left(\frac{MPE_{field,\,k}}{MPE_{field,\,\lim}}\right)^2 + \sum_{k=1}^{N_{PD}}\left(\frac{MPE_{PD,\,k}}{MPE_{PD,\,\lim}}\right)$$

The maximum SAR value for Simultaneous Transmission is 3.65 [W/kg], SAR test exemption may be considered by applying a factor of 2.5 to the SAR-based exemption thresholds. Therefore, the worst TER =(3.645+0.001)/4.0 = 0.912＜1,the NFC SAR transmit simultaneously Pass.

11 SAR Measurement Variability

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

SAR repeated measurement procedure:

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

Frequency Band (MHz)	Wireless Band	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Repeated^{1th} Measured SAR (W/kg)	Largest to Smallest SAR Radio
1900	WCDMA Band 2	Head	Right Tilt	0.819	Yes	0.808	1.01
1900	LTE Band 2	Head	Right Tilt	0.878	Yes	0.855	1.03
1900	LTE Band 2	Body	Top Edge 10mm	0.943	Yes	0.915	1.03
1900	LTE Band 2	Body	Top Edge 0mm	2.420	Yes	2.320	1.04
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement. is not required.							

12 SIMULTANEOUS TRANSMISSION

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

12.1 Simultaneous Transmission Mode Consider

No.	Simultaneous Tx Combination	Head	Body-Worm	Hotspot	Specific
1	WWAN + WLAN 2.4GHz	Yes	Yes	Yes	Yes
2	WWAN + WLAN 5GHz+BT	Yes	Yes	Yes	Yes

Note:

1. WWAN antennas can switch automatically, the standards supported by WWAN are(GSM/GPRS/EDGE/WCDMA/LTE).
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. The simultaneous transmission combinations of multiple antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations is shown in this report.

12.2 Sum SAR of Simultaneous Transmission

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

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	1+2	1+3+4
			WWAN	2.4G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.1	Left Cheek	0.560	0.288	0.382	0.027	0.848	0.969
GSM850	Ant.1	Left Tilt	0.496	0.213	0.391	0.021	0.709	0.908
GSM850	Ant.1	Right Cheek	0.708	0.130	0.238	0.013	0.838	0.959
GSM850	Ant.1	Right Tilt	0.614	0.129	0.294	0.010	0.743	0.918
GSM850	Ant.0	Left Cheek	0.280	0.288	0.382	0.027	0.568	0.689
GSM850	Ant.0	Left Tilt	0.130	0.213	0.391	0.021	0.343	0.542
GSM850	Ant.0	Right Cheek	0.296	0.130	0.238	0.013	0.426	0.547
GSM850	Ant.0	Right Tilt	0.185	0.129	0.294	0.010	0.314	0.489
GSM 1900	Ant.1	Left Cheek	0.581	0.288	0.382	0.027	0.869	0.990
GSM 1900	Ant.1	Left Tilt	0.685	0.213	0.391	0.021	0.898	1.097
GSM 1900	Ant.1	Right Cheek	0.794	0.130	0.238	0.013	0.924	1.045
GSM 1900	Ant.1	Right Tilt	0.990	0.129	0.294	0.010	1.119	1.294
GSM 1900	Ant.0	Left Cheek	0.078	0.288	0.382	0.027	0.366	0.487
GSM 1900	Ant.0	Left Tilt	0.056	0.213	0.391	0.021	0.269	0.468
GSM 1900	Ant.0	Right Cheek	0.088	0.130	0.238	0.013	0.218	0.339
GSM 1900	Ant.0	Right Tilt	0.051	0.129	0.294	0.010	0.180	0.355
WCDMA B2	Ant.1	Left Cheek	0.570	0.288	0.382	0.027	0.858	0.979
WCDMA B2	Ant.1	Left Tilt	0.708	0.213	0.391	0.021	0.921	1.120
WCDMA B2	Ant.1	Right Cheek	0.754	0.130	0.238	0.013	0.884	1.005
WCDMA B2	Ant.1	Right Tilt	0.957	0.129	0.294	0.010	1.086	1.261
WCDMA B2	Ant.0	Left Cheek	0.144	0.288	0.382	0.027	0.432	0.553
WCDMA B2	Ant.0	Left Tilt	0.107	0.213	0.391	0.021	0.320	0.519
WCDMA B2	Ant.0	Right Cheek	0.152	0.130	0.238	0.013	0.282	0.403
WCDMA B2	Ant.0	Right Tilt	0.098	0.129	0.294	0.010	0.227	0.402
WCDMA B4	Ant.1	Left Cheek	0.520	0.288	0.382	0.027	0.808	0.929
WCDMA B4	Ant.1	Left Tilt	0.634	0.213	0.391	0.021	0.847	1.046
WCDMA B4	Ant.1	Right Cheek	0.691	0.130	0.238	0.013	0.821	0.942
WCDMA B4	Ant.1	Right Tilt	0.909	0.129	0.294	0.010	1.038	1.213
WCDMA B4	Ant.0	Left Cheek	0.089	0.288	0.382	0.027	0.377	0.498
WCDMA B4	Ant.0	Left Tilt	0.061	0.213	0.391	0.021	0.274	0.473
WCDMA B4	Ant.0	Right Cheek	0.112	0.130	0.238	0.013	0.242	0.363
WCDMA B4	Ant.0	Right Tilt	0.085	0.129	0.294	0.010	0.214	0.389
WCDMA B5	Ant.1	Left Cheek	0.498	0.288	0.382	0.027	0.786	0.907
WCDMA B5	Ant.1	Left Tilt	0.484	0.213	0.391	0.021	0.697	0.896
WCDMA B5	Ant.1	Right Cheek	0.635	0.130	0.238	0.013	0.765	0.886

WCDMA B5	Ant.1	Right Tilt	0.602	0.129	0.294	0.010	0.731	0.906
WCDMA B5	Ant.0	Left Cheek	0.498	0.288	0.382	0.027	0.786	0.907
WCDMA B5	Ant.0	Left Tilt	0.484	0.213	0.391	0.021	0.697	0.896
WCDMA B5	Ant.0	Right Cheek	0.635	0.130	0.238	0.013	0.765	0.886
WCDMA B5	Ant.0	Right Tilt	0.602	0.129	0.294	0.010	0.731	0.906
LTE B2	Ant.1	Left Cheek	0.581	0.288	0.382	0.027	0.869	0.990
LTE B2	Ant.1	Left Tilt	0.705	0.213	0.391	0.021	0.918	1.117
LTE B2	Ant.1	Right Cheek	0.842	0.130	0.238	0.013	0.972	1.093
LTE B2	Ant.1	Right Tilt	1.022	0.129	0.294	0.010	1.151	**1.326**
LTE B2	Ant.0	Left Cheek	0.121	0.288	0.382	0.027	0.409	0.530
LTE B2	Ant.0	Left Tilt	0.084	0.213	0.391	0.021	0.297	0.496
LTE B2	Ant.0	Right Cheek	0.131	0.130	0.238	0.013	0.261	0.382
LTE B2	Ant.0	Right Tilt	0.095	0.129	0.294	0.010	0.224	0.399
LTE B4	Ant.1	Left Cheek	0.329	0.288	0.382	0.027	0.617	0.738
LTE B4	Ant.1	Left Tilt	0.409	0.213	0.391	0.021	0.622	0.821
LTE B4	Ant.1	Right Cheek	0.454	0.130	0.238	0.013	0.584	0.705
LTE B4	Ant.1	Right Tilt	0.533	0.129	0.294	0.010	0.662	0.837
LTE B4	Ant.0	Left Cheek	0.063	0.288	0.382	0.027	0.351	0.472
LTE B4	Ant.0	Left Tilt	0.051	0.213	0.391	0.021	0.264	0.463
LTE B4	Ant.0	Right Cheek	0.086	0.130	0.238	0.013	0.216	0.337
LTE B4	Ant.0	Right Tilt	0.075	0.129	0.294	0.010	0.204	0.379
LTE B5	Ant.1	Left Cheek	0.450	0.288	0.382	0.027	0.738	0.859
LTE B5	Ant.1	Left Tilt	0.420	0.213	0.391	0.021	0.633	0.832
LTE B5	Ant.1	Right Cheek	0.625	0.130	0.238	0.013	0.755	0.876
LTE B5	Ant.1	Right Tilt	0.549	0.129	0.294	0.010	0.678	0.853
LTE B5	Ant.0	Left Cheek	0.201	0.288	0.382	0.027	0.489	0.610
LTE B5	Ant.0	Left Tilt	0.118	0.213	0.391	0.021	0.331	0.530
LTE B5	Ant.0	Right Cheek	0.239	0.130	0.238	0.013	0.369	0.490
LTE B5	Ant.0	Right Tilt	0.143	0.129	0.294	0.010	0.272	0.447
LTE B7	Ant.1	Left Cheek	0.120	0.288	0.382	0.027	0.408	0.529
LTE B7	Ant.1	Left Tilt	0.146	0.213	0.391	0.021	0.359	0.558
LTE B7	Ant.1	Right Cheek	0.243	0.130	0.238	0.013	0.373	0.494
LTE B7	Ant.1	Right Tilt	0.318	0.129	0.294	0.010	0.447	0.622
LTE B7	Ant.0	Left Cheek	0.274	0.288	0.382	0.027	0.562	0.683
LTE B7	Ant.0	Left Tilt	0.207	0.213	0.391	0.021	0.420	0.619
LTE B7	Ant.0	Right Cheek	0.176	0.130	0.238	0.013	0.306	0.427
LTE B7	Ant.0	Right Tilt	0.123	0.129	0.294	0.010	0.252	0.427
LTE B13	Ant.1	Left Cheek	0.310	0.288	0.382	0.027	0.598	0.719
LTE B13	Ant.1	Left Tilt	0.291	0.213	0.391	0.021	0.504	0.703
LTE B13	Ant.1	Right Cheek	0.527	0.130	0.238	0.013	0.657	0.778
LTE B13	Ant.1	Right Tilt	0.481	0.129	0.294	0.010	0.610	0.785
LTE B13	Ant.0	Left Cheek	0.128	0.288	0.382	0.027	0.416	0.537
LTE B13	Ant.0	Left Tilt	0.068	0.213	0.391	0.021	0.281	0.480

LTE B13	Ant.0	Right Cheek	0.129	0.130	0.238	0.013	0.259	0.380
LTE B13	Ant.0	Right Tilt	0.076	0.129	0.294	0.010	0.205	0.380
LTE B66	Ant.1	Left Cheek	0.443	0.288	0.382	0.027	0.731	0.852
LTE B66	Ant.1	Left Tilt	0.533	0.213	0.391	0.021	0.746	0.945
LTE B66	Ant.1	Right Cheek	0.541	0.130	0.238	0.013	0.671	0.792
LTE B66	Ant.1	Right Tilt	0.583	0.129	0.294	0.010	0.712	0.887
LTE B66	Ant.0	Left Cheek	0.056	0.288	0.382	0.027	0.344	0.465
LTE B66	Ant.0	Left Tilt	0.045	0.213	0.391	0.021	0.258	0.457
LTE B66	Ant.0	Right Cheek	0.077	0.130	0.238	0.013	0.207	0.328
LTE B66	Ant.0	Right Tilt	0.066	0.129	0.294	0.010	0.195	0.370
LTE B38	Ant.1	Left Cheek	0.228	0.288	0.382	0.027	0.516	0.637
LTE B38	Ant.1	Left Tilt	0.305	0.213	0.391	0.021	0.518	0.717
LTE B38	Ant.1	Right Cheek	0.523	0.130	0.238	0.013	0.653	0.774
LTE B38	Ant.1	Right Tilt	0.701	0.129	0.294	0.010	0.830	1.005
LTE B38	Ant.0	Left Cheek	0.173	0.288	0.382	0.027	0.461	0.582
LTE B38	Ant.0	Left Tilt	0.105	0.213	0.391	0.021	0.318	0.517
LTE B38	Ant.0	Right Cheek	0.104	0.130	0.238	0.013	0.234	0.355
LTE B38	Ant.0	Right Tilt	0.086	0.129	0.294	0.010	0.215	0.390
LTE B41	Ant.1	Left Cheek	0.169	0.288	0.382	0.027	0.457	0.578
LTE B41	Ant.1	Left Tilt	0.219	0.213	0.391	0.021	0.432	0.631
LTE B41	Ant.1	Right Cheek	0.386	0.130	0.238	0.013	0.516	0.637
LTE B41	Ant.1	Right Tilt	0.530	0.129	0.294	0.010	0.659	0.834
LTE B41	Ant.0	Left Cheek	0.217	0.288	0.382	0.027	0.505	0.626
LTE B41	Ant.0	Left Tilt	0.108	0.213	0.391	0.021	0.321	0.520
LTE B41	Ant.0	Right Cheek	0.102	0.130	0.238	0.013	0.232	0.353
LTE B41	Ant.0	Right Tilt	0.085	0.129	0.294	0.010	0.214	0.389

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

12.2.2 Body-worn Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR				SUM SAR	
			1	2	3	4	1+2	1+3+4
			WWAN	2.4G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.1	Front Side15mm	0.132	0.082	0.168	0.011	0.214	0.311
GSM850	Ant.1	Back Side15mm	0.200	0.103	0.378	0.016	0.303	0.594
GSM850	Ant.0	Front Side15mm	0.124	0.082	0.168	0.011	0.206	0.303
GSM850	Ant.0	Back Side15mm	0.185	0.103	0.378	0.016	0.288	0.579
GSM 1900	Ant.1	Front Side15mm	0.152	0.082	0.168	0.011	0.234	0.331
GSM 1900	Ant.1	Back Side15mm	0.221	0.103	0.378	0.016	0.324	0.615
GSM 1900	Ant.0	Front Side15mm	0.079	0.082	0.168	0.011	0.161	0.258
GSM 1900	Ant.0	Back Side15mm	0.176	0.103	0.378	0.016	0.279	0.570
WCDMA B2	Ant.1	Front Side15mm	0.099	0.082	0.168	0.011	0.181	0.278
WCDMA B2	Ant.1	Back Side15mm	0.215	0.103	0.378	0.016	0.318	0.609
WCDMA B2	Ant.0	Front Side15mm	0.165	0.082	0.168	0.011	0.247	0.344
WCDMA B2	Ant.0	Back Side15mm	0.310	0.103	0.378	0.016	0.413	0.704
WCDMA B4	Ant.1	Front Side15mm	0.094	0.082	0.168	0.011	0.176	0.273
WCDMA B4	Ant.1	Back Side15mm	0.118	0.103	0.378	0.016	0.221	0.512
WCDMA B4	Ant.0	Front Side15mm	0.066	0.082	0.168	0.011	0.148	0.245
WCDMA B4	Ant.0	Back Side15mm	0.146	0.103	0.378	0.016	0.249	0.540
WCDMA B5	Ant.1	Front Side15mm	0.090	0.082	0.168	0.011	0.172	0.269
WCDMA B5	Ant.1	Back Side15mm	0.122	0.103	0.378	0.016	0.225	0.516
WCDMA B5	Ant.0	Front Side15mm	0.196	0.082	0.168	0.011	0.278	0.375
WCDMA B5	Ant.0	Back Side15mm	0.224	0.103	0.378	0.016	0.327	0.618
LTE B2	Ant.1	Front Side15mm	0.176	0.082	0.168	0.011	0.258	0.355
LTE B2	Ant.1	Back Side15mm	0.605	0.103	0.378	0.016	0.708	**0.999**
LTE B2	Ant.0	Front Side15mm	0.085	0.082	0.168	0.011	0.167	0.264
LTE B2	Ant.0	Back Side15mm	0.247	0.103	0.378	0.016	0.350	0.641
LTE B4	Ant.1	Front Side15mm	0.099	0.082	0.168	0.011	0.181	0.278
LTE B4	Ant.1	Back Side15mm	0.131	0.103	0.378	0.016	0.234	0.525
LTE B4	Ant.0	Front Side15mm	0.069	0.082	0.168	0.011	0.151	0.248
LTE B4	Ant.0	Back Side15mm	0.148	0.103	0.378	0.016	0.251	0.542
LTE B5	Ant.1	Front Side15mm	0.087	0.082	0.168	0.011	0.169	0.266
LTE B5	Ant.1	Back Side15mm	0.096	0.103	0.378	0.016	0.199	0.490
LTE B5	Ant.0	Front Side15mm	0.179	0.082	0.168	0.011	0.261	0.358
LTE B5	Ant.0	Back Side15mm	0.237	0.103	0.378	0.016	0.340	0.631
LTE B7	Ant.1	Front Side15mm	0.080	0.082	0.168	0.011	0.162	0.259
LTE B7	Ant.1	Back Side15mm	0.190	0.103	0.378	0.016	0.293	0.584
LTE B7	Ant.0	Front Side15mm	0.114	0.082	0.168	0.011	0.196	0.293
LTE B7	Ant.0	Back Side15mm	0.151	0.103	0.378	0.016	0.254	0.545

LTE B13	Ant.1	Front Side15mm	0.091	0.082	0.168	0.011	0.173	0.270
LTE B13	Ant.1	Back Side15mm	0.104	0.103	0.378	0.016	0.207	0.498
LTE B13	Ant.0	Front Side15mm	0.107	0.082	0.168	0.011	0.189	0.286
LTE B13	Ant.0	Back Side15mm	0.180	0.103	0.378	0.016	0.283	0.574
LTE B66	Ant.1	Front Side15mm	0.121	0.082	0.168	0.011	0.203	0.300
LTE B66	Ant.1	Back Side15mm	0.155	0.103	0.378	0.016	0.258	0.549
LTE B66	Ant.0	Front Side15mm	0.066	0.082	0.168	0.011	0.148	0.245
LTE B66	Ant.0	Back Side15mm	0.160	0.103	0.378	0.016	0.263	0.554
LTE B38	Ant.1	Front Side15mm	0.081	0.082	0.168	0.011	0.163	0.260
LTE B38	Ant.1	Back Side15mm	0.217	0.103	0.378	0.016	0.320	0.611
LTE B38	Ant.0	Front Side15mm	0.114	0.082	0.168	0.011	0.196	0.293
LTE B38	Ant.0	Back Side15mm	0.162	0.103	0.378	0.016	0.265	0.556
LTE B41	Ant.1	Front Side15mm	0.098	0.082	0.168	0.011	0.180	0.277
LTE B41	Ant.1	Back Side15mm	0.239	0.103	0.378	0.016	0.342	0.633
LTE B41	Ant.0	Front Side15mm	0.109	0.082	0.168	0.011	0.191	0.288
LTE B41	Ant.0	Back Side15mm	0.157	0.103	0.378	0.016	0.260	0.551

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

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

Band	Antenna	Position	Stand alone SAR						SUM SAR	
			1	2			3	4	1+2	1+3+4
			WWAN	2.4G WIFI	5.2&5.3G WIFI	5.8G WIFI	5G WIFI Max	Bluetooth	WWAN+2.4G WIFI	WWAN+5G WIFI+Bluetooth
GSM850	Ant.1	Front Side 10mm	0.135	0.160	0.062	0.143	0.143	0.024	0.295	0.302
GSM850	Ant.1	Back Side 10mm	0.196	0.211	0.121	0.256	0.256	0.040	0.407	0.492
GSM850	Ant.1	Right Edge 10mm	0.071	0.000	0.000	0.000	0.000	0.000	0.071	0.071
GSM850	Ant.1	Top Edge 10mm	0.200	0.155	0.126	0.296	0.296	0.024	0.355	0.520
GSM850	Ant.0	Front Side 10mm	0.356	0.160	0.062	0.143	0.143	0.024	0.516	0.523
GSM850	Ant.0	Back Side 10mm	0.558	0.211	0.121	0.256	0.256	0.040	0.769	0.854
GSM850	Ant.0	Left Edge 10mm	0.347	0.182	0.075	0.249	0.249	0.029	0.529	0.625
GSM850	Ant.0	Right Edge 10mm	0.189	0.000	0.000	0.000	0.000	0.000	0.189	0.189
GSM850	Ant.0	Bottom Edge 10mm	0.601	0.000	0.000	0.000	0.000	0.000	0.601	0.601
GSM 1900	Ant.1	Front Side 10mm	0.285	0.160	0.062	0.143	0.143	0.024	0.445	0.452
GSM 1900	Ant.1	Back Side 10mm	0.454	0.211	0.121	0.256	0.256	0.040	0.665	0.750
GSM 1900	Ant.1	Right Edge 10mm	0.062	0.000	0.000	0.000	0.000	0.000	0.062	0.062
GSM 1900	Ant.1	Top Edge 10mm	0.762	0.155	0.126	0.296	0.296	0.024	0.917	1.082
GSM 1900	Ant.0	Front Side 10mm	0.116	0.160	0.062	0.143	0.143	0.024	0.276	0.283
GSM 1900	Ant.0	Back Side 10mm	0.275	0.211	0.121	0.256	0.256	0.040	0.486	0.571
GSM 1900	Ant.0	Left Edge 10mm	0.007	0.182	0.075	0.249	0.249	0.029	0.189	0.285
GSM 1900	Ant.0	Right Edge 10mm	0.065	0.000	0.000	0.000	0.000	0.000	0.065	0.065
GSM 1900	Ant.0	Bottom Edge 10mm	0.101	0.000	0.000	0.000	0.000	0.000	0.101	0.101
WCDMA B2	Ant.1	Front Side 10mm	0.406	0.160	0.062	0.143	0.143	0.024	0.566	0.573
WCDMA B2	Ant.1	Back Side 10mm	0.751	0.211	0.121	0.256	0.256	0.040	0.962	1.047
WCDMA B2	Ant.1	Right Edge 10mm	0.079	0.000	0.000	0.000	0.000	0.000	0.079	0.079
WCDMA B2	Ant.1	Top Edge 10mm	1.118	0.155	0.126	0.296	0.296	0.024	1.273	**1.438**
WCDMA B2	Ant.0	Front Side 10mm	0.155	0.160	0.062	0.143	0.143	0.024	0.315	0.322
WCDMA B2	Ant.0	Back Side 10mm	0.347	0.211	0.121	0.256	0.256	0.040	0.558	0.643
WCDMA B2	Ant.0	Left Edge 10mm	0.000	0.182	0.075	0.249	0.249	0.029	0.182	0.278
WCDMA B2	Ant.0	Right Edge 10mm	0.094	0.000	0.000	0.000	0.000	0.000	0.094	0.094
WCDMA B2	Ant.0	Bottom Edge 10mm	0.344	0.000	0.000	0.000	0.000	0.000	0.344	0.344
WCDMA B4	Ant.1	Front Side 10mm	0.233	0.160	0.062	0.143	0.143	0.024	0.393	0.400
WCDMA B4	Ant.1	Back Side 10mm	0.293	0.211	0.121	0.256	0.256	0.040	0.504	0.589
WCDMA B4	Ant.1	Right Edge 10mm	0.042	0.000	0.000	0.000	0.000	0.000	0.042	0.042
WCDMA B4	Ant.1	Top Edge 10mm	0.612	0.155	0.126	0.296	0.296	0.024	0.767	0.932
WCDMA B4	Ant.0	Front Side 10mm	0.146	0.160	0.062	0.143	0.143	0.024	0.306	0.313
WCDMA B4	Ant.0	Back Side 10mm	0.376	0.211	0.121	0.256	0.256	0.040	0.587	0.672
WCDMA B4	Ant.0	Left Edge 10mm	0.000	0.182	0.075	0.249	0.249	0.029	0.182	0.278
WCDMA B4	Ant.0	Right Edge 10mm	0.088	0.000	0.000	0.000	0.000	0.000	0.088	0.088
WCDMA B4	Ant.0	Bottom Edge 10mm	0.547	0.000	0.000	0.000	0.000	0.000	0.547	0.547

WCDMA B5	Ant.1	Front Side 10mm	0.142	0.160	0.062	0.143	0.143	0.024	0.302	0.309
WCDMA B5	Ant.1	Back Side 10mm	0.240	0.211	0.121	0.256	0.256	0.040	0.451	0.536
WCDMA B5	Ant.1	Right Edge 10mm	0.075	0.000	0.000	0.000	0.000	0.000	0.075	0.075
WCDMA B5	Ant.1	Top Edge 10mm	0.168	0.155	0.126	0.296	0.296	0.024	0.323	0.488
WCDMA B5	Ant.0	Front Side 10mm	0.259	0.160	0.062	0.143	0.143	0.024	0.419	0.426
WCDMA B5	Ant.0	Back Side 10mm	0.417	0.211	0.121	0.256	0.256	0.040	0.628	0.713
WCDMA B5	Ant.0	Left Edge 10mm	0.082	0.182	0.075	0.249	0.249	0.029	0.264	0.360
WCDMA B5	Ant.0	Right Edge 10mm	0.013	0.000	0.000	0.000	0.000	0.000	0.013	0.013
WCDMA B5	Ant.0	Bottom Edge 10mm	0.360	0.000	0.000	0.000	0.000	0.000	0.360	0.360
LTE B2	Ant.1	Front Side 10mm	0.413	0.160	0.062	0.143	0.143	0.024	0.573	0.580
LTE B2	Ant.1	Back Side 10mm	0.622	0.211	0.121	0.256	0.256	0.040	0.833	0.918
LTE B2	Ant.1	Right Edge 10mm	0.087	0.000	0.000	0.000	0.000	0.000	0.087	0.087
LTE B2	Ant.1	Top Edge 10mm	1.053	0.155	0.126	0.296	0.296	0.024	1.208	1.373
LTE B2	Ant.0	Front Side 10mm	0.131	0.160	0.062	0.143	0.143	0.024	0.291	0.298
LTE B2	Ant.0	Back Side 10mm	0.352	0.211	0.121	0.256	0.256	0.040	0.563	0.648
LTE B2	Ant.0	Left Edge 10mm	0.035	0.182	0.075	0.249	0.249	0.029	0.217	0.313
LTE B2	Ant.0	Right Edge 10mm	0.093	0.000	0.000	0.000	0.000	0.000	0.093	0.093
LTE B2	Ant.0	Bottom Edge 10mm	0.326	0.000	0.000	0.000	0.000	0.000	0.326	0.326
LTE B4	Ant.1	Front Side 10mm	0.379	0.160	0.062	0.143	0.143	0.024	0.539	0.546
LTE B4	Ant.1	Back Side 10mm	0.475	0.211	0.121	0.256	0.256	0.040	0.686	0.771
LTE B4	Ant.1	Right Edge 10mm	0.067	0.000	0.000	0.000	0.000	0.000	0.067	0.067
LTE B4	Ant.1	Top Edge 10mm	0.549	0.155	0.126	0.296	0.296	0.024	0.704	0.869
LTE B4	Ant.0	Front Side 10mm	0.264	0.160	0.062	0.143	0.143	0.024	0.424	0.431
LTE B4	Ant.0	Back Side 10mm	0.663	0.211	0.121	0.256	0.256	0.040	0.874	0.959
LTE B4	Ant.0	Left Edge 10mm	0.068	0.182	0.075	0.249	0.249	0.029	0.250	0.346
LTE B4	Ant.0	Right Edge 10mm	0.124	0.000	0.000	0.000	0.000	0.000	0.124	0.124
LTE B4	Ant.0	Bottom Edge 10mm	0.702	0.000	0.000	0.000	0.000	0.000	0.702	0.702
LTE B5	Ant.1	Front Side 10mm	0.138	0.160	0.062	0.143	0.143	0.024	0.298	0.305
LTE B5	Ant.1	Back Side 10mm	0.226	0.211	0.121	0.256	0.256	0.040	0.437	0.522
LTE B5	Ant.1	Right Edge 10mm	0.088	0.000	0.000	0.000	0.000	0.000	0.088	0.088
LTE B5	Ant.1	Top Edge 10mm	0.157	0.155	0.126	0.296	0.296	0.024	0.312	0.477
LTE B5	Ant.0	Front Side 10mm	0.246	0.160	0.062	0.143	0.143	0.024	0.406	0.413
LTE B5	Ant.0	Back Side 10mm	0.399	0.211	0.121	0.256	0.256	0.040	0.610	0.695
LTE B5	Ant.0	Left Edge 10mm	0.229	0.182	0.075	0.249	0.249	0.029	0.411	0.507
LTE B5	Ant.0	Right Edge 10mm	0.135	0.000	0.000	0.000	0.000	0.000	0.135	0.135
LTE B5	Ant.0	Bottom Edge 10mm	0.439	0.000	0.000	0.000	0.000	0.000	0.439	0.439
LTE B7	Ant.1	Front Side 10mm	0.122	0.160	0.062	0.143	0.143	0.024	0.282	0.289
LTE B7	Ant.1	Back Side 10mm	0.235	0.211	0.121	0.256	0.256	0.040	0.446	0.531
LTE B7	Ant.1	Right Edge 10mm	0.121	0.000	0.000	0.000	0.000	0.000	0.121	0.121
LTE B7	Ant.1	Top Edge 10mm	0.320	0.155	0.126	0.296	0.296	0.024	0.475	0.640
LTE B7	Ant.0	Front Side 10mm	0.206	0.160	0.062	0.143	0.143	0.024	0.366	0.373
LTE B7	Ant.0	Back Side 10mm	0.287	0.211	0.121	0.256	0.256	0.040	0.498	0.583
LTE B7	Ant.0	Left Edge 10mm	0.048	0.182	0.075	0.249	0.249	0.029	0.230	0.326

LTE B7	Ant.0	Right Edge 10mm	0.190	0.000	0.000	0.000	0.000	0.000	0.190	0.190
LTE B7	Ant.0	Bottom Edge 10mm	0.239	0.000	0.000	0.000	0.000	0.000	0.239	0.239
LTE B13	Ant.1	Front Side 10mm	0.090	0.160	0.062	0.143	0.143	0.024	0.250	0.257
LTE B13	Ant.1	Back Side 10mm	0.155	0.211	0.121	0.256	0.256	0.040	0.366	0.451
LTE B13	Ant.1	Right Edge 10mm	0.118	0.000	0.000	0.000	0.000	0.000	0.118	0.118
LTE B13	Ant.1	Top Edge 10mm	0.140	0.155	0.126	0.296	0.296	0.024	0.295	0.460
LTE B13	Ant.0	Front Side 10mm	0.104	0.160	0.062	0.143	0.143	0.024	0.264	0.271
LTE B13	Ant.0	Back Side 10mm	0.191	0.211	0.121	0.256	0.256	0.040	0.402	0.487
LTE B13	Ant.0	Left Edge 10mm	0.162	0.182	0.075	0.249	0.249	0.029	0.344	0.440
LTE B13	Ant.0	Right Edge 10mm	0.113	0.000	0.000	0.000	0.000	0.000	0.113	0.113
LTE B13	Ant.0	Bottom Edge 10mm	0.149	0.000	0.000	0.000	0.000	0.000	0.149	0.149
LTE B66	Ant.1	Front Side 10mm	0.308	0.160	0.062	0.143	0.143	0.024	0.468	0.475
LTE B66	Ant.1	Back Side 10mm	0.367	0.211	0.121	0.256	0.256	0.040	0.578	0.663
LTE B66	Ant.1	Right Edge 10mm	0.048	0.000	0.000	0.000	0.000	0.000	0.048	0.048
LTE B66	Ant.1	Top Edge 10mm	0.804	0.155	0.126	0.296	0.296	0.024	0.959	1.124
LTE B66	Ant.0	Front Side 10mm	0.140	0.160	0.062	0.143	0.143	0.024	0.300	0.307
LTE B66	Ant.0	Back Side 10mm	0.369	0.211	0.121	0.256	0.256	0.040	0.580	0.665
LTE B66	Ant.0	Left Edge 10mm	0.033	0.182	0.075	0.249	0.249	0.029	0.215	0.311
LTE B66	Ant.0	Right Edge 10mm	0.077	0.000	0.000	0.000	0.000	0.000	0.077	0.077
LTE B66	Ant.0	Bottom Edge 10mm	0.416	0.000	0.000	0.000	0.000	0.000	0.416	0.416
LTE B38	Ant.1	Front Side 10mm	0.107	0.160	0.062	0.143	0.143	0.024	0.267	0.274
LTE B38	Ant.1	Back Side 10mm	0.292	0.211	0.121	0.256	0.256	0.040	0.503	0.588
LTE B38	Ant.1	Right Edge 10mm	0.127	0.000	0.000	0.000	0.000	0.000	0.127	0.127
LTE B38	Ant.1	Top Edge 10mm	0.455	0.155	0.126	0.296	0.296	0.024	0.610	0.775
LTE B38	Ant.0	Front Side 10mm	0.163	0.160	0.062	0.143	0.143	0.024	0.323	0.330
LTE B38	Ant.0	Back Side 10mm	0.240	0.211	0.121	0.256	0.256	0.040	0.451	0.536
LTE B38	Ant.0	Left Edge 10mm	0.038	0.182	0.075	0.249	0.249	0.029	0.220	0.316
LTE B38	Ant.0	Right Edge 10mm	0.148	0.000	0.000	0.000	0.000	0.000	0.148	0.148
LTE B38	Ant.0	Bottom Edge 10mm	0.192	0.000	0.000	0.000	0.000	0.000	0.192	0.192
LTE B41	Ant.1	Front Side 10mm	0.164	0.160	0.062	0.143	0.143	0.024	0.324	0.331
LTE B41	Ant.1	Back Side 10mm	0.473	0.211	0.121	0.256	0.256	0.040	0.684	0.769
LTE B41	Ant.1	Right Edge 10mm	0.184	0.000	0.000	0.000	0.000	0.000	0.184	0.184
LTE B41	Ant.1	Top Edge 10mm	0.636	0.155	0.126	0.296	0.296	0.024	0.791	0.956
LTE B41	Ant.0	Front Side 10mm	0.157	0.160	0.062	0.143	0.143	0.024	0.317	0.324
LTE B41	Ant.0	Back Side 10mm	0.233	0.211	0.121	0.256	0.256	0.040	0.444	0.529
LTE B41	Ant.0	Left Edge 10mm	0.006	0.182	0.075	0.249	0.249	0.029	0.188	0.284
LTE B41	Ant.0	Right Edge 10mm	0.140	0.000	0.000	0.000	0.000	0.000	0.140	0.140
LTE B41	Ant.0	Bottom Edge 10mm	0.173	0.000	0.000	0.000	0.000	0.000	0.173	0.173

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

12.2.4 Limb Simultaneous Transmission SAR Evaluation for WWAN Mode and 2.4G WLAN or 5G WLAN and BT

Band	Antenna	Position	Stand alone SAR		SUM SAR
			1	2	1+2
			WWAN	5G WIFI Max	WWAN+5G WIFI
GSM1900	Ant.1	Top Edge 0mm	1.789	1.424	3.213
WCDMA B2	Ant.1	Back Side 0mm	1.384	0.645	2.029
WCDMA B2	Ant.1	Top Edge 0mm	1.778	1.424	3.202
WCDMA B4	Ant.1	Top Edge 0mm	1.504	1.424	2.928
LTE B2	Ant.1	Back Side 0mm	1.463	0.645	2.108
LTE B2	Ant.1	Top Edge 0mm	2.221	1.424	**3.645**
LTE B4	Ant.1	Back Side 0mm	0.904	0.645	1.549
LTE B4	Ant.1	Top Edge 0mm	1.508	1.424	2.932
LTE B4	Ant.0	Back Side 0mm	1.416	0.645	2.061
LTE B66	Ant.1	Back Side 0mm	0.962	0.645	1.607
LTE B66	Ant.1	Top Edge 0mm	1.876	1.424	3.300

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 10g SAR is 3.645 W/Kg < 4.0 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: 1208	2021/07/05	2024/07/05
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: 7506	2023/06/29	2024/06/28
Data Acquisition Electronicsr	Speag	DAE4	SN: 1710	2024/01/03	2025/01/02
Signal Generator	R&S	SMB100A	177746	2023/05/10	2024/05/09
Power Meter	R&S	NRVD-B2	835843/014	2023/09/05	2024/09/04
Power Sensor	R&S	NRV-Z4	100381	2023/09/05	2024/09/04
Power Sensor	R&S	NRV-Z2	100211	2023/09/05	2024/09/04
Wireless Communication Test Set	Anritsu	MT8820C	6201144551	2023/06/29	2024/06/29
Network Analyzer	Agilent	E5071C	MY46103472	2023/11/14	2024/11/14
Thermometer	Elitech	RC-4HC	EF5238001628	2023/10/09	2024/10/09
Thermometer	Elitech	RC-4HC	EF7239002652	2023/11/17	2024/11/17
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1576	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 a DAK3.5 Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (℃)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2024.02.28	Head	750	21.5	0.91	41.79	0.89	41.94	2.25	-0.36
2024.02.29	Head	835	21.4	0.90	41.87	0.90	41.50	0.00	0.89
2024.03.01	Head	835	21.1	0.89	41.53	0.90	41.50	-1.11	0.07
2024.03.02	Head	1750	21.3	1.38	40.05	1.37	40.08	0.73	-0.07
2024.03.03	Head	1750	21.3	1.36	41.22	1.37	40.08	-0.73	2.84
2024.03.04	Head	1750	21.5	1.39	40.22	1.37	40.08	1.46	0.35
2024.03.05	Head	1900	21.9	1.39	40.03	1.40	40.00	-0.71	0.08
2024.03.06	Head	1900	21.9	1.38	39.25	1.40	40.00	-1.43	-1.88
2024.03.07	Head	2450	21.3	1.80	39.53	1.80	39.20	0.00	0.84
2024.03.08	Head	2600	21.6	1.98	38.92	1.96	39.01	1.02	-0.23
2024.03.09	Head	2600	21.8	1.97	38.61	1.96	39.01	0.51	-1.03
2024.03.10	Head	2600	21.5	1.98	38.55	1.96	39.01	1.02	-1.18
2024.03.11	Head	5250	21.6	4.71	35.97	4.71	35.93	0.00	0.11
2024.03.12	Head	5600	21.8	5.06	35.12	5.07	35.53	-0.20	-1.15
2024.03.13	Head	5750	21.4	5.18	35.41	5.22	35.36	-0.77	0.14
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.02.28	Head	750	100	0.82	8.17	8.51	-4.00
2024.02.29	Head	835	100	0.90	9.02	9.76	-7.58
2024.03.01	Head	835	100	0.91	9.07	9.76	-7.07
2024.03.02	Head	1750	100	3.77	37.70	36.70	2.72
2024.03.03	Head	1750	100	3.71	37.10	36.70	1.09
2024.03.04	Head	1750	100	3.72	37.20	36.70	1.36
2024.03.05	Head	1900	100	4.03	40.30	40.30	0.00
2024.03.06	Head	1900	100	4.17	41.70	40.30	0.03
2024.03.07	Head	2450	100	5.05	50.50	53.00	-0.05
2024.03.08	Head	2600	100	5.53	55.30	56.80	-0.03
2024.03.09	Head	2600	100	5.37	53.70	56.80	-0.05
2024.03.10	Head	2600	100	5.91	59.10	56.80	0.04
2024.03.11	Head	5250	100	7.36	73.60	77.80	-0.05
2024.03.12	Head	5600	100	8.47	84.70	81.20	0.04
2024.03.13	Head	5750	100	8.27	82.70	77.20	0.07
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2024.03.05	1900	100	2.100	21.00	20.30	0.03
2024.03.06	1900	100	2.110	21.10	20.30	0.04
2024.03.02	1750	100	1.980	19.80	19.10	3.66
2024.03.03	1750	100	2.040	20.40	19.10	6.81
2024.03.04	1750	100	1.980	19.80	19.10	3.66
2024.03.11	5250	100	2.060	20.60	22.10	-0.07
2024.03.12	5600	100	2.400	24.00	23.10	0.04
Note: The tolerance limit of System validation ±10%.						

System Performance Check Data (750MHz)

Date: 2024.02.28

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

Medium parameters used (extrapolated): f = 750 MHz; σ = 0.905 S/m; ε_r = 41.789; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.871 W/kg

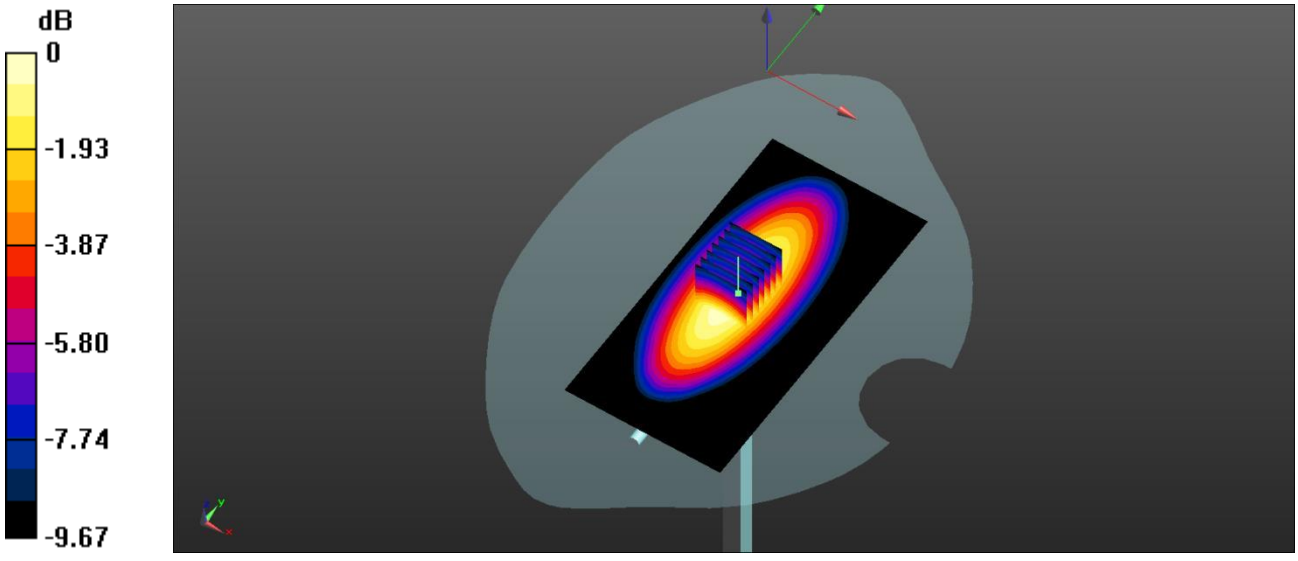
CW 750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.97 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.817 W/kg; SAR(10 g) = 0.547 W/kg

Maximum value of SAR (measured) = 0.881 W/kg



0 dB = 0.881 W/kg

System Performance Check Data (835MHz)

Date: 2024.02.29

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

Medium parameters used: f = 835 MHz; σ = 0.902 S/m; ε_r = 41.867; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

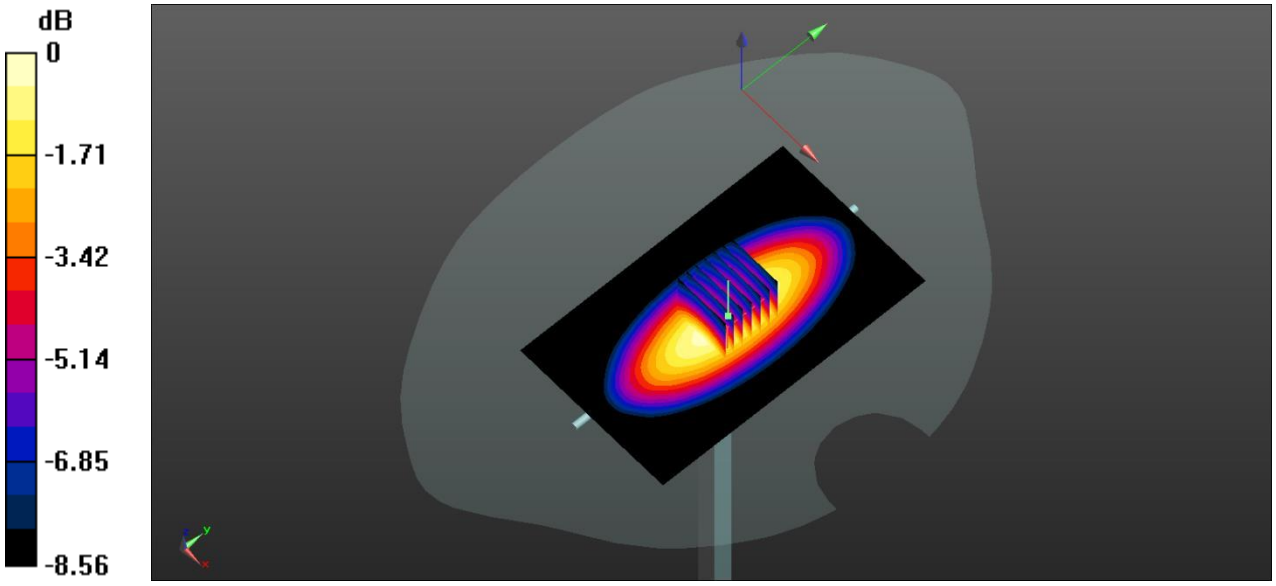
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.21 W/kg

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

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



0 dB = 0.975 W/kg

System Performance Check Data (835MHz)

Date: 2024.03.01

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

Medium parameters used: f = 835 MHz; σ = 0.885 S/m; ε_r = 41.531; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.976 W/kg

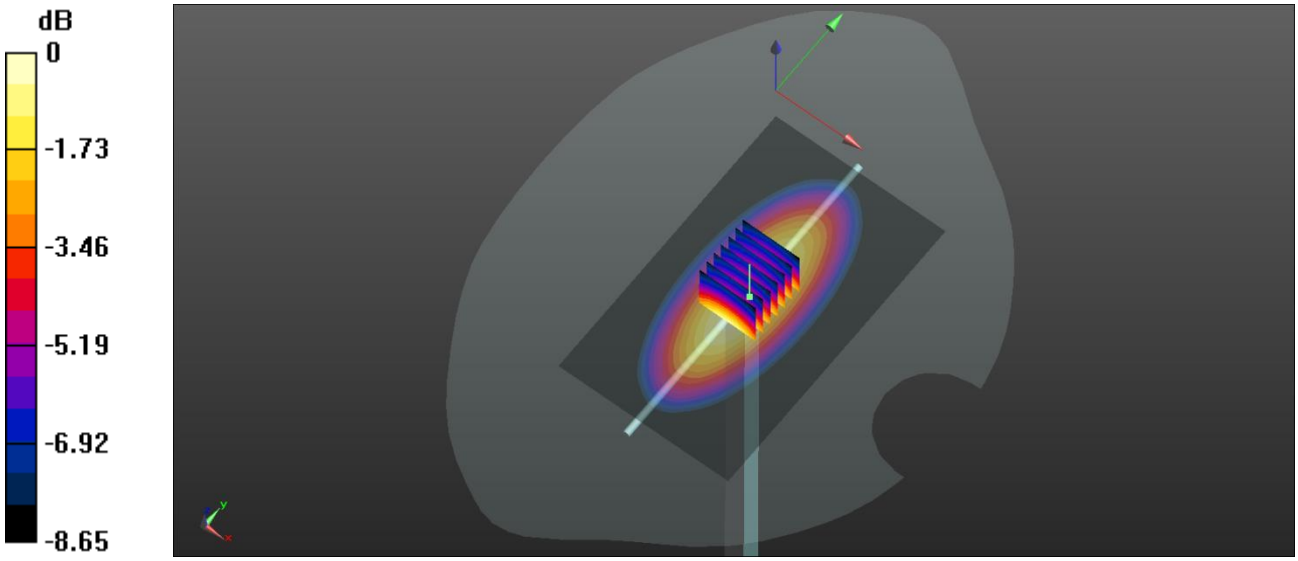
CW 835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.62 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.625 W/kg

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



0 dB = 0.975 W/kg

System Performance Check Data (1750MHz)

Date: 2024.03.02

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

Medium parameters used: f = 1750 MHz; σ = 1.376 S/m; ε_r = 40.05; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

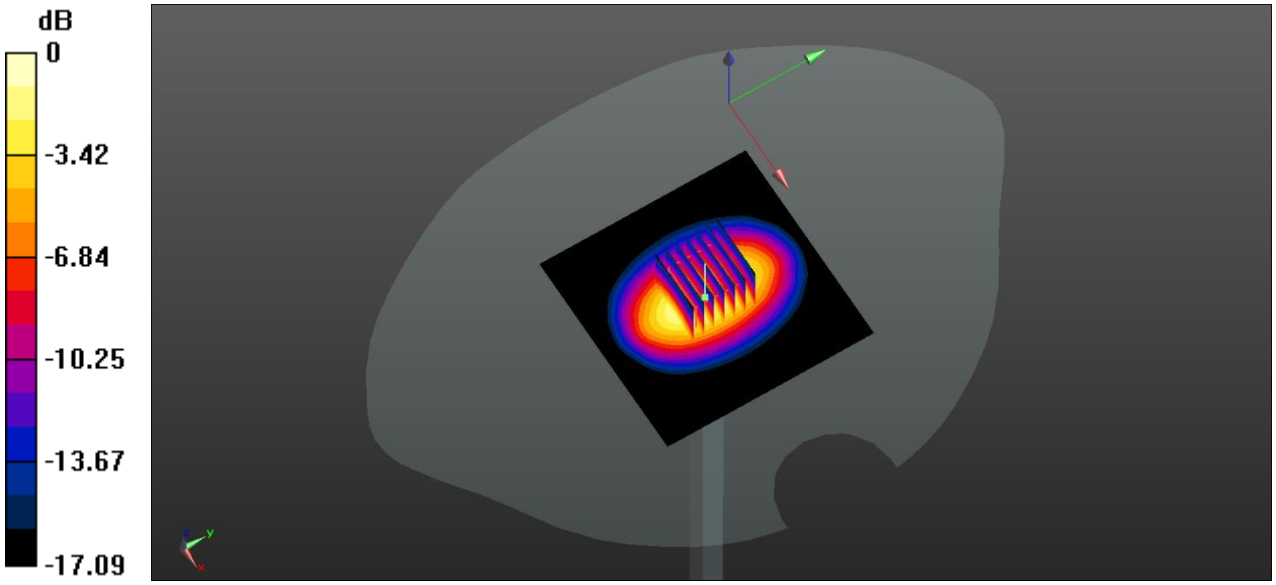
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.98 W/kg

Maximum value of SAR (measured) = 4.23 W/kg



0 dB = 4.23 W/kg

System Performance Check Data (1750MHz)

Date: 2024.03.03

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

Medium parameters used: f = 1750 MHz; σ = 1.364 S/m; ε_r = 41.223; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

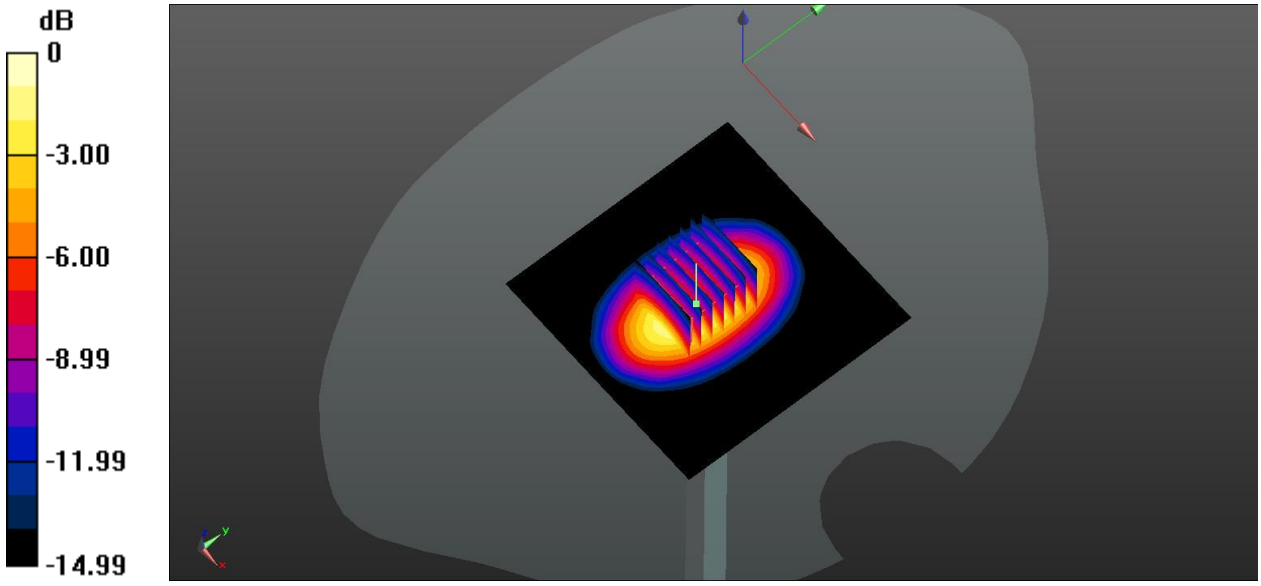
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.22 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.48 W/kg

SAR(1 g) = 3.71 W/kg; SAR(10 g) = 2.04 W/kg

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



0 dB = 4.18 W/kg

System Performance Check Data (1750MHz)

Date: 2024.03.04

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

Medium parameters used: f = 1750 MHz; σ = 1.385 S/m; ε_r = 40.22; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

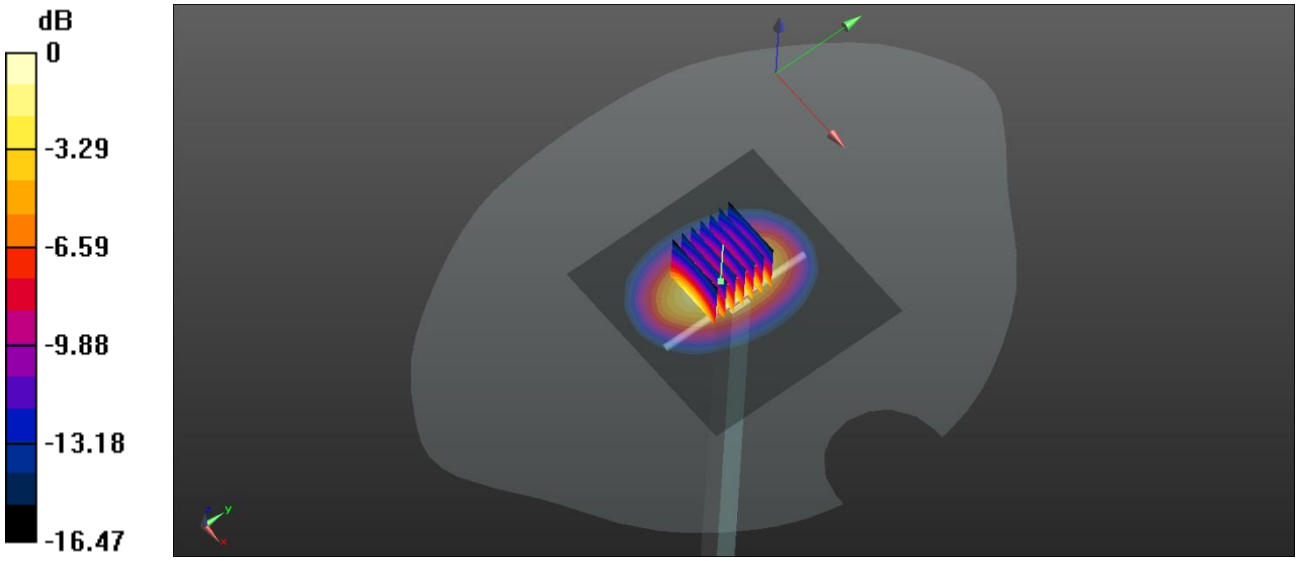
CW 1750/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.95 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 6.77 W/kg

SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.98 W/kg

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



0 dB = 4.18 W/kg

System Performance Check Data (1900MHz)

Date: 2024.03.05

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

Medium parameters used: f = 1900 MHz; σ = 1.393 S/m; ε_r = 40.025; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

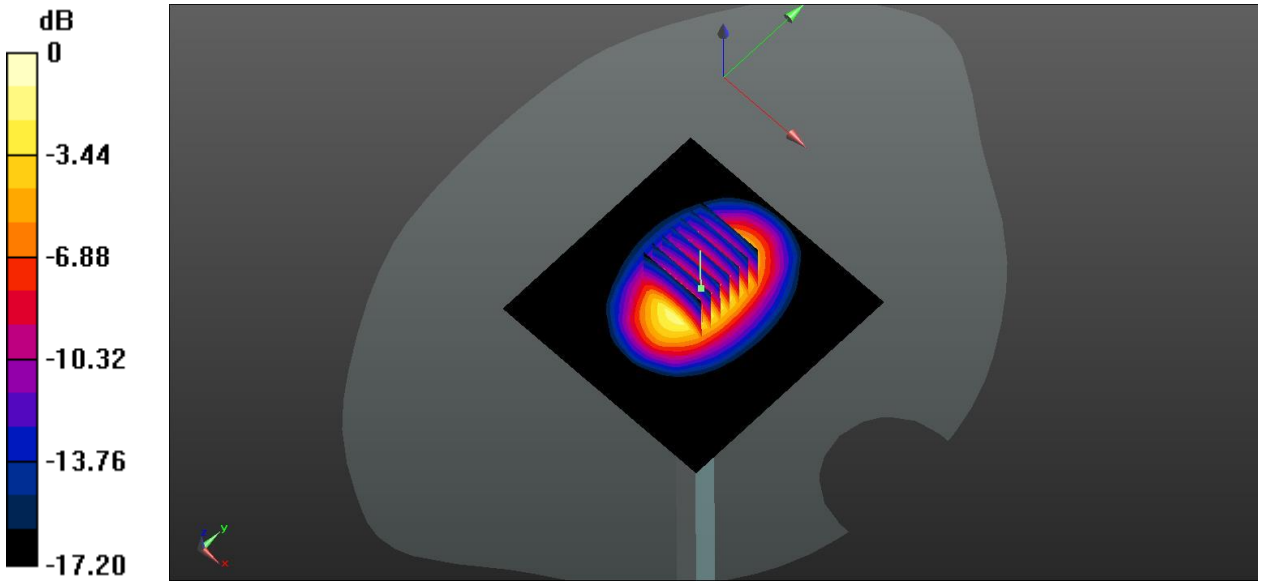
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.10 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.51 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.1 W/kg

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



0 dB = 4.54 W/kg

System Performance Check Data (1900MHz)

Date: 2024.03.06

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

Medium parameters used: f = 1900 MHz; σ = 1.382 S/m; ε_r = 39.245; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 4.35 W/kg

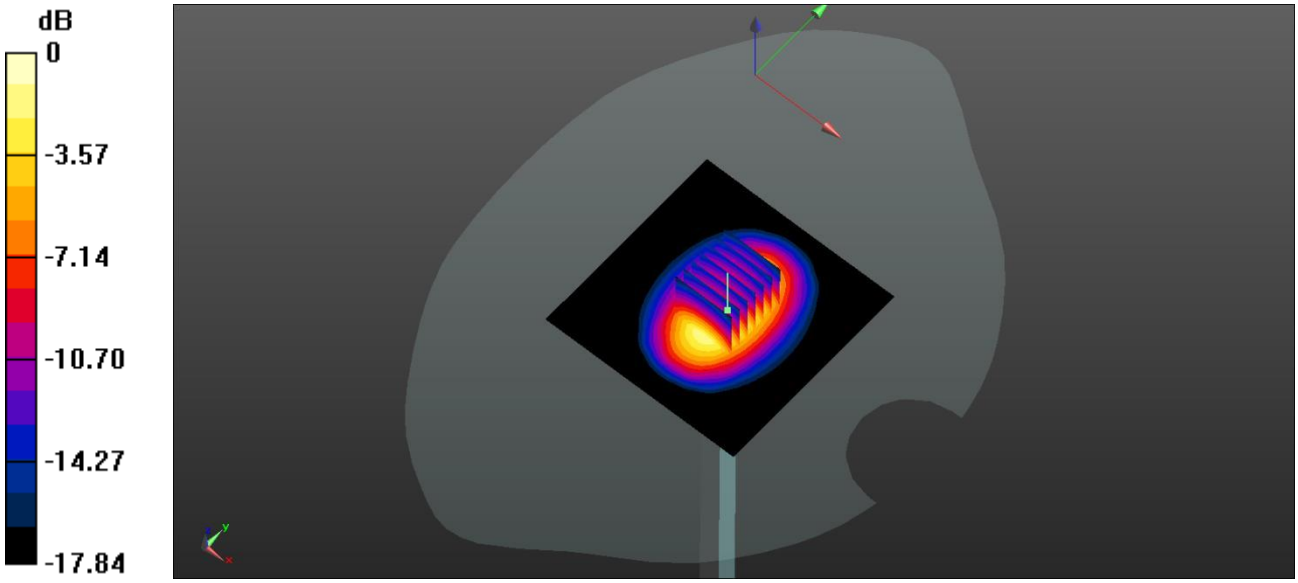
CW 1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.62 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.11 W/kg

SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.11 W/kg

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



0 dB = 4.18 W/kg

System Performance Check Data (2450MHz)

Date: 2024.03.07

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

Medium parameters used: f = 2450 MHz; σ = 1.802 S/m; ε_r = 39.531; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 5.91 W/kg

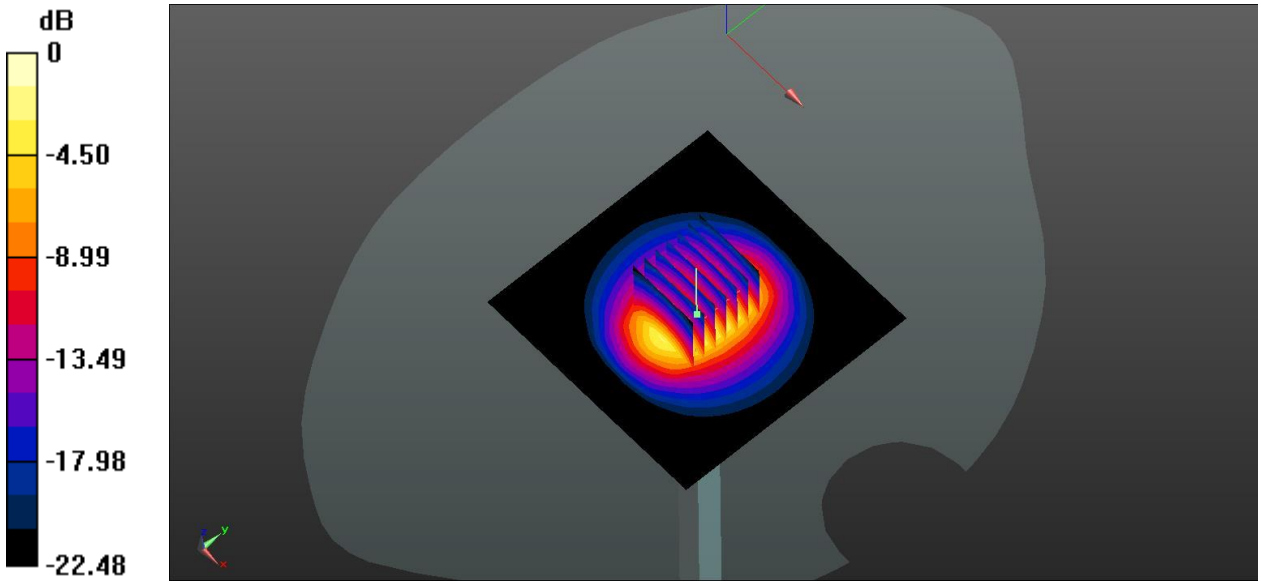
CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.65 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.3 W/kg

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



0 dB = 5.81 W/kg

System Performance Check Data (2600MHz)

Date: 2024.03.08

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

Medium parameters used (interpolated): f = 2600 MHz; σ = 1.975 S/m; ε_r = 38.924; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

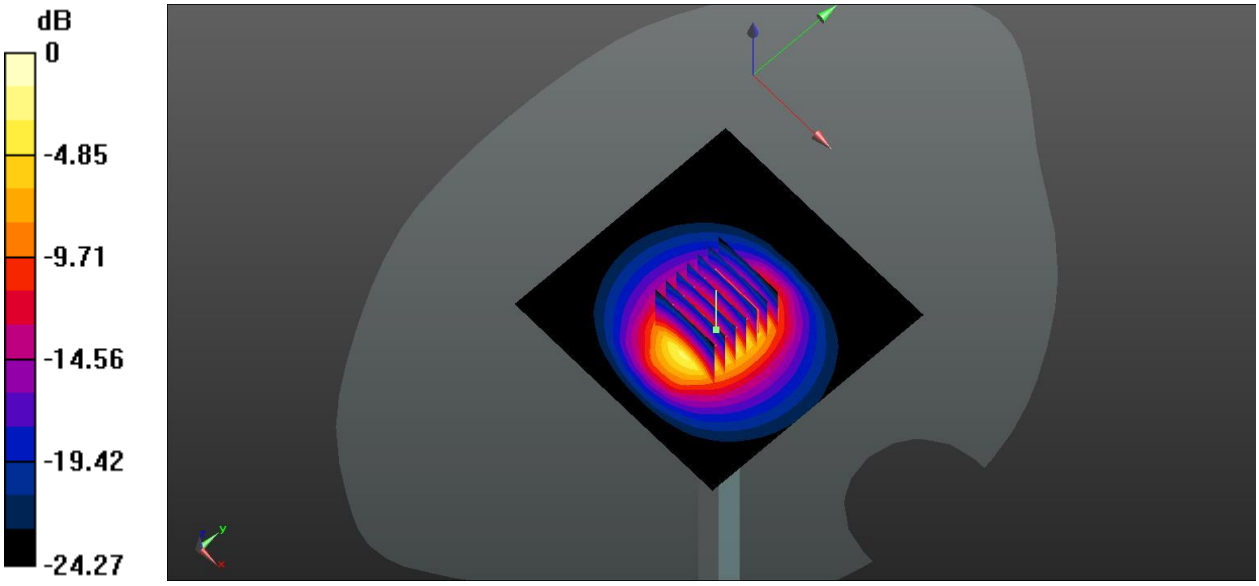
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.73 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 12.5 W/kg

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

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



0 dB = 6.37 W/kg

System Performance Check Data (2600MHz)

Date: 2024.03.09

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.968 S/m; ε_r = 38.613; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.19 W/kg

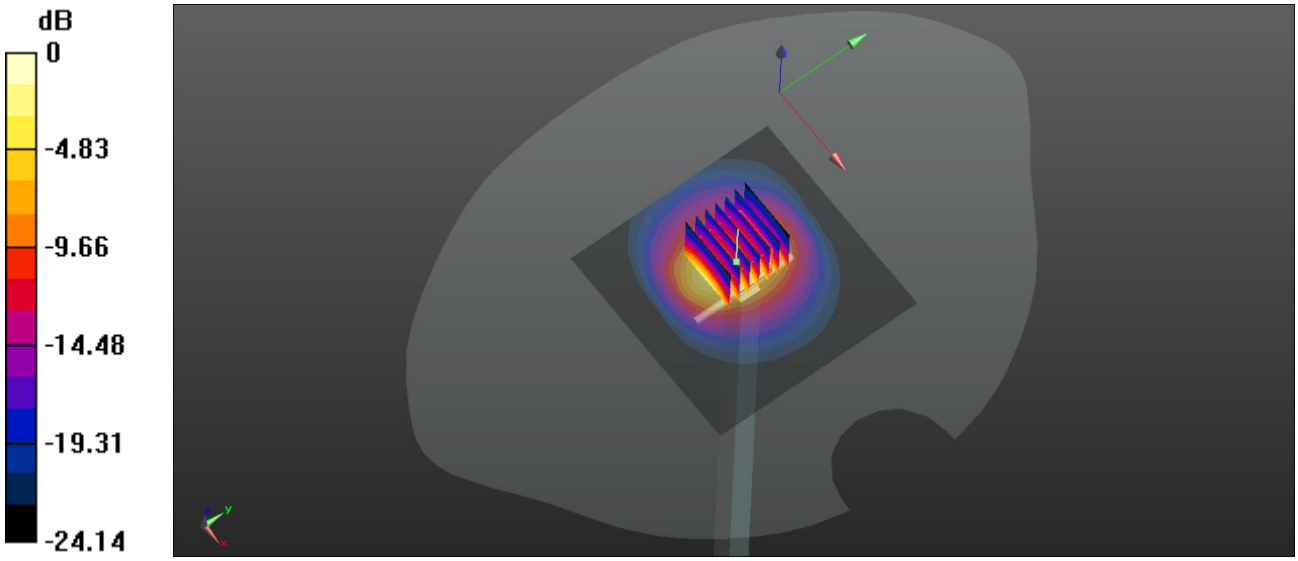
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.20 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 6.10 W/kg



0 dB = 6.10 W/kg

System Performance Check Data (2600MHz)

Date: 2024.03.10

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

Medium parameters used (extrapolated): f = 2600 MHz; σ = 1.975 S/m; ε_r = 38.545; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 6.88 W/kg

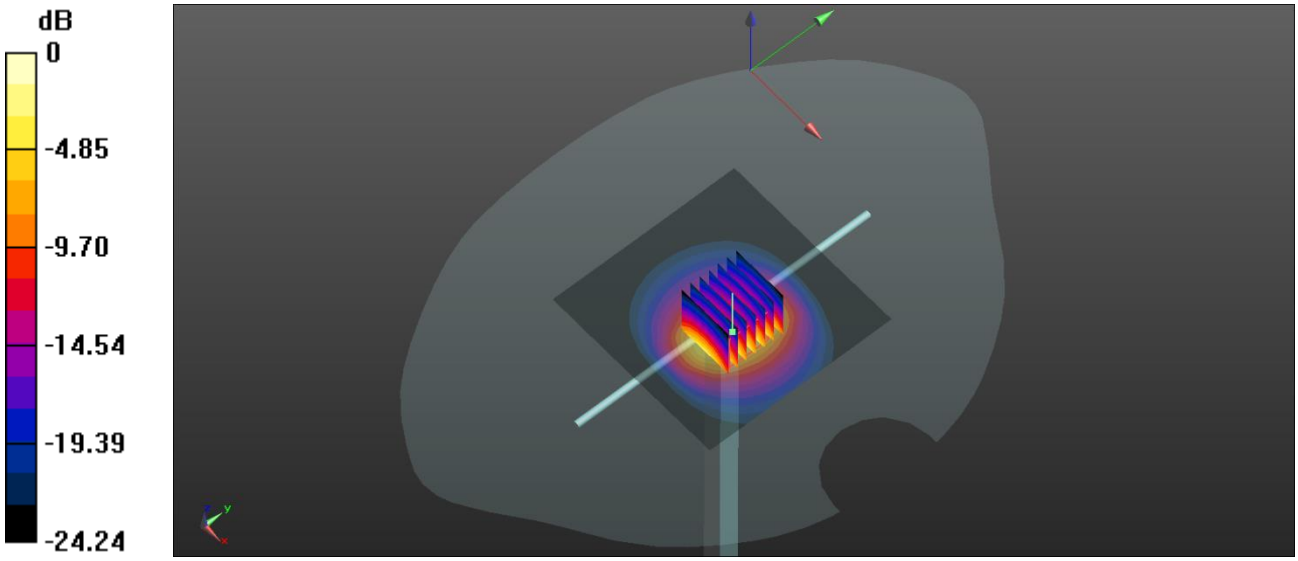
CW 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.83 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 5.91 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 6.77 W/kg



0 dB = 6.77 W/kg

System Performance Check Data (5250MHz)

Date: 2024.03.11

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

Medium parameters used: f = 5250 MHz; σ = 4.705 S/m; ε_r = 35.996; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 7.88 W/kg

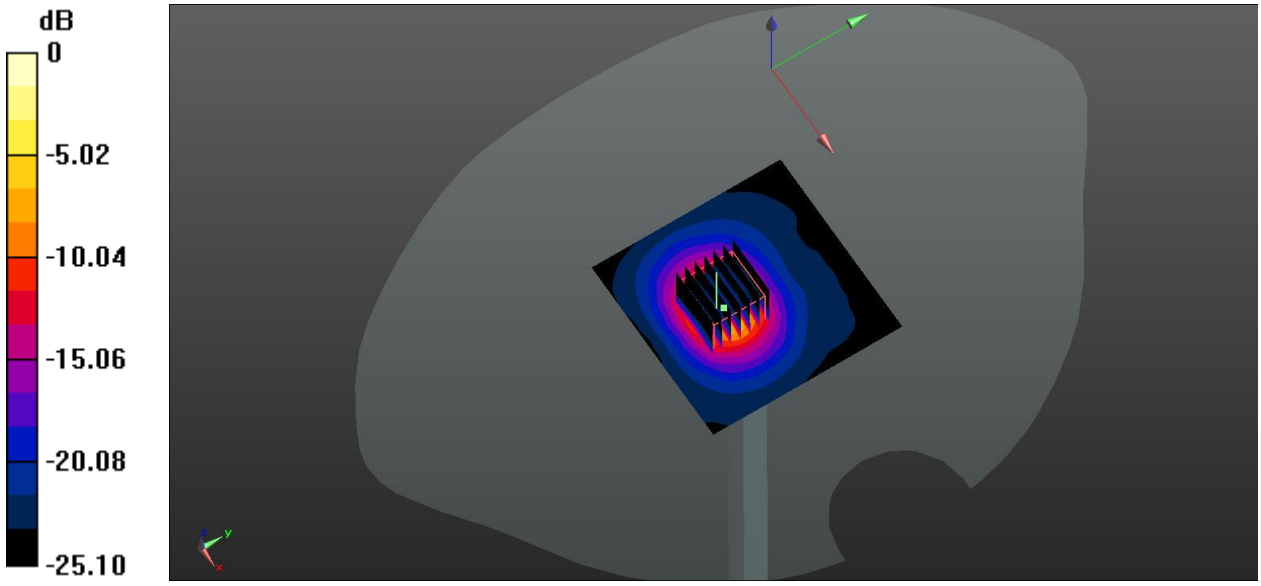
CW 5250/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 24.92 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 33.3 W/kg

SAR(1 g) = 7.36 W/kg; SAR(10 g) = 2.06 W/kg

Maximum value of SAR (measured) = 14.7 W/kg



0 dB = 14.7 W/kg

System Performance Check Data (5600MHz)

Date: 2024.03.12

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

Medium parameters used: f = 5600 MHz; σ = 5.057 S/m; ε_r = 35.122; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.99, 4.99, 4.99); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

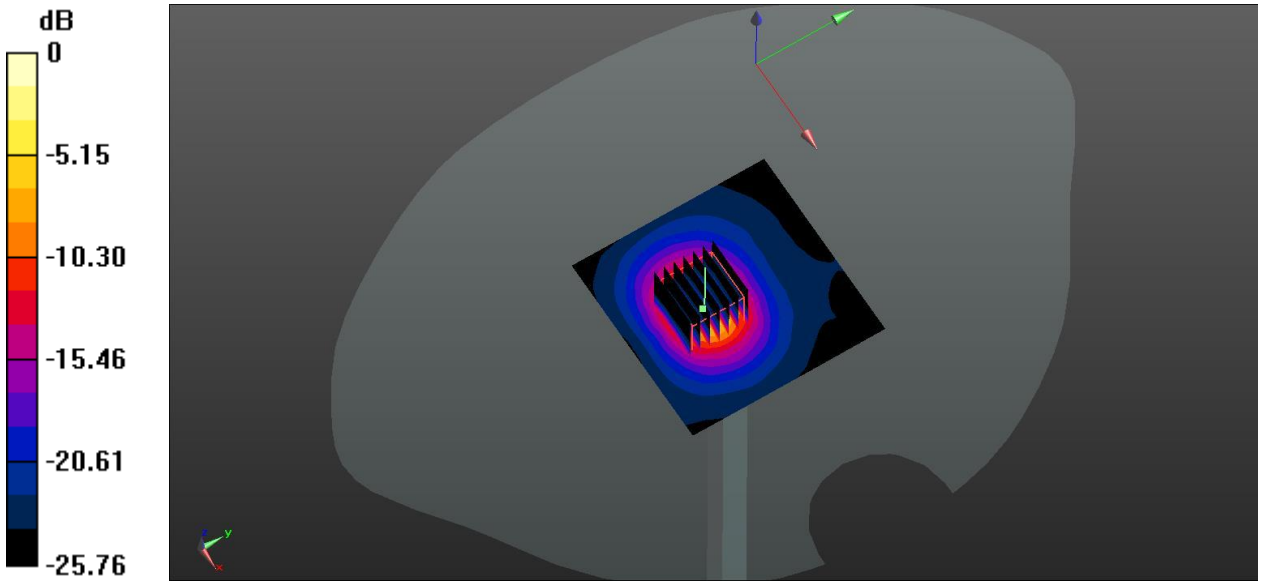
CW 5600/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 22.84 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 38.21 W/kg

SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.4 W/kg

Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.2 W/kg

System Performance Check Data (5750MHz)

Date: 2024.03.13

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

Medium parameters used: f = 5750 MHz; σ = 5.178 S/m; ε_r = 35.409; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 8.92 W/kg

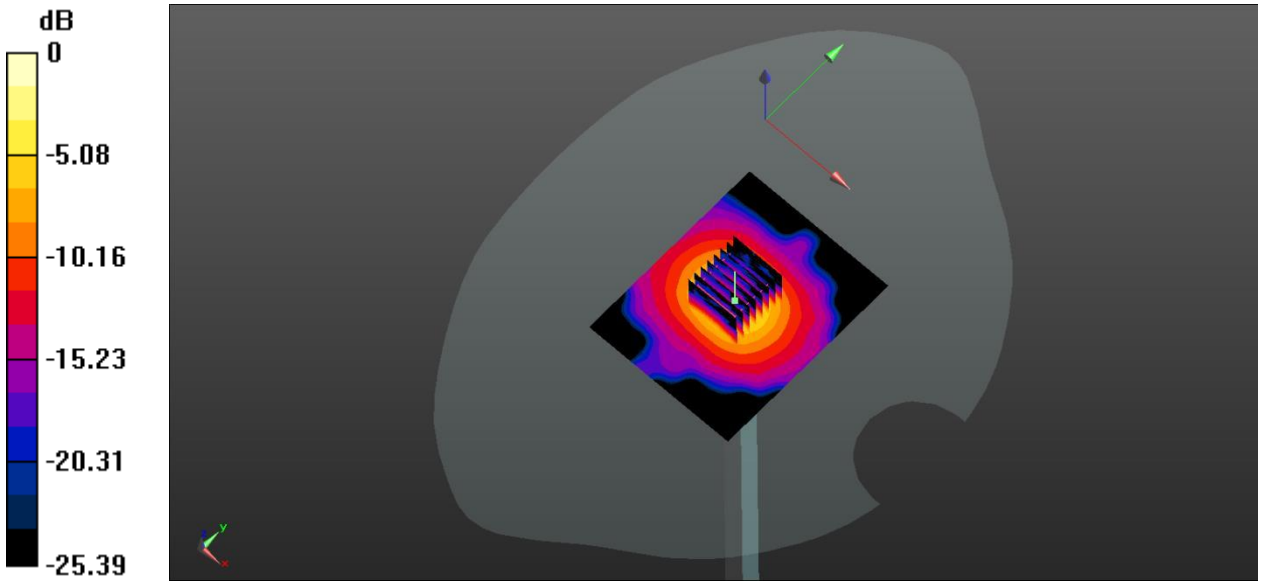
CW 5750/Zoom Scan (7x7x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.19 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 36.7 W/kg

SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.33 W/kg

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



0 dB = 16.1 W/kg

ANNEX C TEST DATA

Meas.1 Right Head with Cheek on Middle Channel in GPRS850 3Slots mode with Antenna 1

Date: 2024.02.29

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.904 S/m; ε_r = 41.812; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch128/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.602 W/kg

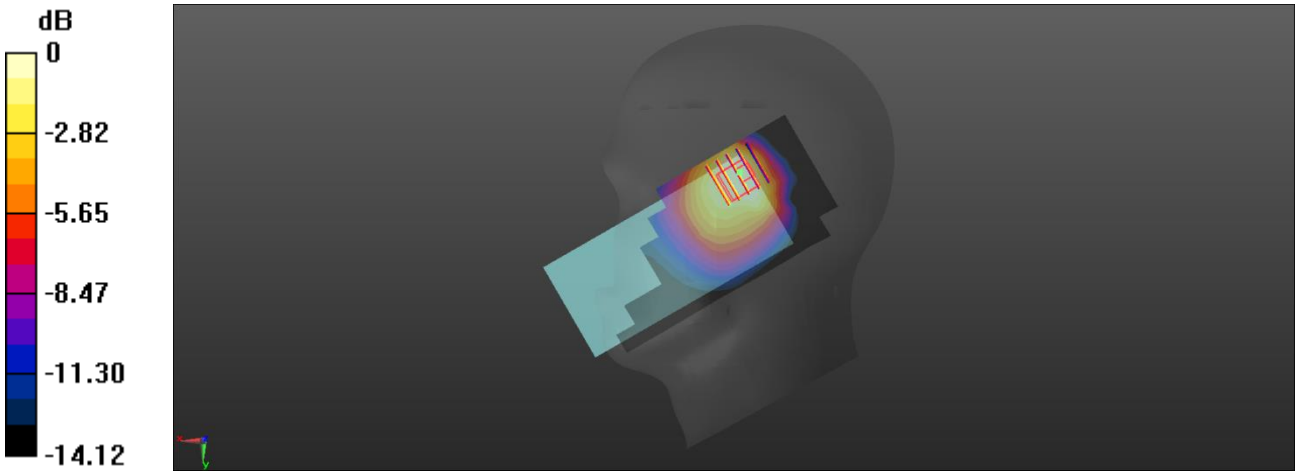
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.29 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.861 W/kg

SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.310 W/kg

Maximum value of SAR (measured) = 0.480 W/kg



0 dB = 0.480 W/kg

Meas.2 Body Plane with Back Side 15mm on Middle Channel in GPRS850 3Slots mode with Antenna 1

Date: 2024.02.29

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.904 S/m; ε_r = 41.812; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.142 W/kg

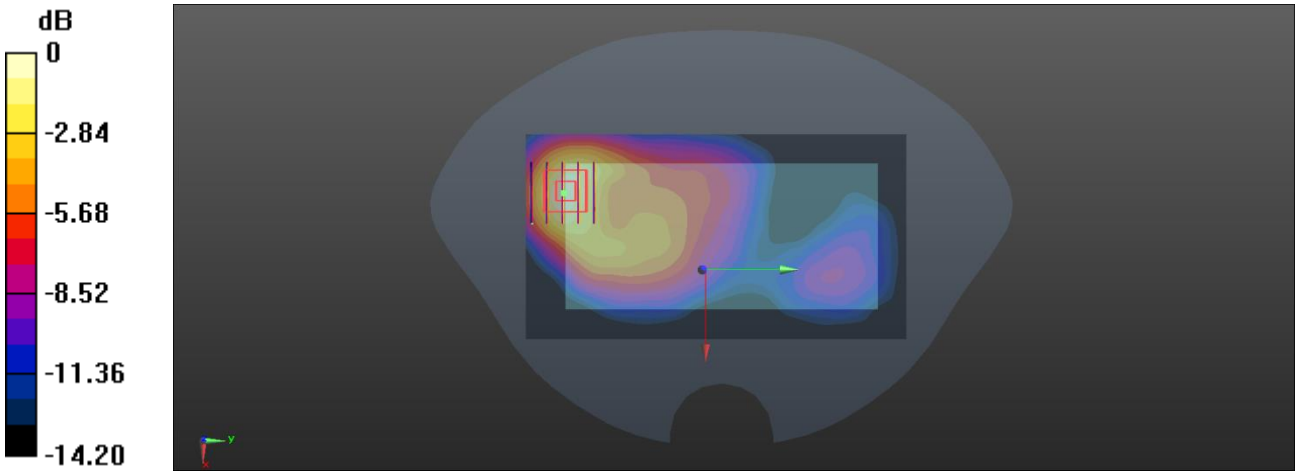
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.934 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.210 W/kg

SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.076 W/kg

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



0 dB = 0.145 W/kg

Meas.3 Body Plane with Bottom Edge 10mm on Middle Channel in GPRS850 3Slots mode with Antenna 0

Date: 2024.02.29

Communication System Band: GPRS850; Frequency: 836.6 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.904 S/m; ε_r = 41.812; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch190/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.477 W/kg

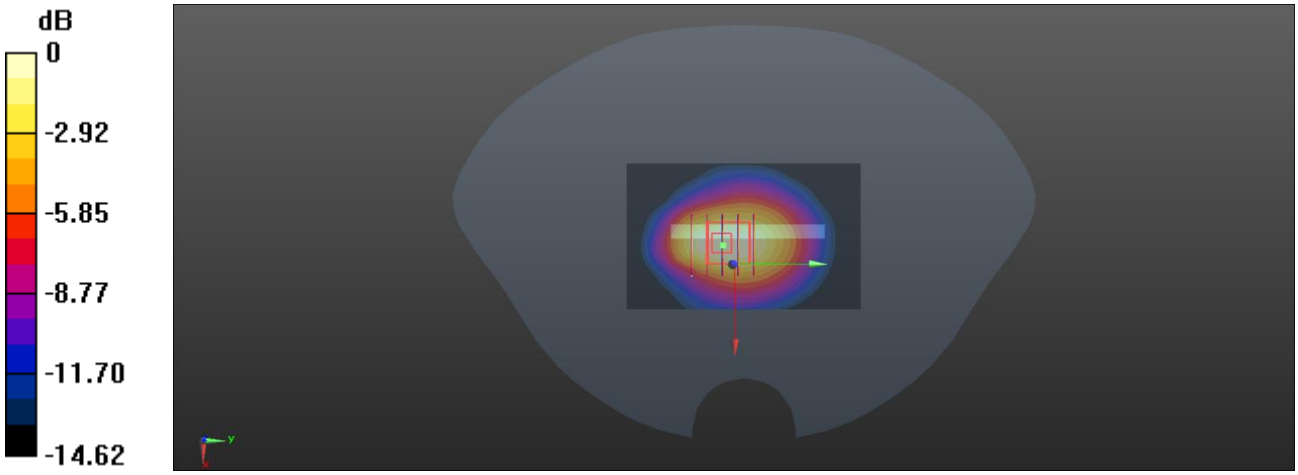
Ch190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.14 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.703 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.227 W/kg

Maximum value of SAR (measured) = 0.438 W/kg



0 dB = 0.438 W/kg

Meas.4 Right Head with Tilted on High Channel GPRS1900 3Slots mode with Antenna 1

Date: 2024.03.05

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

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.397 S/m; ε_r = 39.84; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.889 W/kg

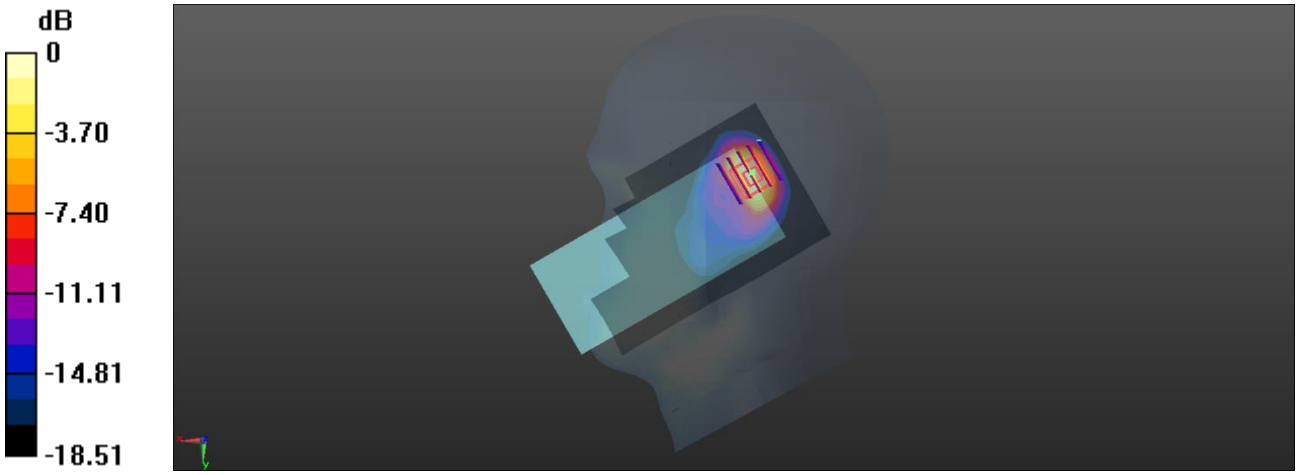
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.63 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.742 W/kg; SAR(10 g) = 0.339 W/kg

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



0 dB = 0.854 W/kg

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

Date: 2024.03.05

Communication System Band: GPRS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.27; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.175 W/kg

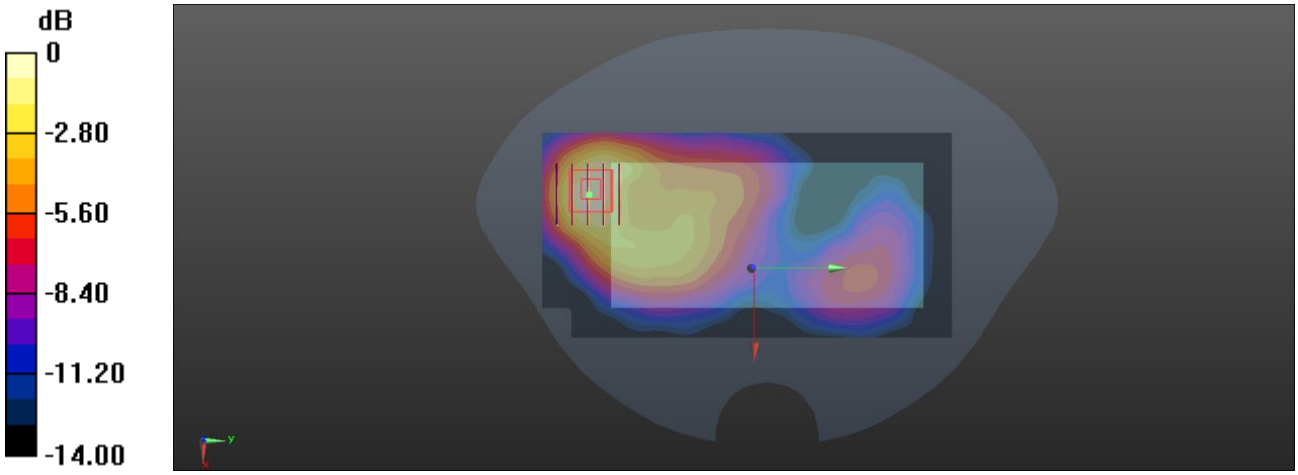
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.160 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.097 W/kg

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



0 dB = 0.178 W/kg

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

Date: 2024.03.05

Communication System Band: GPRS1900; Frequency: 1880 MHz;Duty Cycle: 1:2.77

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.27; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.656 W/kg

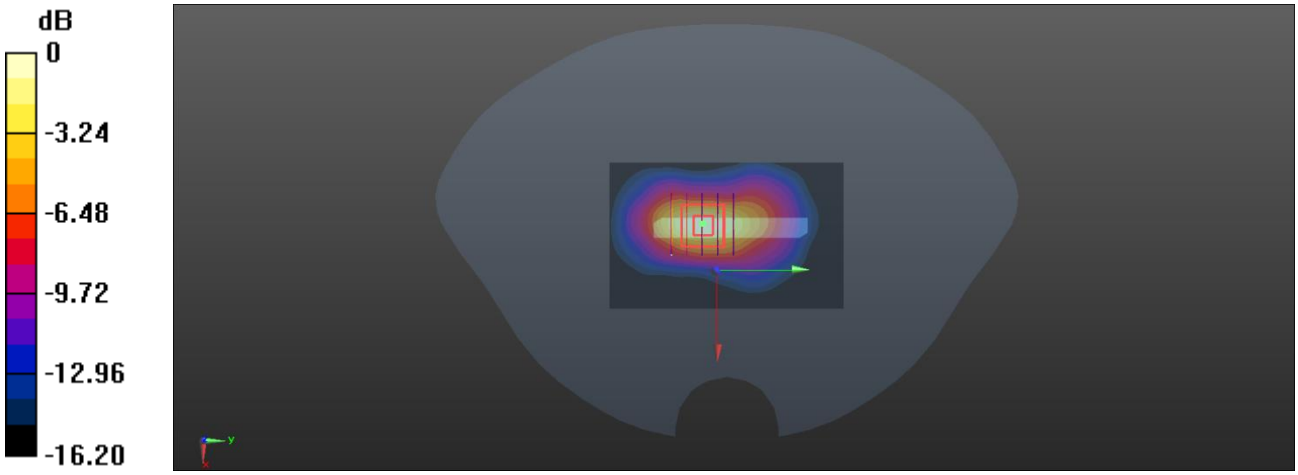
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.31 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.643 W/kg



0 dB = 0.643 W/kg

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

Date: 2024.03.05

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

Medium parameters used (interpolated): f = 1909.8 MHz; σ = 1.397 S/m; ε_r = 39.84; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.47 W/kg

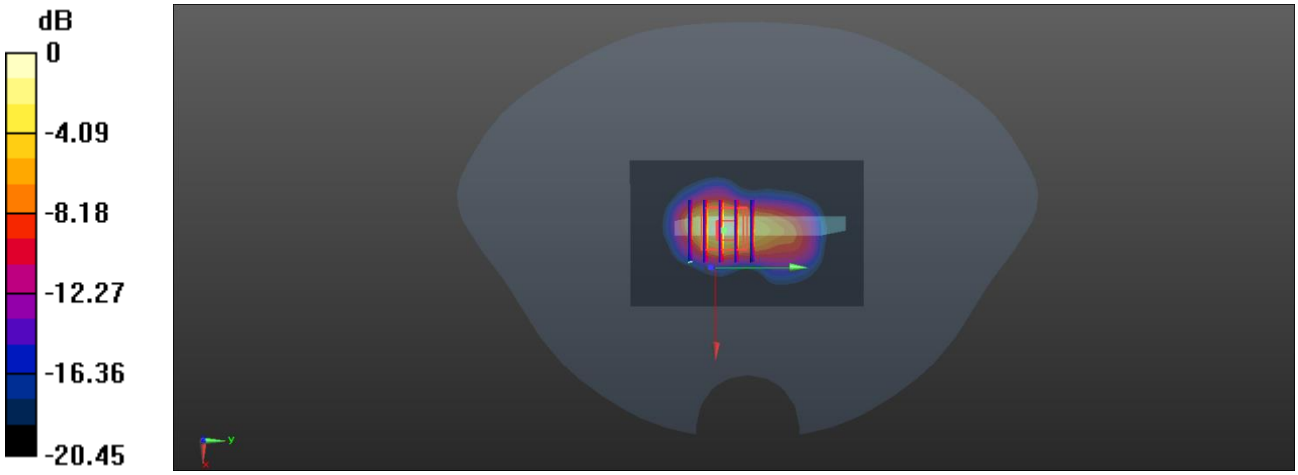
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.51 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.51 W/kg

SAR(1 g) = 3.13 W/kg; SAR(10 g) = 1.29 W/kg

Maximum value of SAR (measured) = 4.00 W/kg



0 dB = 4.00 W/kg

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

Date: 2024.03.05

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.27; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.850 W/kg

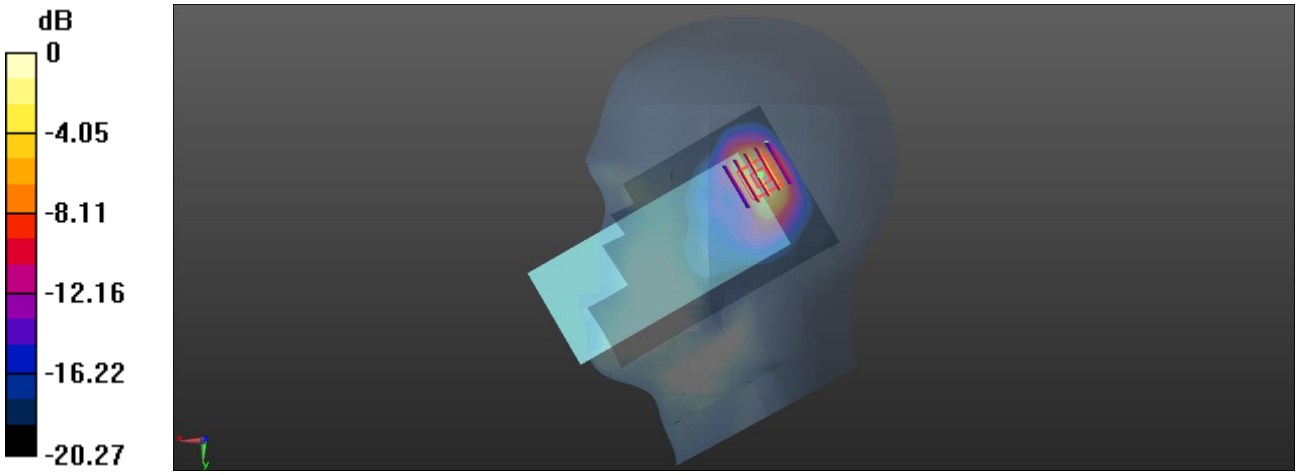
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.02 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.369 W/kg

Maximum value of SAR (measured) = 0.957 W/kg



0 dB = 0.957 W/kg

Meas.9 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band2 mode with Antenna 0

Date: 2024.03.05

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.383 S/m; ε_r = 40.27; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.297 W/kg

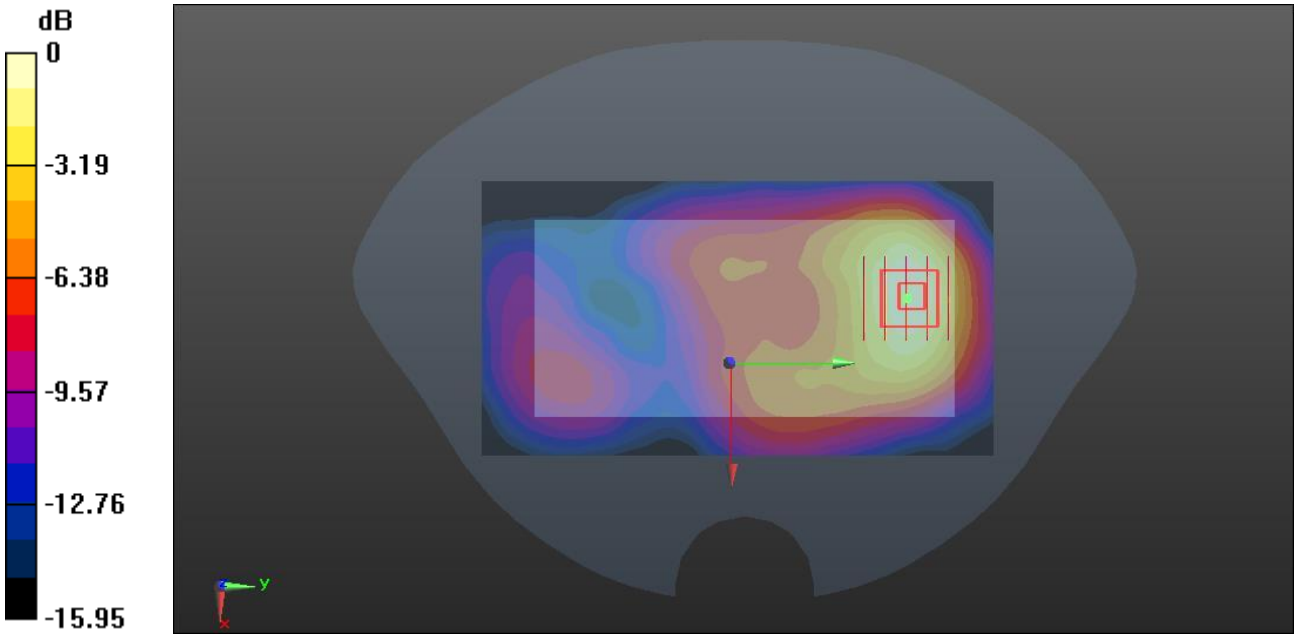
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.716 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 0.294 W/kg



0 dB = 0.294 W/kg

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

Date: 2024.03.05

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

Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.396 S/m; ε_r = 39.898; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.17 W/kg

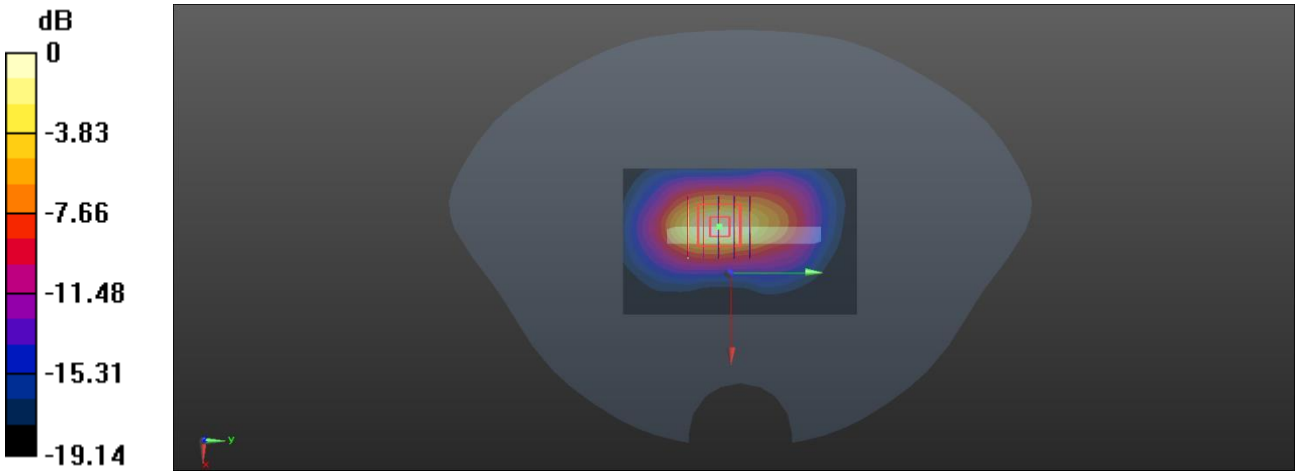
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.31 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.494 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg

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

Date: 2024.03.05

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

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.368 S/m; ε_r = 40.625; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.8℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9262/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.46 W/kg

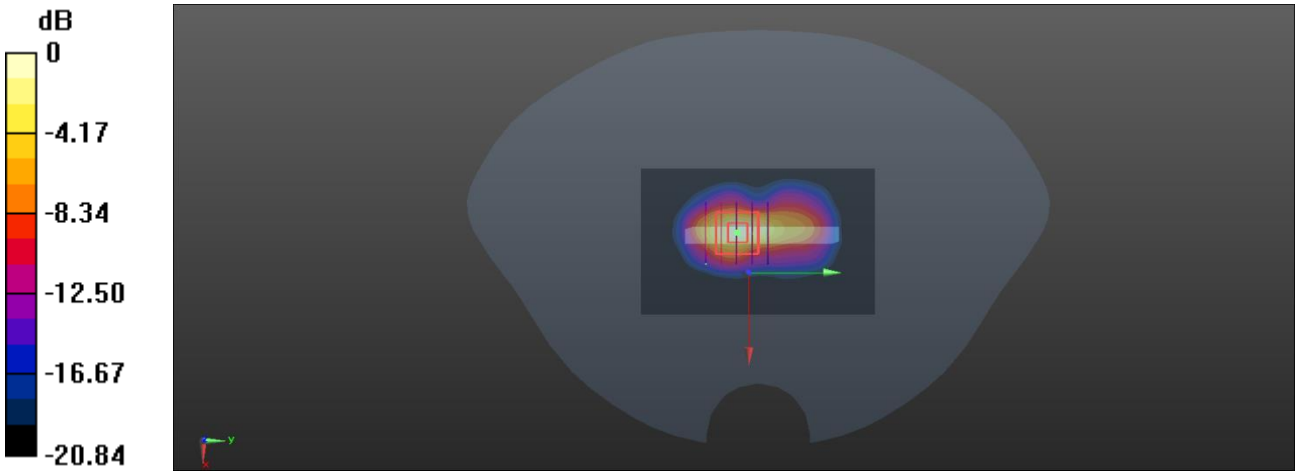
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.22 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 4.62 W/kg; SAR(10 g) = 1.86 W/kg

Maximum value of SAR (measured) = 6.12 W/kg



0 dB = 6.12 W/kg

Meas.12 Right Head with Tilted on High Channel WCDMA Band4 mode with Antenna 1

Date: 2024.03.02

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

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.379 S/m; ε_r = 40.012; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.836 W/kg

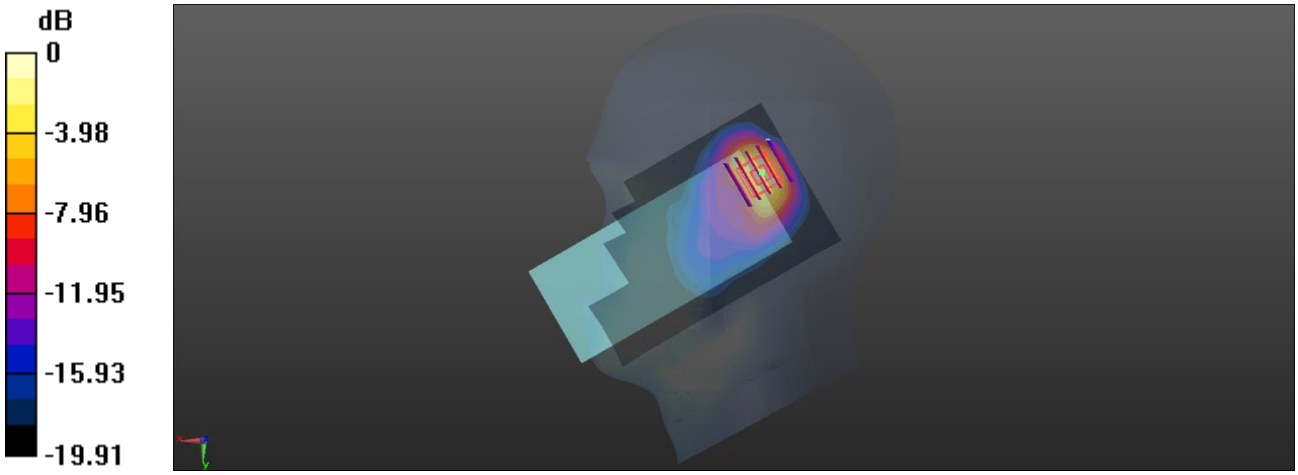
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.62 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.756 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.13 Body Plane with Back Side 15mm on Low Channel in WCDMA Band4 mode with Antenna 0

Date: 2024.03.02

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

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.338 S/m; ε_r = 40.59; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.148 W/kg

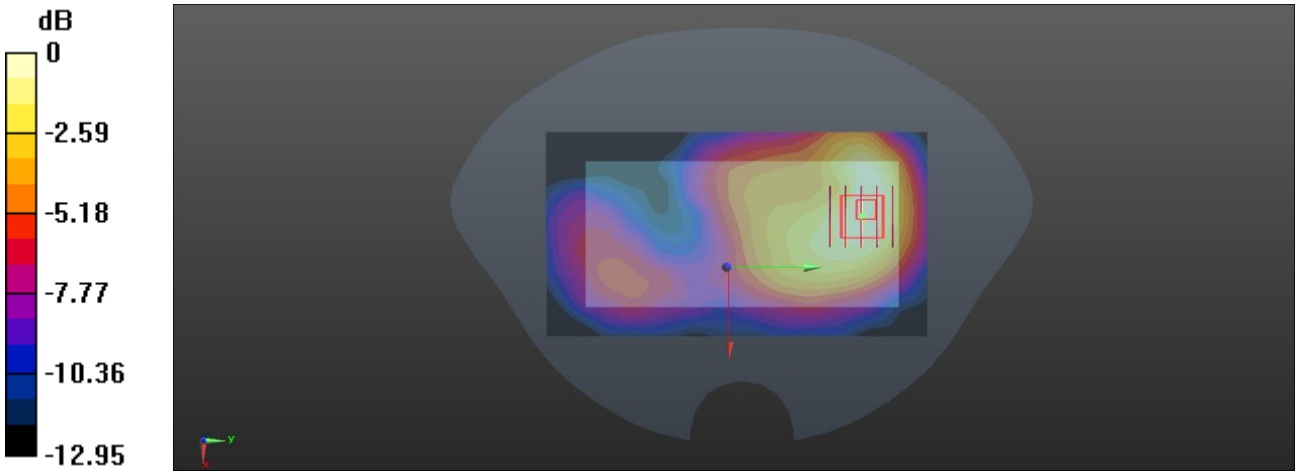
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.917 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.089 W/kg

Maximum value of SAR (measured) = 0.146 W/kg



0 dB = 0.146 W/kg

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

Date: 2024.03.02

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

Medium parameters used (interpolated): f = 1712.4 MHz; σ = 1.338 S/m; ε_r = 40.59; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1312/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.726 W/kg

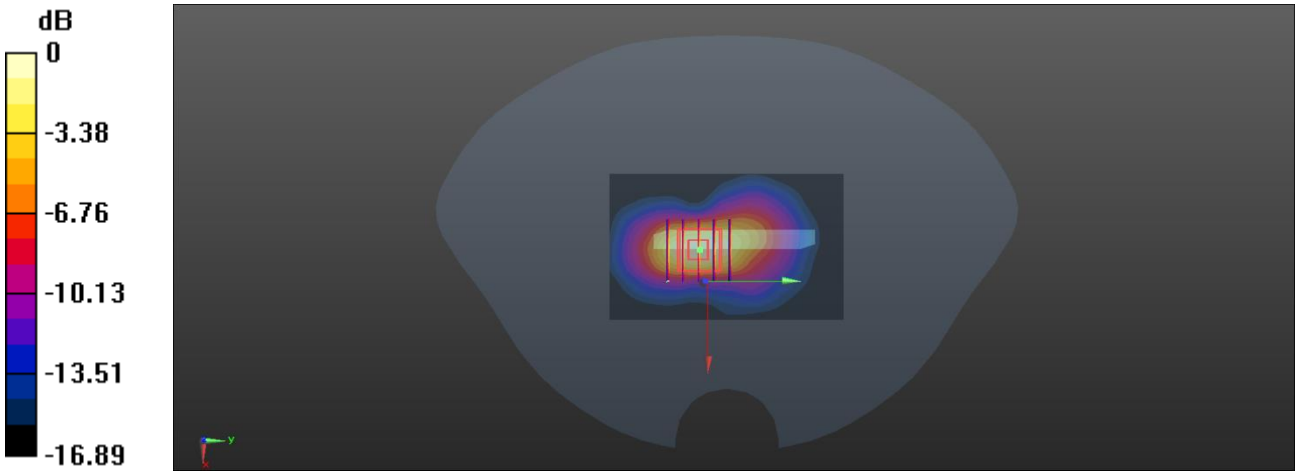
Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.71 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 0.673 W/kg



0 dB = 0.673 W/kg

Meas.15 Body Plane with Top Edge 0mm on High Channel in WCDMA Band4 mode with Antenna 1

Date: 2024.03.02

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

Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.379 S/m; ε_r = 40.012; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.62 W/kg

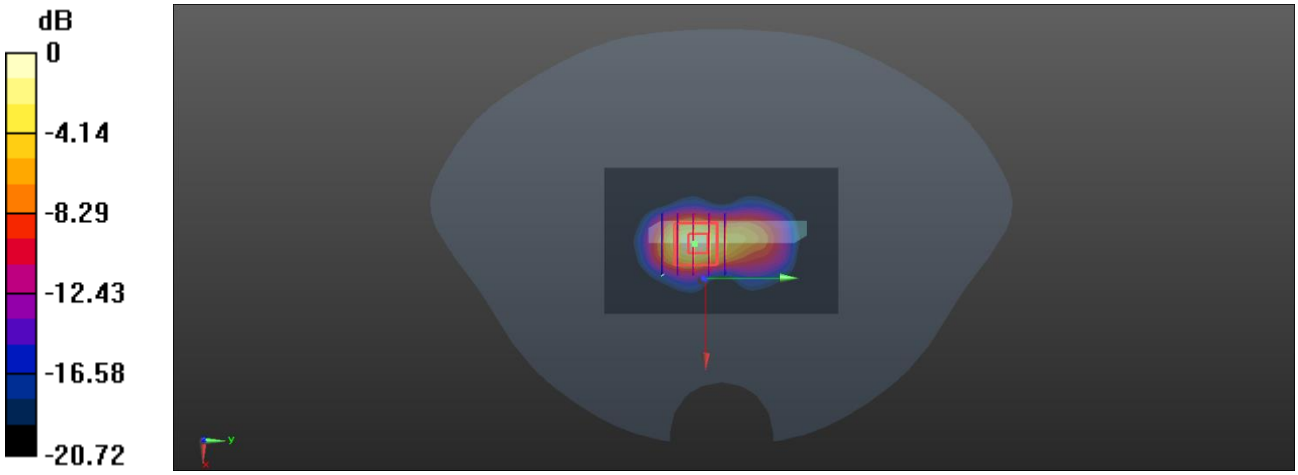
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.24 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 9.68 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 1.59 W/kg

Maximum value of SAR (measured) = 5.09 W/kg



0 dB = 5.09 W/kg

Meas.16 Right Head with Cheek on Middle Channel in WCDMA Band5 mode with Antenna 1

Date: 2024.02.29

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.904 S/m; ε_r = 41.812; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.3℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.722 W/kg

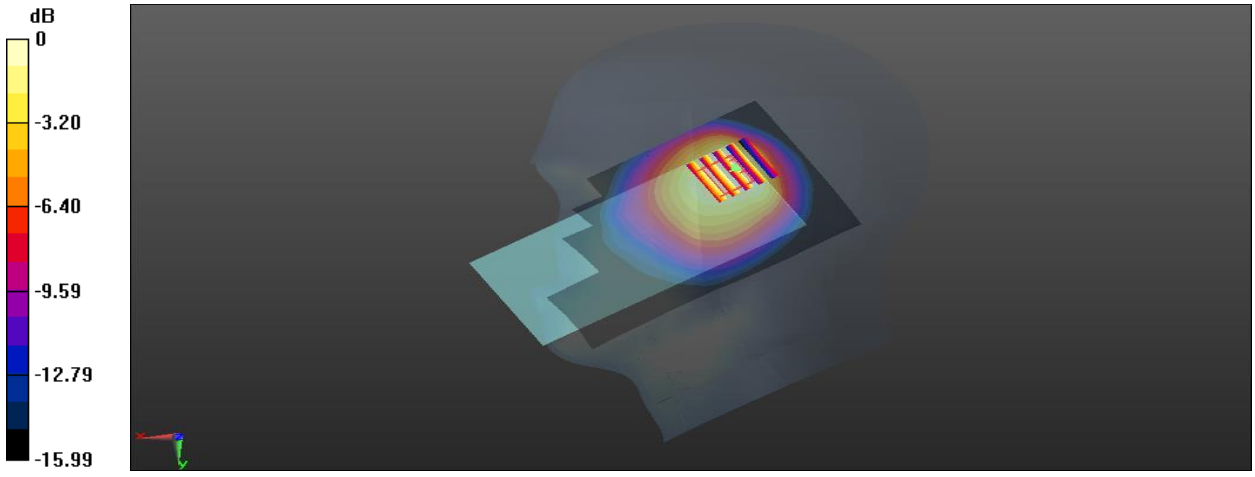
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.00 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.539 W/kg; SAR(10 g) = 0.356 W/kg

Maximum value of SAR (measured) = 0.562 W/kg



0 dB = 0.562 W/kg

Meas.17 Body Plane with Back Side 15mm on Middle Channel in WCDMA Band5 mode with Antenna 0

Date: 2024.02.29

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.904 S/m; ε_r = 41.812; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.207 W/kg

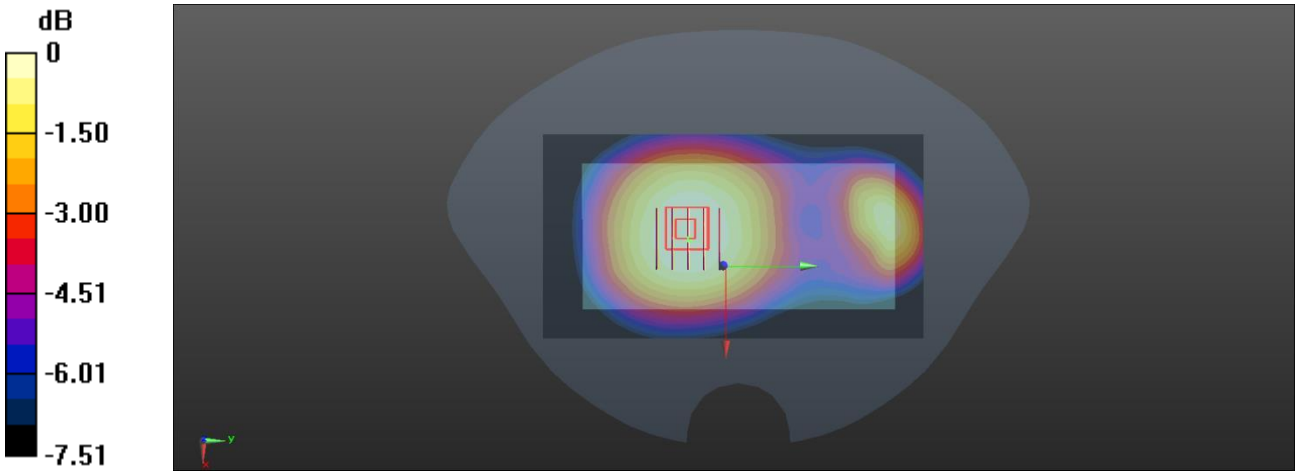
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.27 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.150 W/kg

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg

Meas.18 Body Plane with Back Side 10mm on Middle Channel in WCDMA B5 mode with Antenna 0

Date: 2024.02.29

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

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.904 S/m; ε_r = 41.812; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.395 W/kg

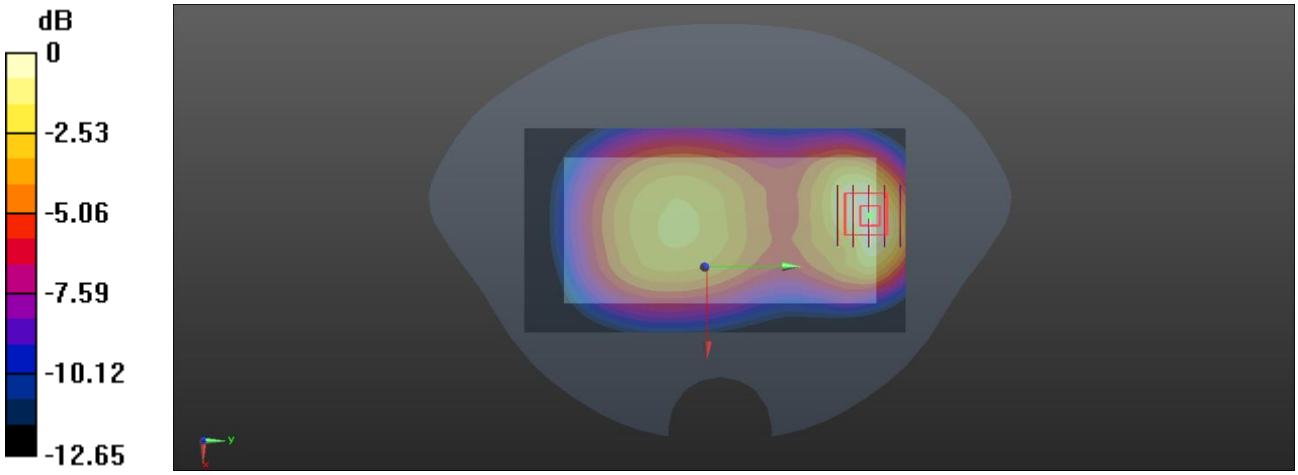
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.87 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.220 W/kg

Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.389 W/kg

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

Date: 2024.03.06

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

Medium parameters used: f = 1900 MHz; σ = 1.382 S/m; ε_r = 39.245; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.937 W/kg

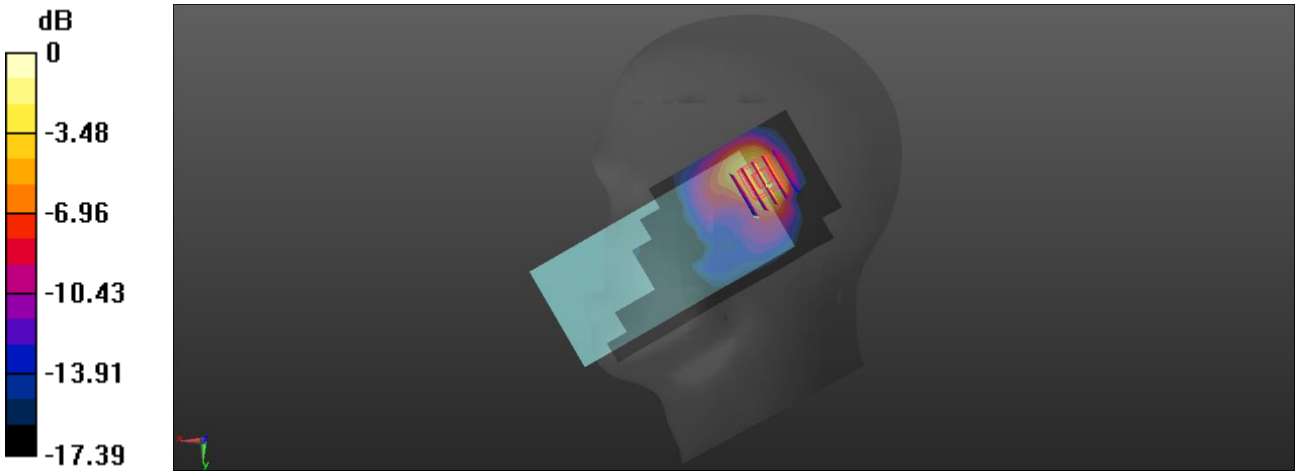
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.75 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.441 W/kg

Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg

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

Date: 2024.03.06

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

Medium parameters used: f = 1900 MHz; σ = 1.382 S/m; ε_r = 39.245; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.596 W/kg

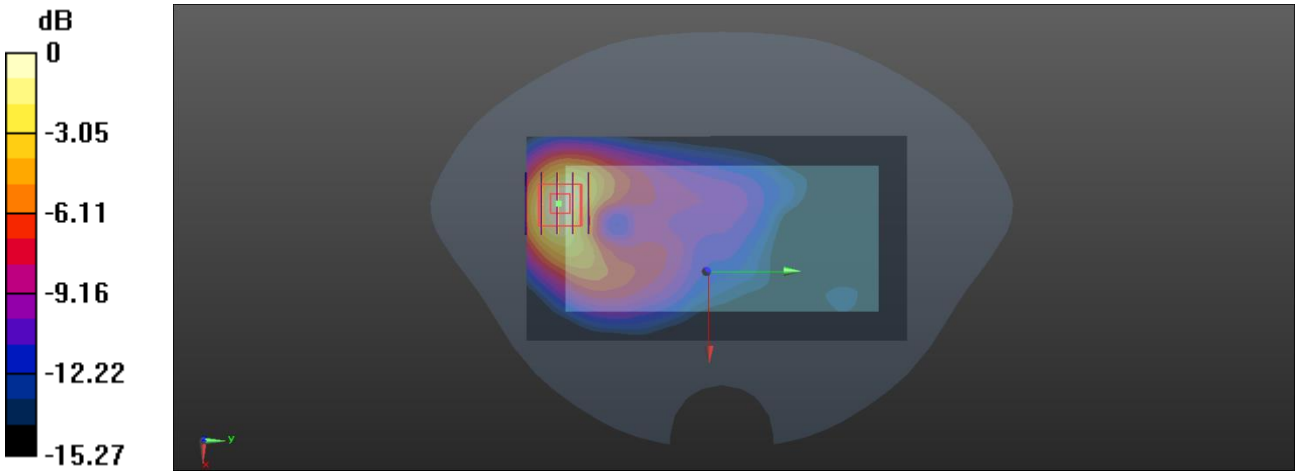
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.386 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.896 W/kg

SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 0.606 W/kg



0 dB = 0.606 W/kg

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

Date: 2024.03.06

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

Medium parameters used: f = 1900 MHz; σ = 1.382 S/m; ε_r = 39.245; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch19100/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

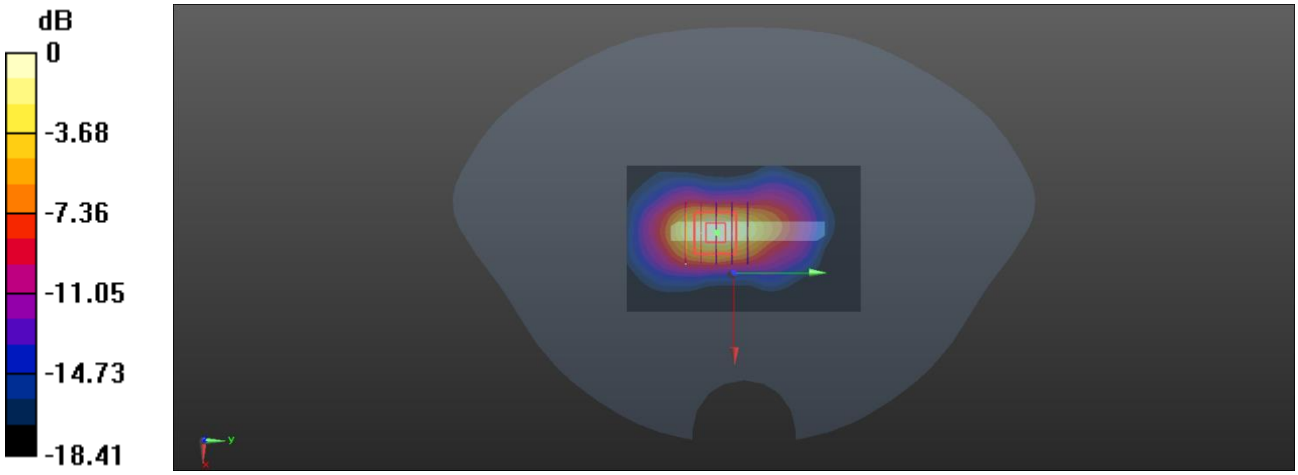
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.09 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.462 W/kg

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



0 dB = 1.08 W/kg

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

Date: 2024.03.06

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

Medium parameters used (interpolated): f = 1880 MHz; σ = 1.375 S/m; ε_r = 39.446; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.9℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.56, 8.56, 8.56); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.47 W/kg

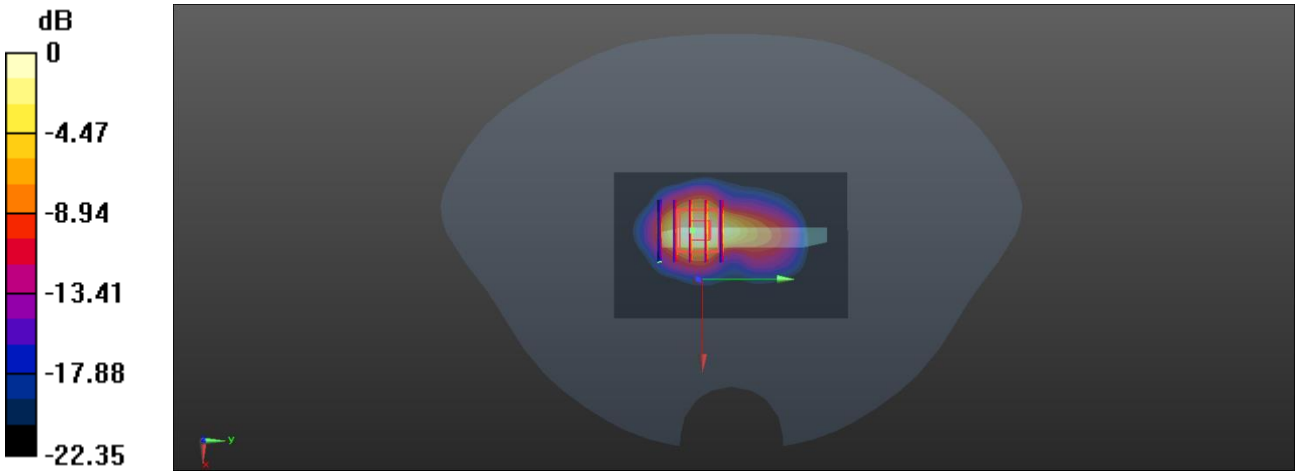
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.62 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(1 g) = 5.79 W/kg; SAR(10 g) = 2.42 W/kg

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



0 dB = 6.76 W/kg

Meas.23 Right Head with Cheek on Middle Channel in LTE B4 mode with Antenna 1

Date: 2024.03.03

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.348 S/m; ε_r = 41.641; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

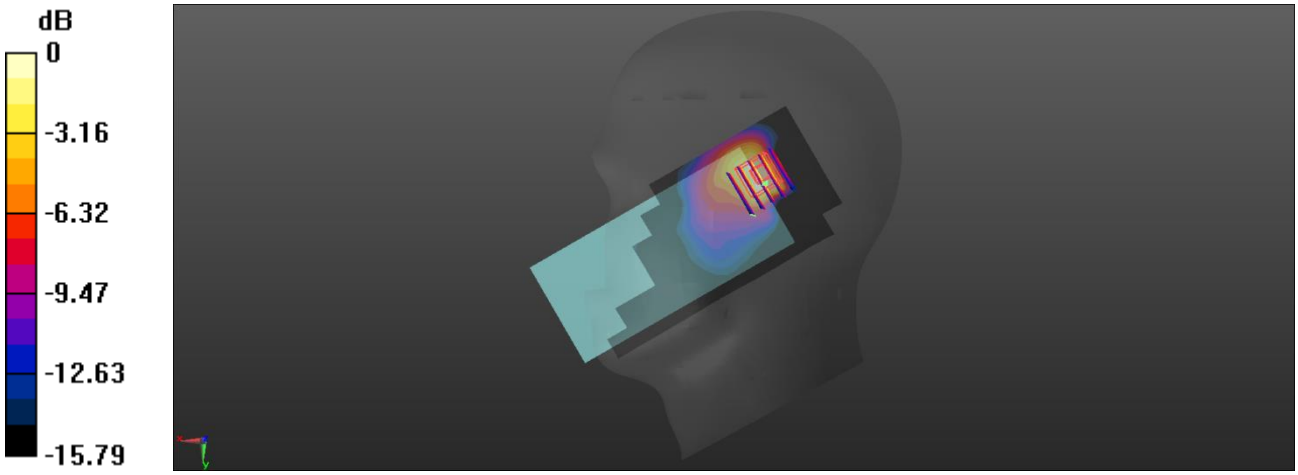
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.61 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.308 W/kg

Maximum value of SAR (measured) = 0.729 W/kg



0 dB = 0.729 W/kg

Meas.24 Body Plane with Back Side 15mm on Middle Channel in LTE Band4 mode with Antenna 0

Date: 2024.03.03

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.348 S/m; ε_r = 41.641; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.137 W/kg

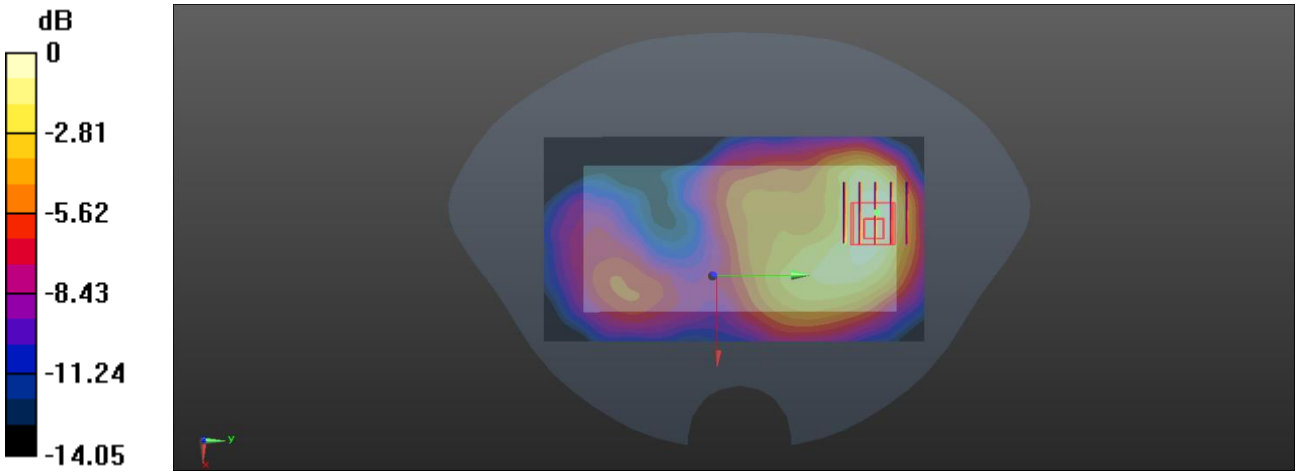
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.443 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.081 W/kg

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



0 dB = 0.140 W/kg

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

Date: 2024.03.03

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.348 S/m; ε_r = 41.641; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.756 W/kg

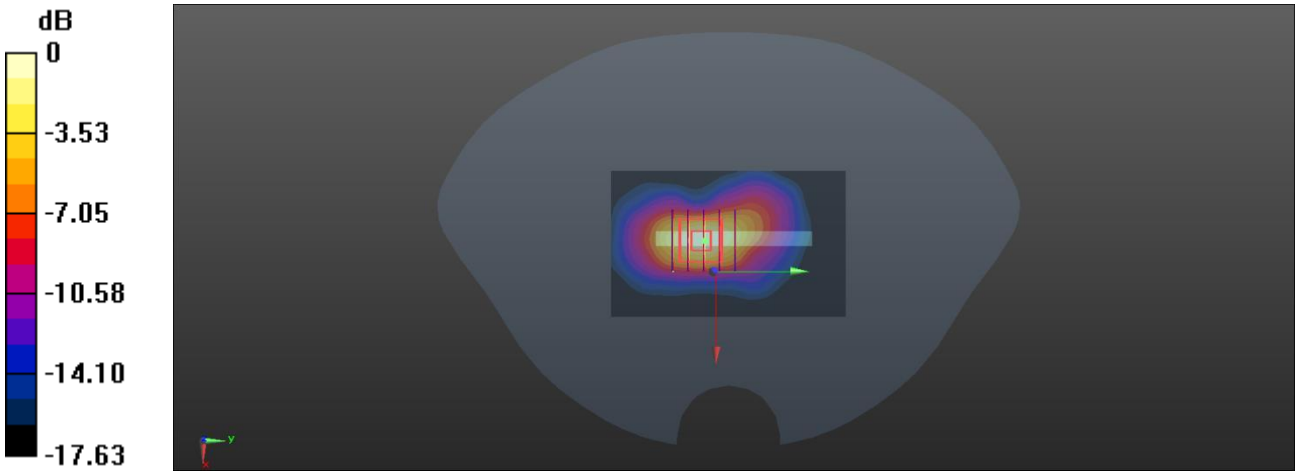
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.59 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.329 W/kg

Maximum value of SAR (measured) = 0.751 W/kg



0 dB = 0.751 W/kg

Meas.26 Body Plane with Top Edge 0mm on Middle Channel in LTE Band4 mode with Antenna 1

Date: 2024.03.03

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

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.348 S/m; ε_r = 41.641; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.74 W/kg

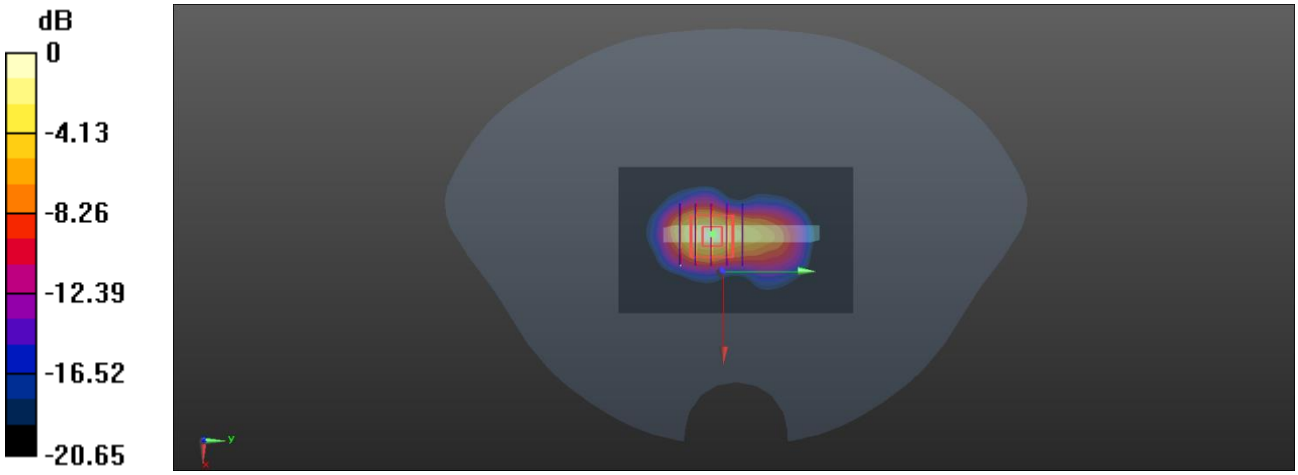
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.34 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 8.54 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.5 W/kg

Maximum value of SAR (measured) = 4.67 W/kg



0 dB = 4.67 W/kg

Meas.27 Right Head with Cheek on Middle Channel in LTE B5 mode with Antenna 1

Date: 2024.03.01

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

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.888 S/m; ε_r = 41.574; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.650 W/kg

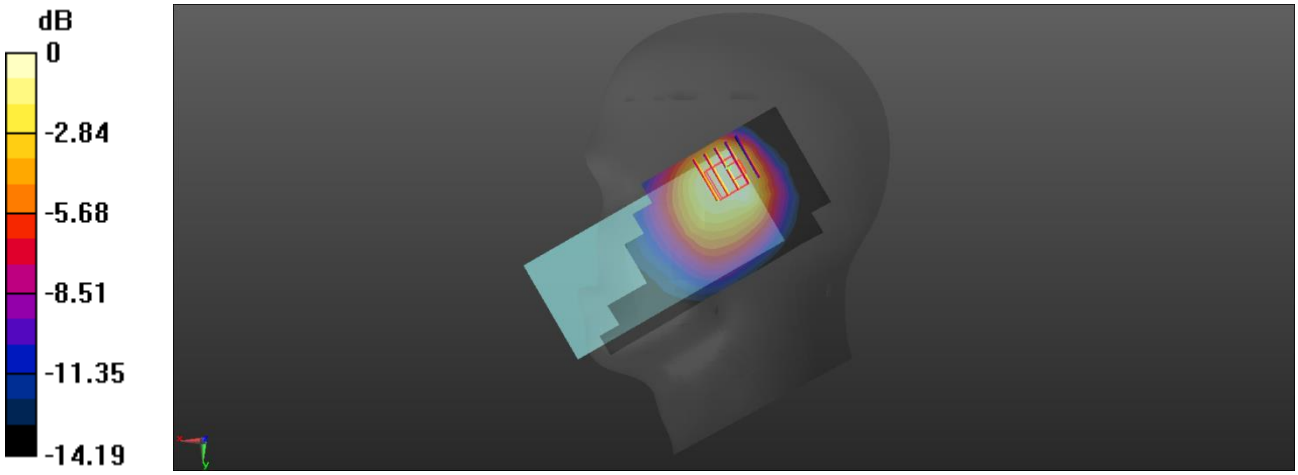
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.09 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.894 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 0.521 W/kg



0 dB = 0.521 W/kg

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

Date: 2024.03.01

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

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.888 S/m; ε_r = 41.574; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.216 W/kg

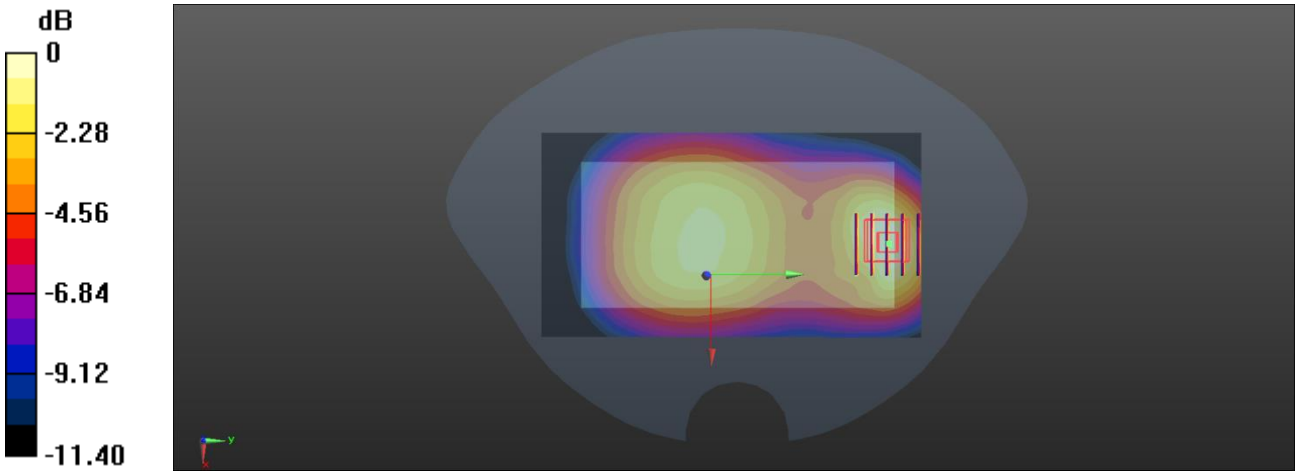
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.92 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg

Meas.29 Body Plane with Bottom Edge 10mm on Middle Channel in LTE Band5 mode with Antenna 0

Date: 2024.03.01

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

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.888 S/m; ε_r = 41.574; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.1℃ Liquid Temperature:21.1℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.35, 10.35, 10.35); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

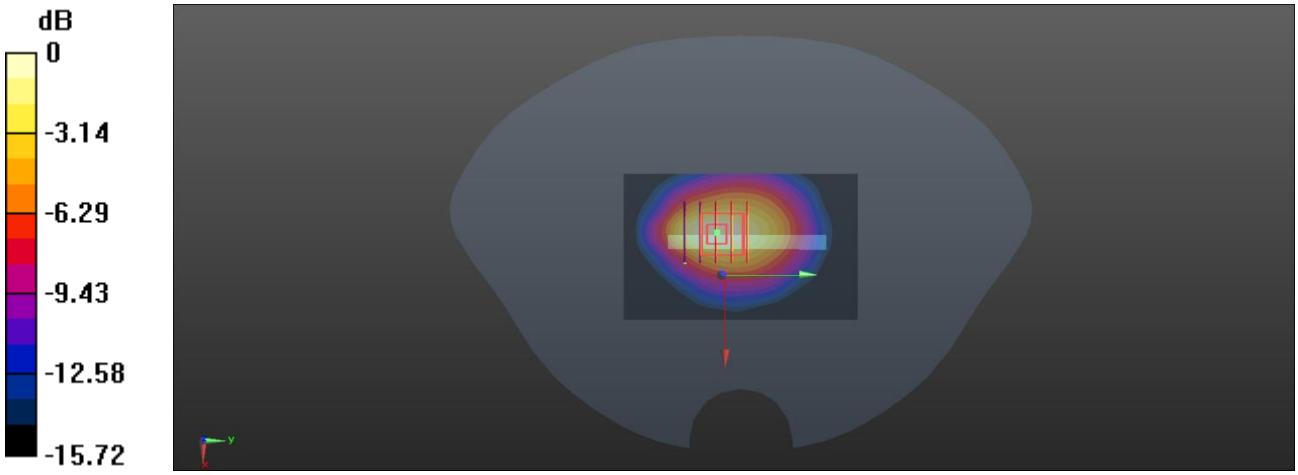
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.02 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.691 W/kg

SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.211 W/kg

Maximum value of SAR (measured) = 0.423 W/kg



0 dB = 0.423 W/kg

Meas.30 Right Head with Tilted on Middle Channel LTE Band7 mode with Antenna 1

Date: 2024.03.08

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

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.912 S/m; ε_r = 39.665; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.6℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.368 W/kg

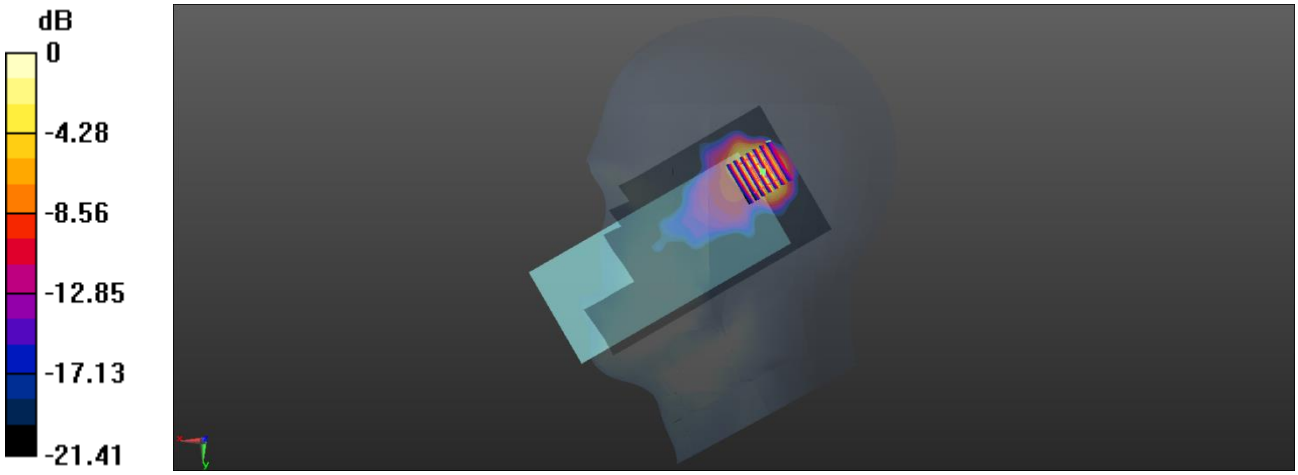
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.411 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.718 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.125 W/kg

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



0 dB = 0.363 W/kg

Meas.31 Body Plane with Back Side 15mm on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2024.03.08

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

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.912 S/m; ε_r = 39.665; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.185 W/kg

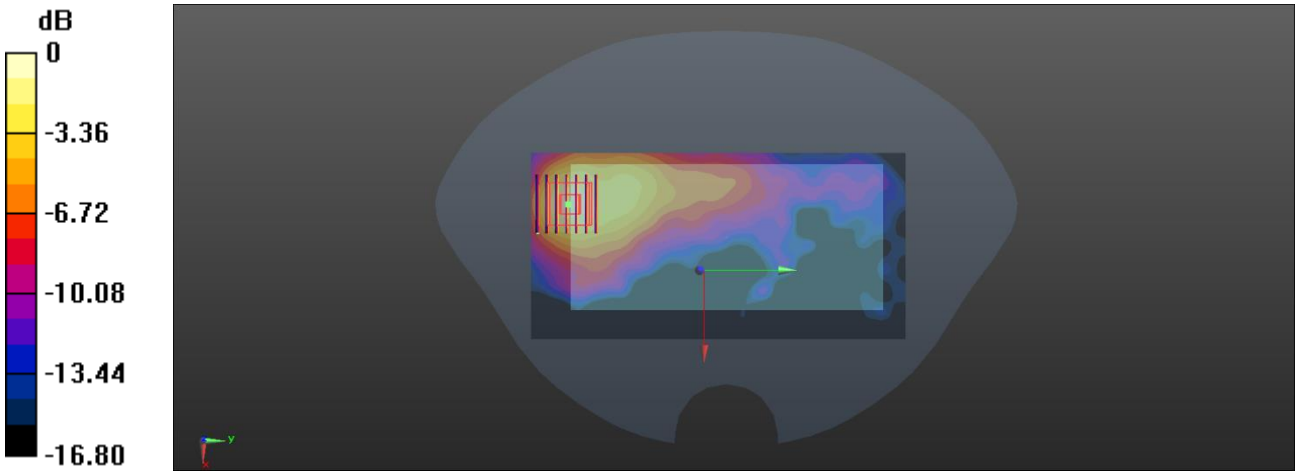
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.583 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.328 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg

Meas.32 Body Plane with Top Edge 10mm on Middle Channel in LTE Band7 mode with Antenna 1

Date: 2024.03.08

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

Medium parameters used (interpolated): f = 2535 MHz; σ = 1.912 S/m; ε_r = 39.665; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.6℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21100/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.436 W/kg

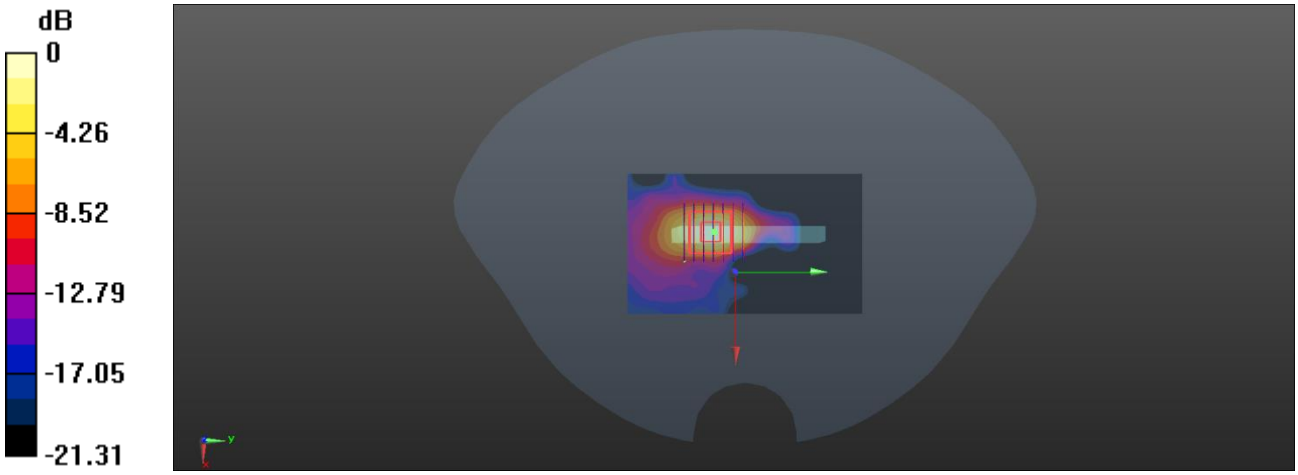
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.765 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.375 W/kg

Meas.33 Right Head with Cheek on Middle Channel in LTE Band13 mode with Antenna 1

Date: 2024.02.28

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.91 S/m; ε_r = 41.658; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230 2/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.571 W/kg

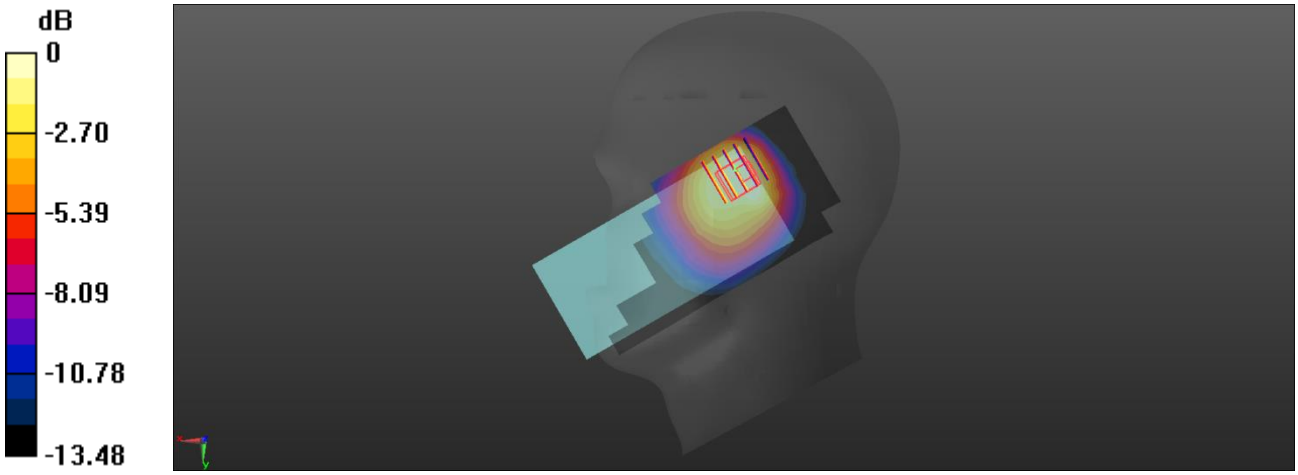
Ch23230 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.50 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.782 W/kg

SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.299 W/kg

Maximum value of SAR (measured) = 0.481 W/kg



0 dB = 0.481 W/kg

Meas.34 Body Plane with Back Side 15mm on Middle Channel in LTE Band13 mode with Antenna 0

Date: 2024.02.28

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.91 S/m; ε_r = 41.658; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

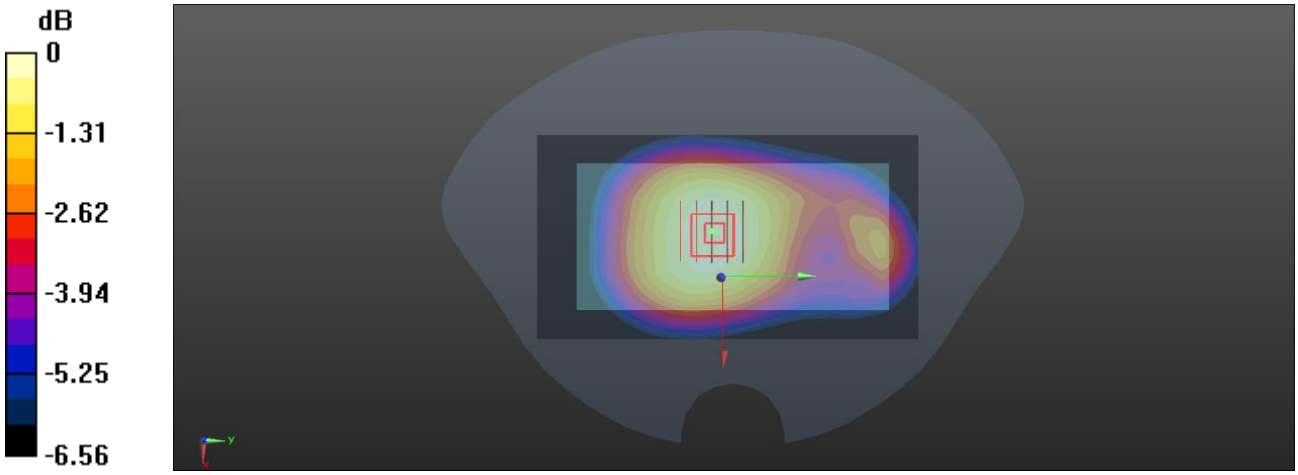
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.98 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg

Meas.35 Body Plane with Back Side 10mm on Middle Channel in LTE Band13 mode with Antenna 0

Date: 2024.02.28

Communication System Band: Band 13; Frequency: 782 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 782 MHz; σ = 0.91 S/m; ε_r = 41.658; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(10.54, 10.54, 10.54); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.170 W/kg

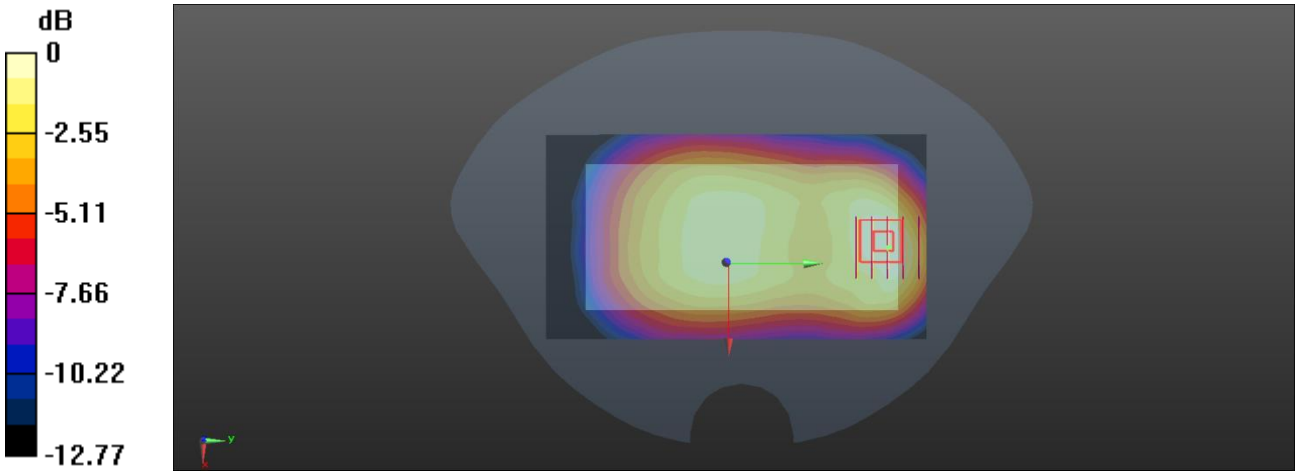
Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.75 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.234 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg

Meas.36 Right Head with Cheek on Middle Channel LTE Band66 mode with Antenna 1

Date: 2024.03.04

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.369 S/m; ε_r = 40.318; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.574 W/kg

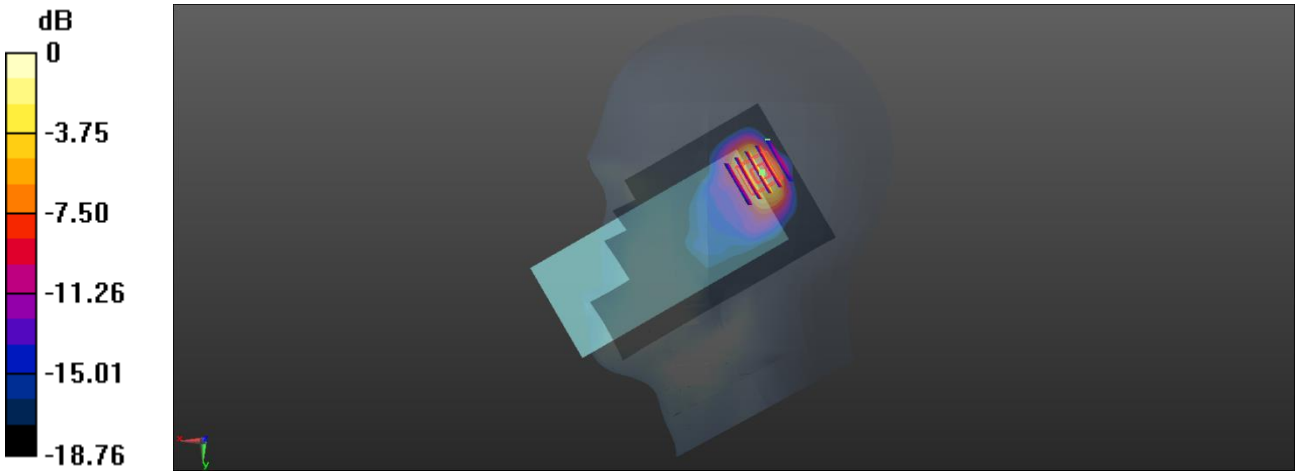
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.34 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.961 W/kg

SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.568 W/kg



0 dB = 0.568 W/kg

Meas.37 Body Plane with Back Side 15mm on Middle Channel in LTE Band66 mode with Antenna 0

Date: 2024.03.04

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

Medium parameters used (interpolated): f = 1745 MHz; σ = 1.369 S/m; ε_r = 40.318; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.160 W/kg

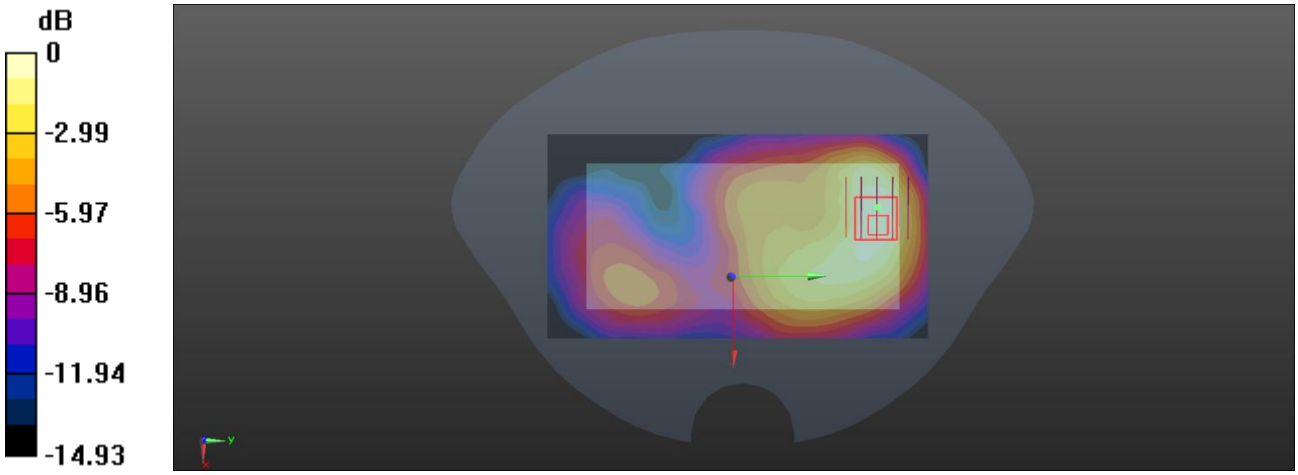
Ch132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.155 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.168 W/kg



0 dB = 0.168 W/kg

Meas.38 Body Plane with Top Edge 10mm on Low Channel in LTE Band66 mode with Antenna 1

Date: 2024.03.04

Communication System Band: Band 66; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.351 S/m; ε_r = 40.641; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132072/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.770 W/kg

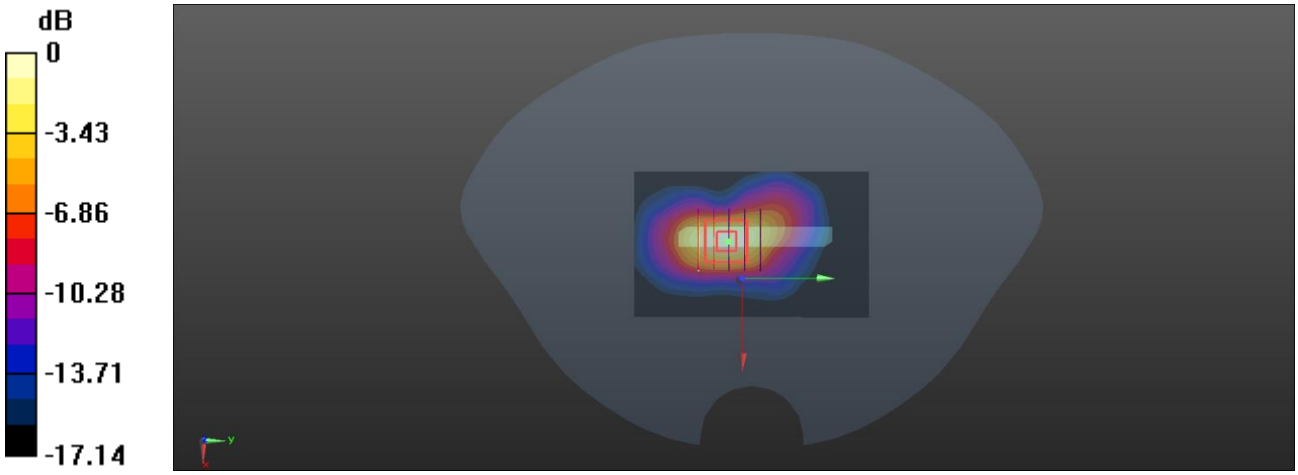
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.65 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.343 W/kg

Maximum value of SAR (measured) = 0.765 W/kg



0 dB = 0.765 W/kg

Meas.39 Body Plane with Top Edge 0mm on Low Channel in LTE Band66 mode with Antenna 1

Date: 2024.03.04

Communication System Band: Band 66; Frequency: 1720 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 1720 MHz; σ = 1.351 S/m; ε_r = 40.641; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(8.99, 8.99, 8.99); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132072/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.73 W/kg

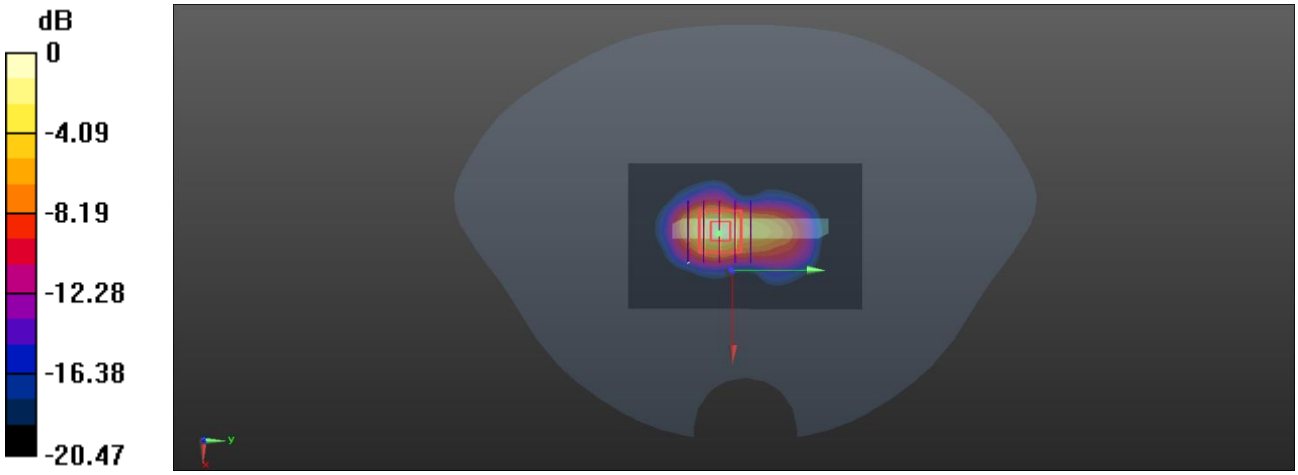
Ch132072/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.19 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 4.58 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 5.94 W/kg



0 dB = 5.94 W/kg

Meas.40 Right Head with Tilted on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2024.03.09

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

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.962 S/m; ε_r = 38.673; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.712 W/kg

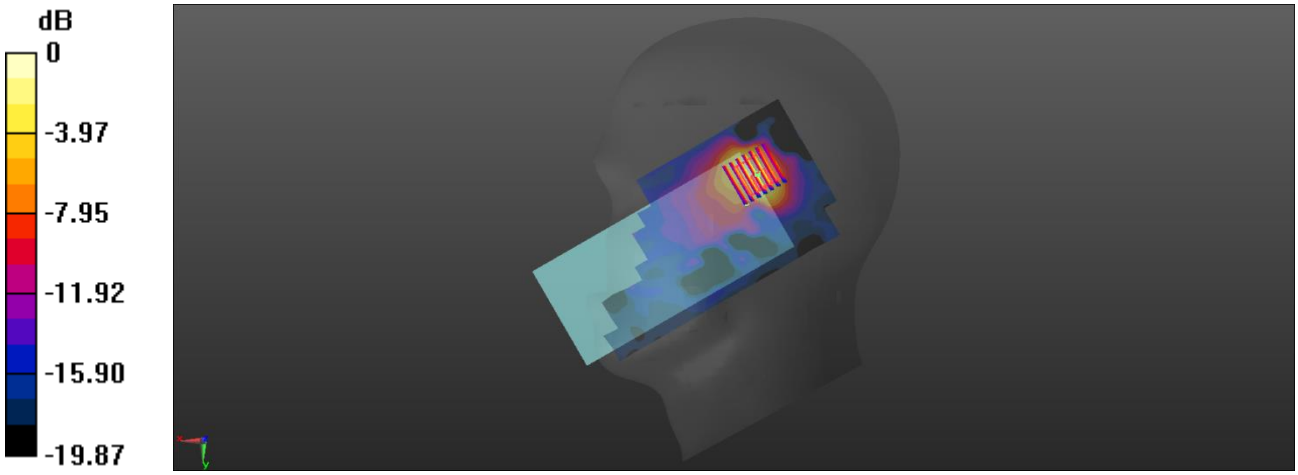
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.99 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.612 W/kg; SAR(10 g) = 0.271 W/kg

Maximum value of SAR (measured) = 0.686 W/kg



0 dB = 0.686 W/kg

Meas.41 Body Plane with Back Side 15mm on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2024.03.09

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

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.962 S/m; ε_r = 38.673; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.194 W/kg

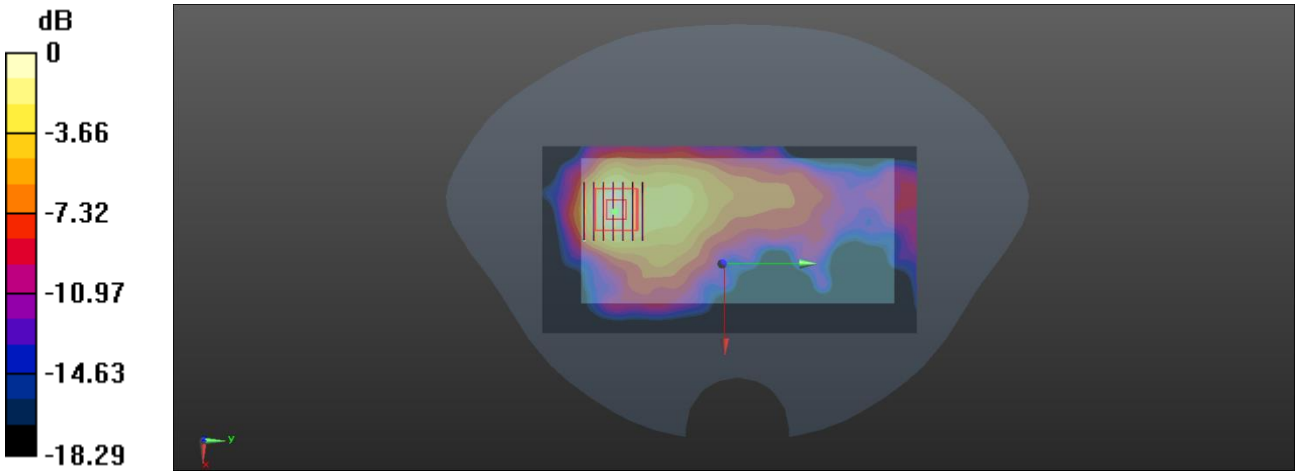
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.747 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.195 W/kg

Meas.42 Body Plane with Top Edge 10mm on Middle Channel in LTE Band38 mode with Antenna 1

Date: 2024.03.09

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

Medium parameters used (interpolated): f = 2595 MHz; σ = 1.962 S/m; ε_r = 38.673; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch38000/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.438 W/kg

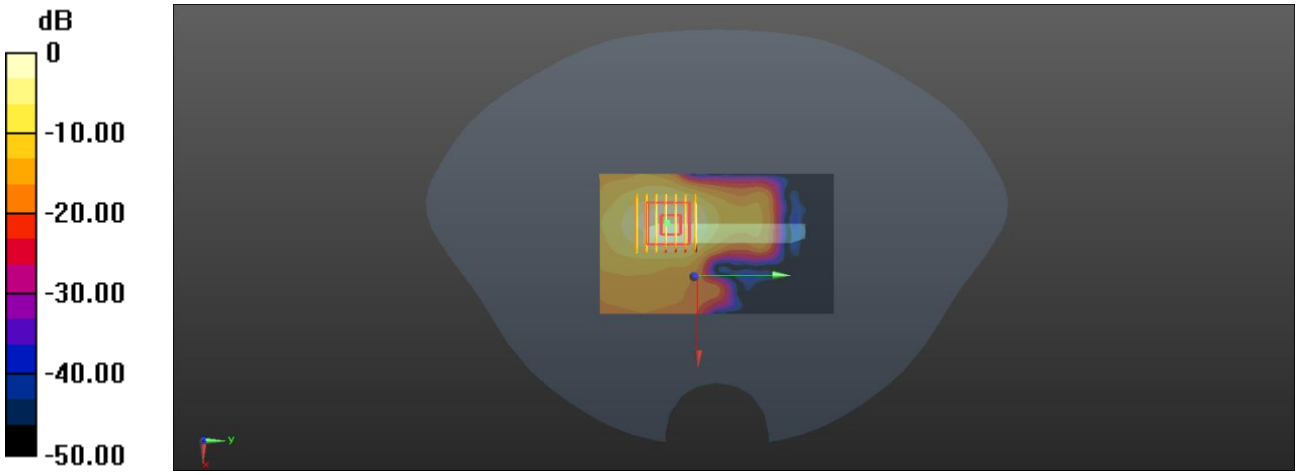
Ch38000/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.082 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.706 W/kg

SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.422 W/kg



0 dB = 0.422 W/kg

Meas.43 Right Head with Tilted on Middle Channel LTE Band41 mode with Antenna 1

Date: 2024.03.10

Communication System Band: Band41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2607.5 MHz; σ = 1.981 S/m; ε_r = 38.211; ρ = 1000 kg/m^3

Phantom section: Right Section

Ambient Temperature:22.7℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.388 W/kg

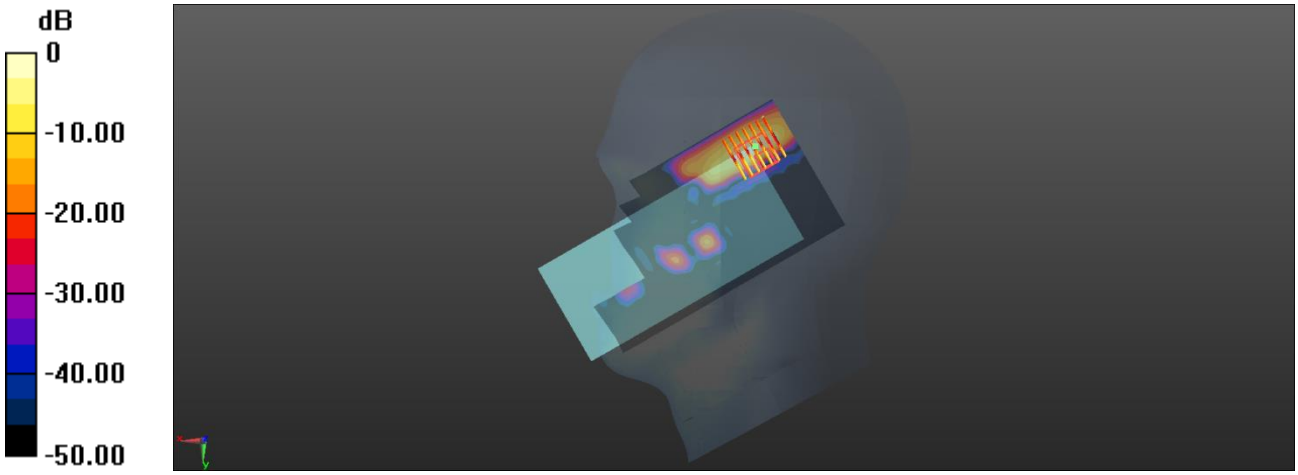
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.129 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.529 W/kg



0 dB = 0.529 W/kg

Meas.44 Body Plane with Back Side 15mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2024.03.10

Communication System Band: Band41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2607.5 MHz; σ = 1.981 S/m; ε_r = 38.211; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

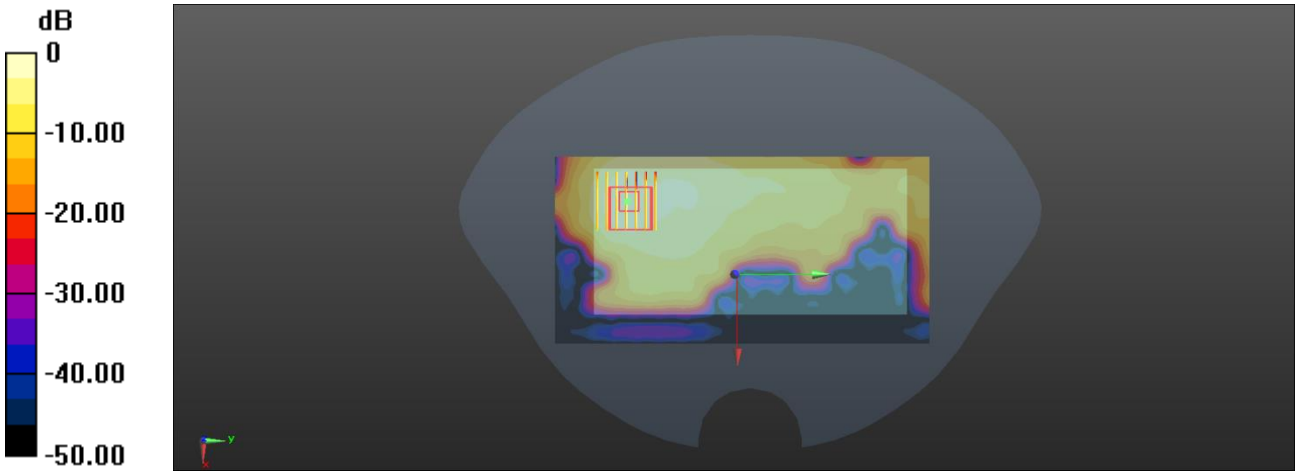
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.896 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.667 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.086 W/kg

Maximum value of SAR (measured) = 0.196 W/kg



0 dB = 0.196 W/kg

Meas.45 Body Plane with Top Edge 10mm on Middle Channel in LTE Band41 mode with Antenna 1

Date: 2024.03.10

Communication System Band: Band41; Frequency: 2607.5 MHz;Duty Cycle: 1:1.58

Medium parameters used (interpolated): f = 2607.5 MHz; σ = 1.981 S/m; ε_r = 38.211; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.7℃ Liquid Temperature:21.5℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.64, 7.64, 7.64); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40765/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.645 W/kg

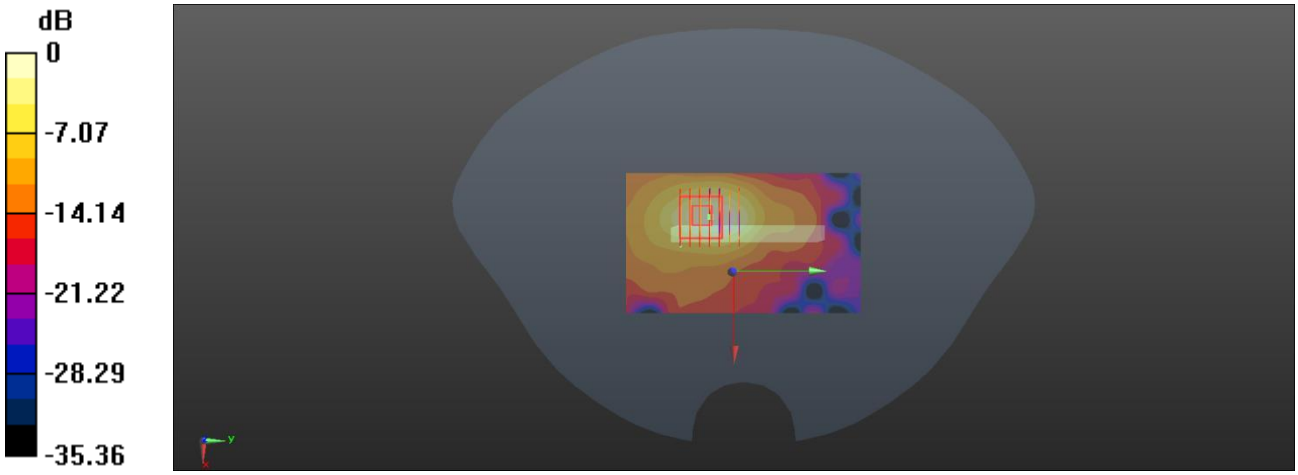
Ch40765/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.684 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.188 W/kg

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



0 dB = 0.604 W/kg

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

Date: 2024.03.07

Communication System Band: WLAN(g); Frequency: 2417 MHz;Duty Cycle: 1:1.003

Medium parameters used (interpolated): f = 2417 MHz; σ = 1.757 S/m; ε_r = 39.807; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch2/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

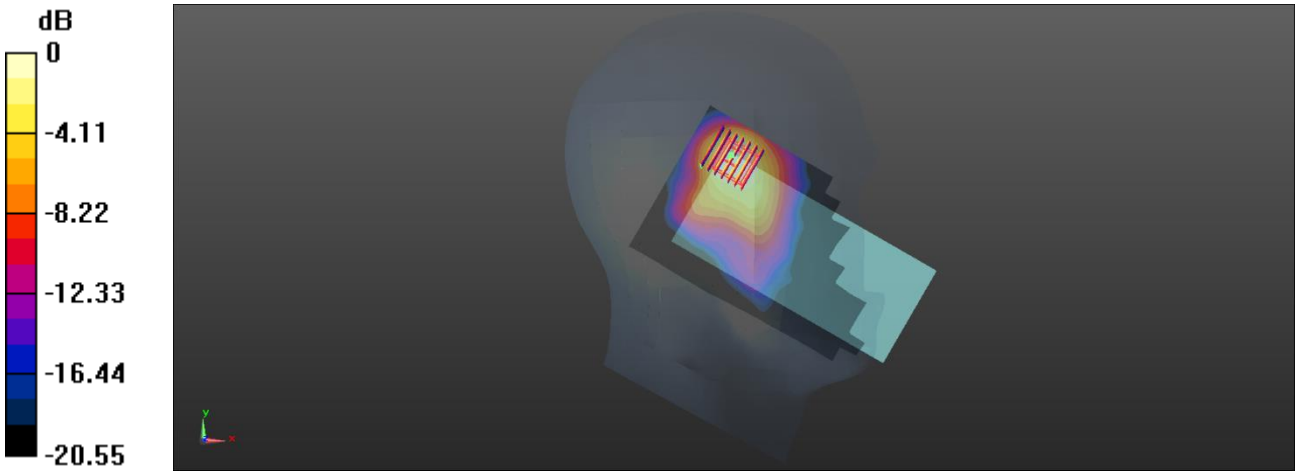
Ch2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.12 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.384 W/kg

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



0 dB = 0.838 W/kg

Meas.47 Body Plane with Back Side 15mm on 2 Channel in IEEE802.11g mode with Antenna 2

Date: 2024.03.07

Communication System Band: WLAN(g); Frequency: 2417 MHz;Duty Cycle: 1:1.003

Medium parameters used (interpolated): f = 2417 MHz; σ = 1.757 S/m; ε_r = 39.807; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch2/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.133 W/kg

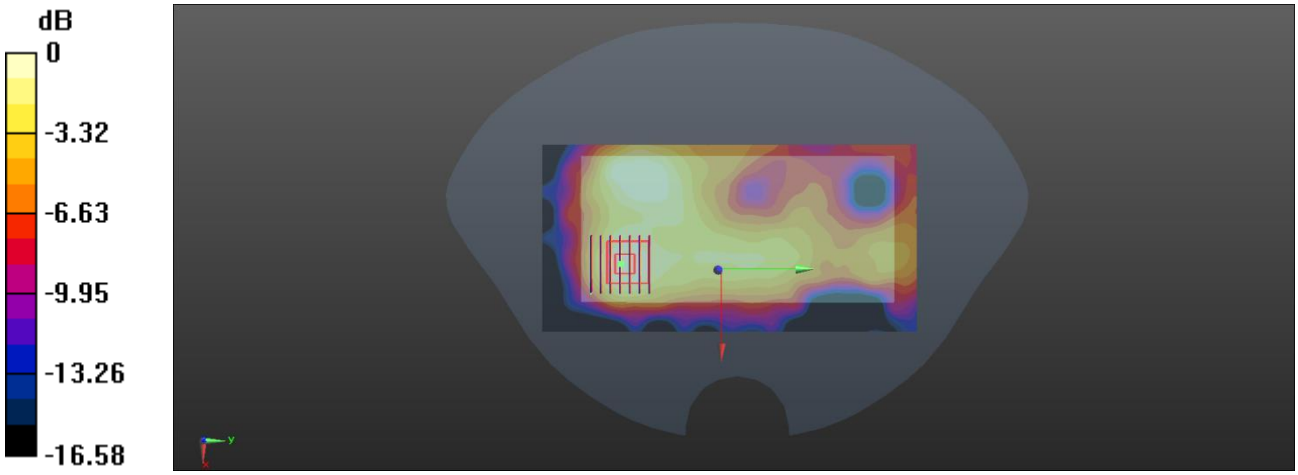
Ch2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.584 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.127 W/kg



0 dB = 0.127 W/kg

Meas.48 Body Plane with Back Side 10mm on 2 Channel in IEEE802.11g mode with Antenna 2

Date: 2024.03.07

Communication System Band: WLAN(g); Frequency: 2417 MHz;Duty Cycle: 1:1.003

Medium parameters used (interpolated): f = 2417 MHz; σ = 1.757 S/m; ε_r = 39.807; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch2/Area Scan (81x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.306 W/kg

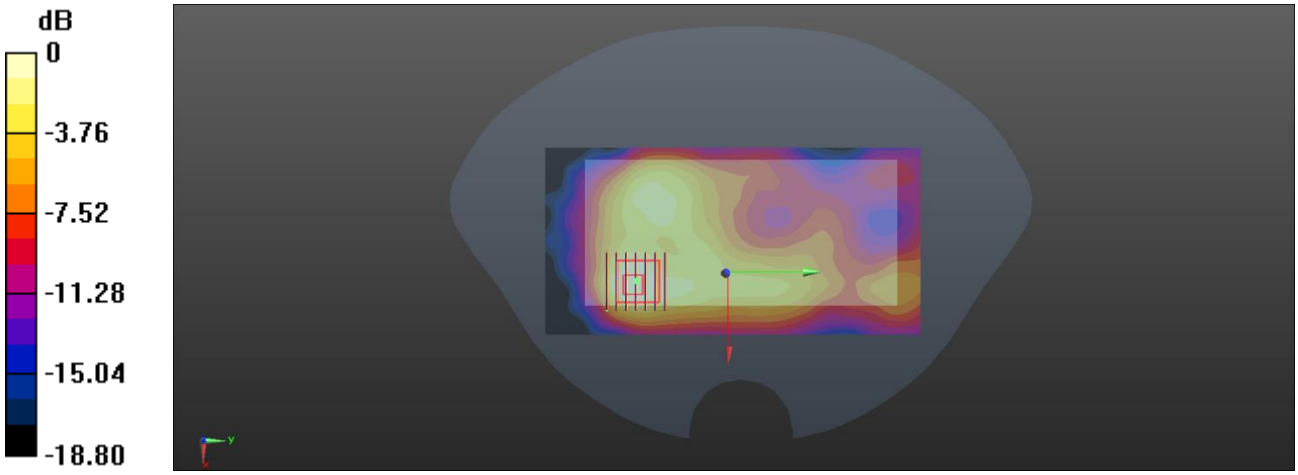
Ch2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.787 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.281 W/kg



0 dB = 0.281 W/kg

Meas.49 Left Head with Tilt on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.03.11

Communication System Band: WLAN(n40); Frequency: 5270 MHz;Duty Cycle: 1:1.29

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.748 S/m; ε_r = 35.708; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

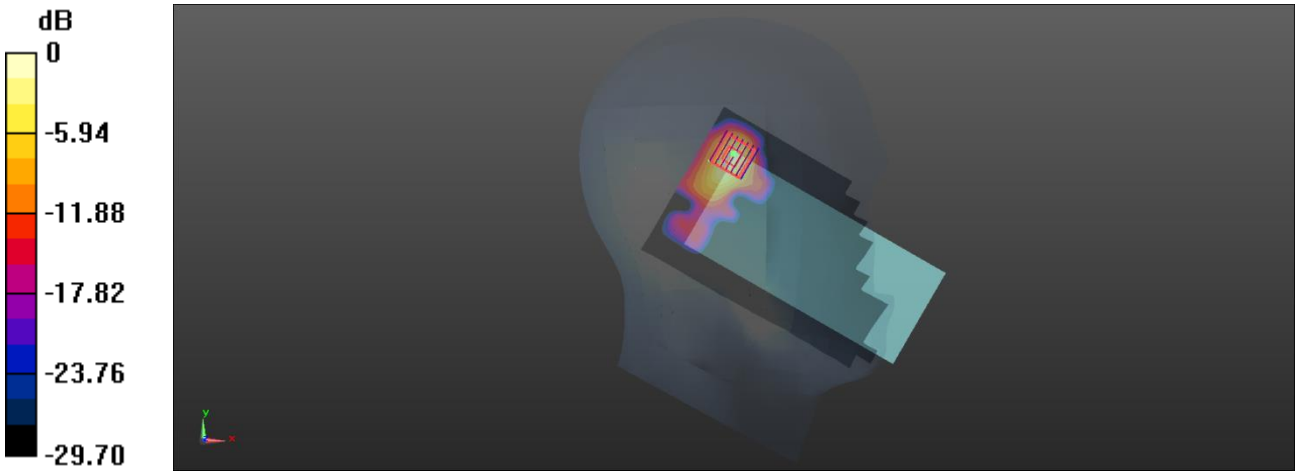
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.959 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 0.592 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg

Meas.50 Left Head with Tilt on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.03.12

Communication System Band: WLAN(ac80); Frequency: 5610 MHz;Duty Cycle: 1:1.61

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.075 S/m; ε_r = 35.001; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.5℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.99, 4.99, 4.99); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

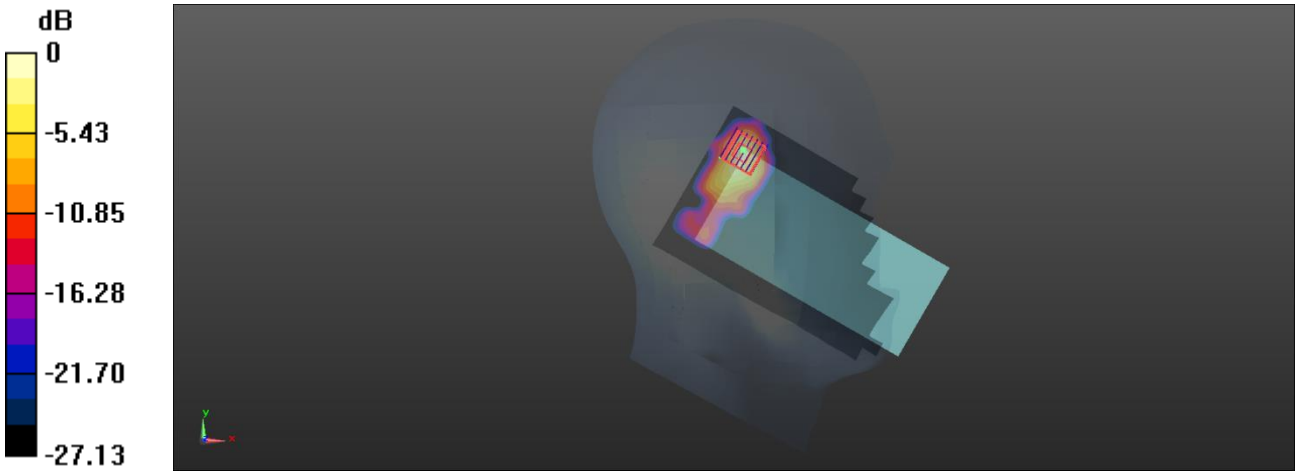
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.961 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.114 W/kg

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



0 dB = 0.973 W/kg

Meas.51 Left Head with Tilt on 159 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.03.13

Communication System Band: WLAN(n40); Frequency: 5795 MHz;Duty Cycle: 1:1.29

Medium parameters used (interpolated): f = 5795 MHz; σ = 5.262 S/m; ε_r = 34.844; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.4℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (111x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.724 W/kg

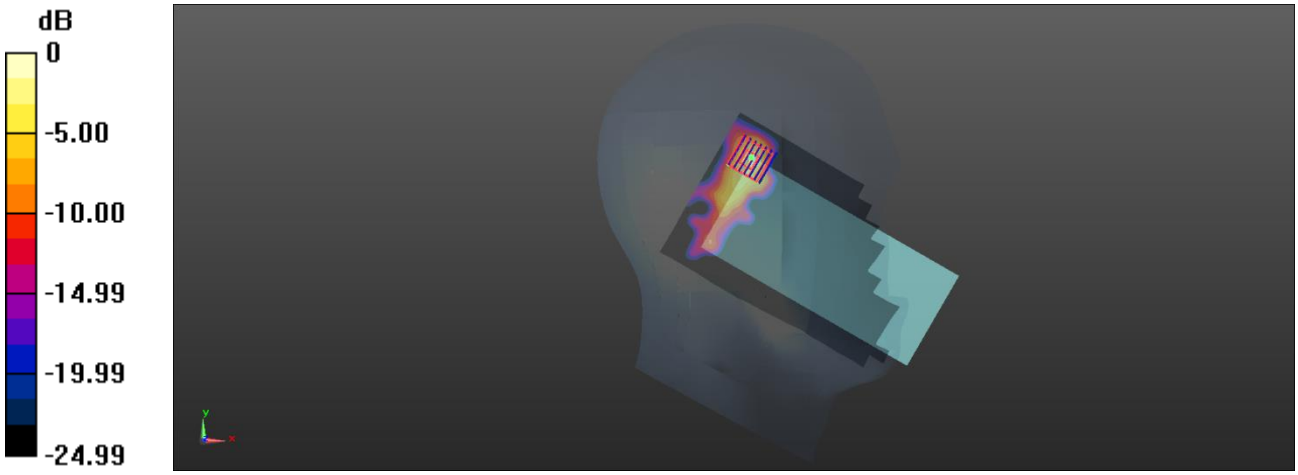
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.664 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.85 W/kg

SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 0.770 W/kg



0 dB = 0.770 W/kg

Meas.52 Body Plane with Back Side 15mm on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.03.11

Communication System Band: WLAN(n40); Frequency: 5270 MHz;Duty Cycle: 1:1.29

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.748 S/m; ε_r = 35.708; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.352 W/kg

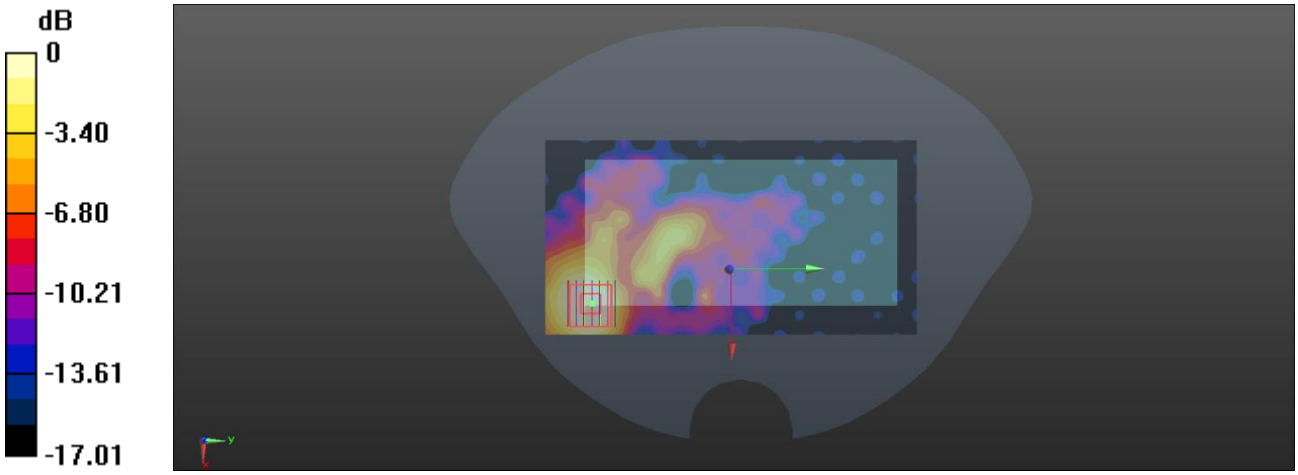
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.216 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.487 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.067 W/kg

Maximum value of SAR (measured) = 0.264 W/kg



0 dB = 0.264 W/kg

Meas.53 Body Plane with Back Side 15mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.03.12

Communication System Band: WLAN(ac80); Frequency: 5610 MHz;Duty Cycle: 1:1.61

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.075 S/m; ε_r = 35.001; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.99, 4.99, 4.99); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.180 W/kg

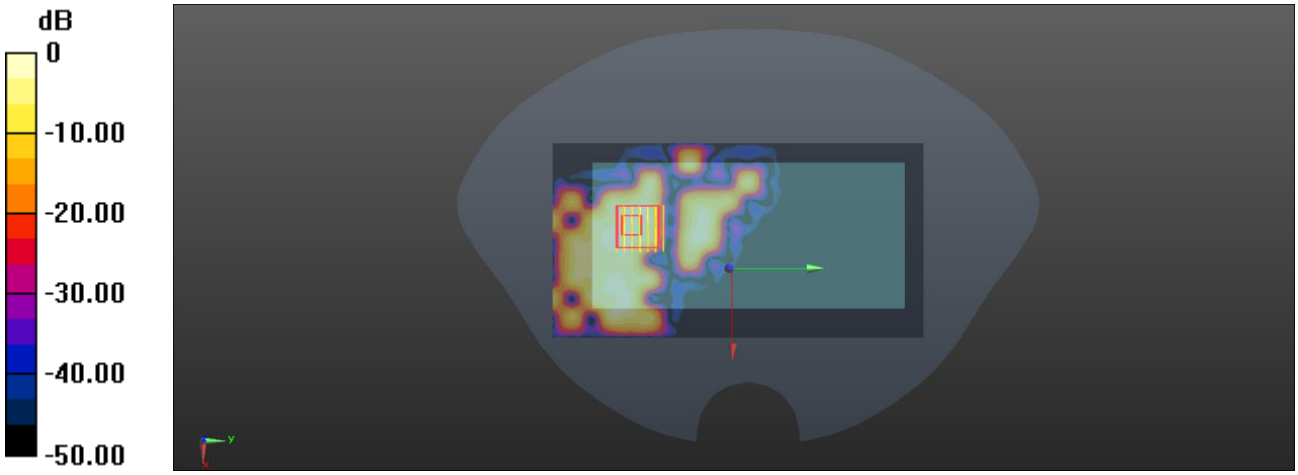
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.025 W/kg

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



0 dB = 0.149 W/kg

Meas.54 Body Plane with Back Side 15mm on 159 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.03.13

Communication System Band: WLAN(n40); Frequency: 5795 MHz;Duty Cycle: 1:1.29

Medium parameters used (interpolated): f = 5795 MHz; σ = 5.262 S/m; ε_r = 34.844; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.476 W/kg

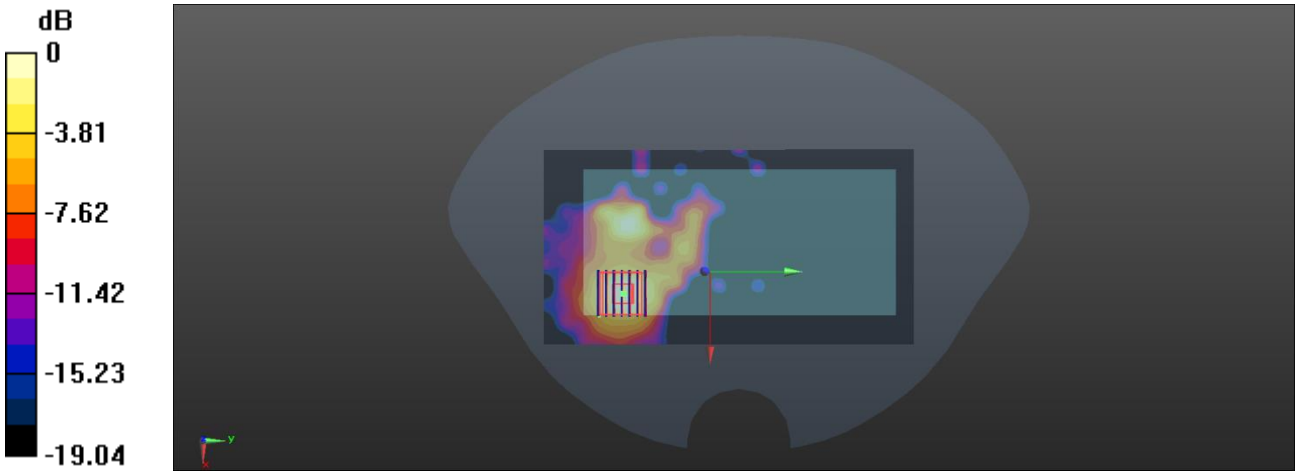
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.1040 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.467 W/kg



0 dB = 0.467 W/kg

Meas.55 Body Plane with Top Edge 10mm on 46 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.03.11

Communication System Band: WLAN(n40); Frequency: 5230 MHz;Duty Cycle: 1:1.29

Medium parameters used (interpolated): f = 5230 MHz; σ = 4.668 S/m; ε_r = 36.244; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch46/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.161 W/kg

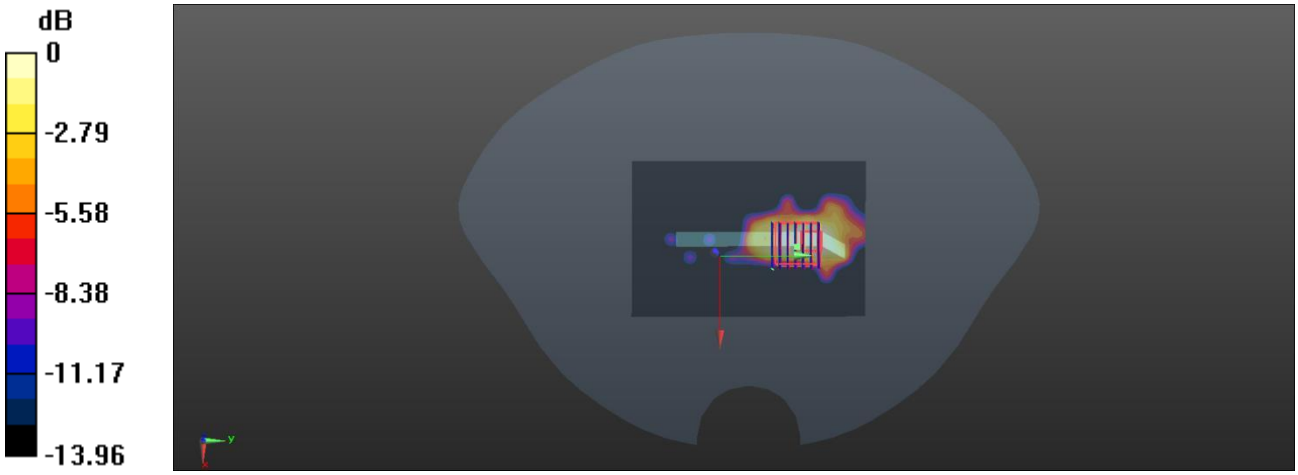
Ch46/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.549 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg

Meas.56 Body Plane with Top Edge 10mm on 159 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.03.13

Communication System Band: WLAN(n40); Frequency: 5795 MHz;Duty Cycle: 1:1.29

Medium parameters used (interpolated): f = 5795 MHz; σ = 5.262 S/m; ε_r = 34.844; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.4℃ Liquid Temperature:21.4℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.95, 4.95, 4.95); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

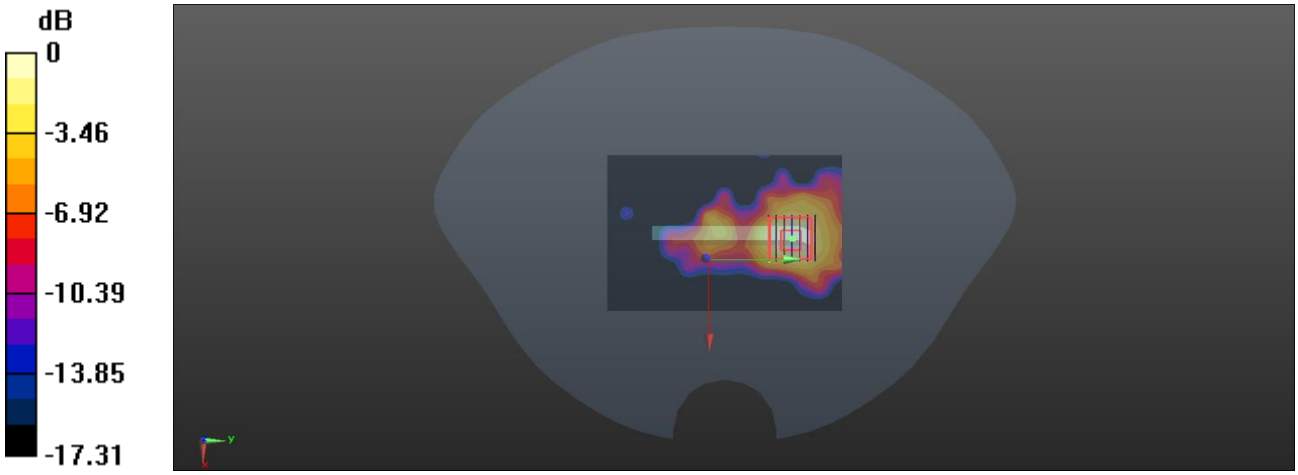
Ch159/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.341 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.079 W/kg

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



0 dB = 0.348 W/kg

Meas.57 Body Plane with Top Edge 0mm on 54 Channel in IEEE802.11n40 mode with Antenna 2

Date: 2024.03.11

Communication System Band: WLAN(n40); Frequency: 5270 MHz;Duty Cycle: 1:1.29

Medium parameters used (interpolated): f = 5270 MHz; σ = 4.748 S/m; ε_r = 35.708; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.6℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(5.48, 5.48, 5.48); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch54/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.78 W/kg

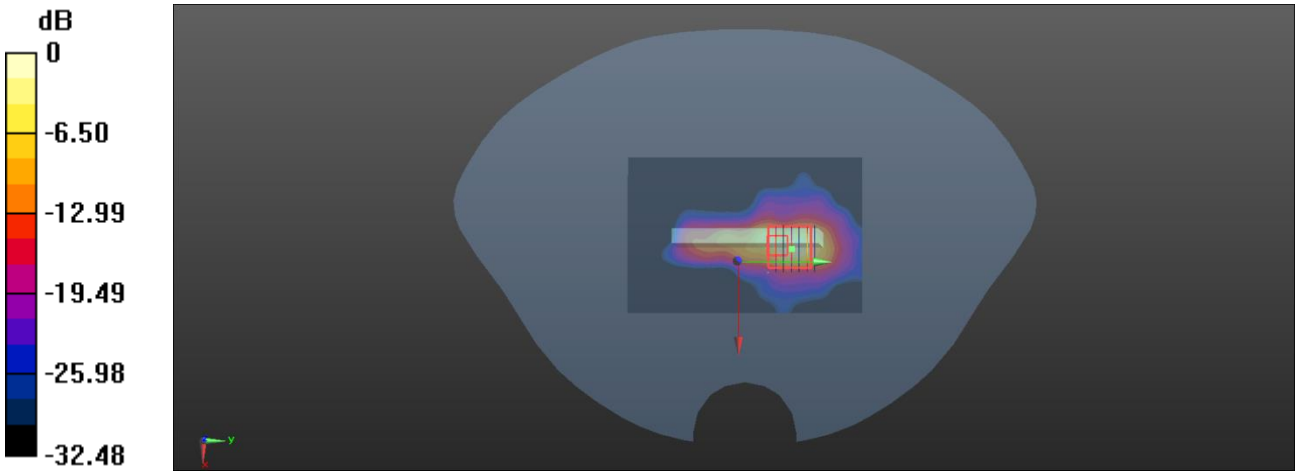
Ch54/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.769 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 21.1 W/kg

SAR(1 g) = 3.68 W/kg; SAR(10 g) = 0.908 W/kg

Maximum value of SAR (measured) = 8.71 W/kg



0 dB = 8.71 W/kg

Meas.58 Body Plane with Top Edge 0mm on 122 Channel in IEEE802.11ac80 mode with Antenna 2

Date: 2024.03.12

Communication System Band: WLAN(ac80); Frequency: 5610 MHz;Duty Cycle: 1:1.61

Medium parameters used (interpolated): f = 5610 MHz; σ = 5.075 S/m; ε_r = 35.001; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.5℃ Liquid Temperature:21.8℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(4.99, 4.99, 4.99); Calibrated: 2023.06.29;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch122/Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 6.05 W/kg

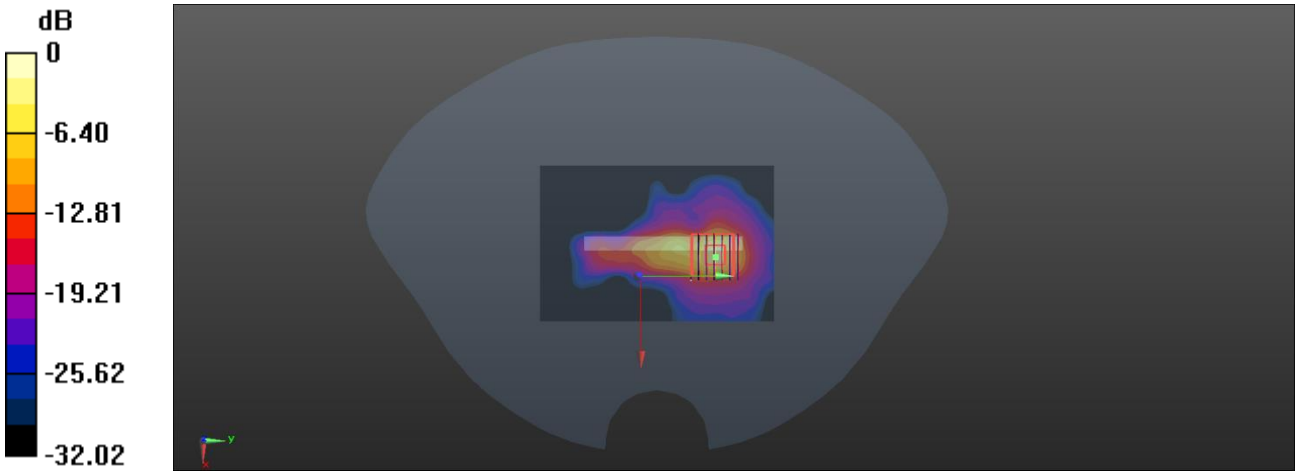
Ch122/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.06 V/m; Power Drift = -1.74 dB

Peak SAR (extrapolated) = 23.9 W/kg

SAR(1 g) = 3.58 W/kg; SAR(10 g) = 0.809 W/kg

Maximum value of SAR (measured) = 9.73 W/kg



0 dB = 9.73 W/kg

Meas.59 Left Head with Cheek on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.03.07

Communication System Band: BT; Frequency: 2480 MHz;Duty Cycle: 1:1.287

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.832 S/m; ε_r = 39.248; ρ = 1000 kg/m^3

Phantom section: Left Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch78/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.167 W/kg

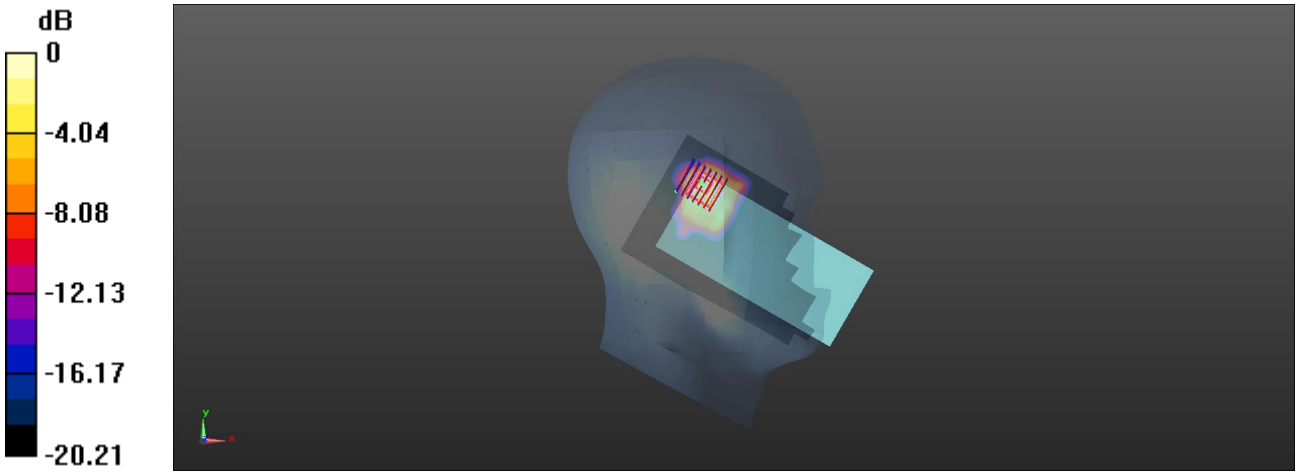
Configuration/Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.010 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.008 W/kg

Maximum value of SAR (measured) = 0.029 W/kg



0 dB = 0.029 W/kg

Meas.60 Body Plane with Back Side 15mm on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.03.07

Communication System Band: Bluetooth; Frequency: 2480 MHz;Duty Cycle: 1:1.287

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.832 S/m; ε_r = 39.248; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.0352 W/kg

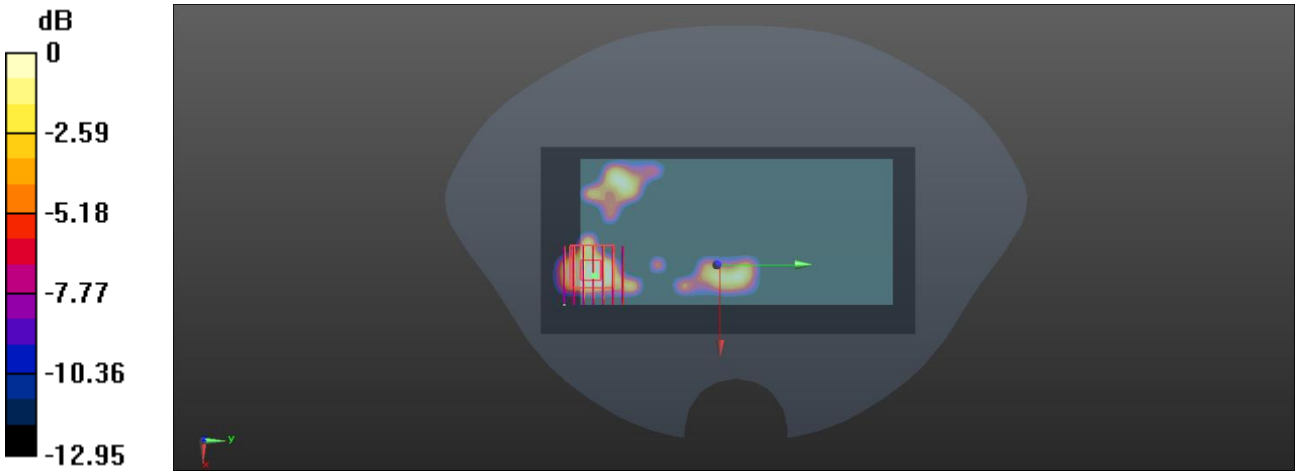
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.4910 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0180 W/kg

SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00599 W/kg

Maximum value of SAR (measured) = 0.0142 W/kg



0 dB = 0.0142 W/kg

Meas.61 Body Plane with Back Side 10mm on 78 Channel in Bluetooth mode with Antenna 2

Date: 2024.03.07

Communication System Band: Bluetooth; Frequency: 2480 MHz;Duty Cycle: 1:1.287

Medium parameters used (interpolated): f = 2480 MHz; σ = 1.832 S/m; ε_r = 39.248; ρ = 1000 kg/m^3

Phantom section: Flat Section

Ambient Temperature:22.3℃ Liquid Temperature:21.3℃

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98); Calibrated: 2023.06.29;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1710; Calibrated: 2024.01.03
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1576
- 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) = 0.0581 W/kg

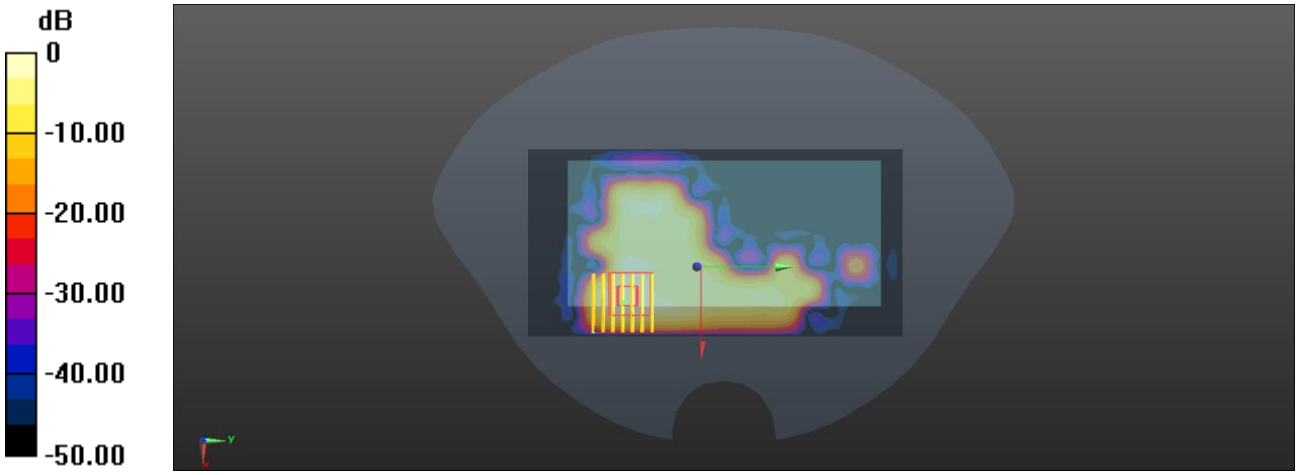
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.8840 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0500 W/kg

SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.0362 W/kg



0 dB = 0.0362 W/kg

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2420300-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2420300-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2420300-AC.pdf”.

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